

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G3083S6-27-36DC (10-OD-27WN-AA, P1)

报告编号:

电压(V): 35.8000

测试编号: 202104070013

电流(A): 0.7210

光源规格型号: OD

功率(W): 25.8000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 27

镇流器型号:

发光面长度(mm): 960

发光面宽度(mm): 45

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): 2457.23

灯具效能(lm/w): 95.24

中心光强(cd): 21263.990

最大光强(cd): 21509.550

最大光强角度: C=90.0  $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=13.6

[C90/270]Total=13.1

光束扩散角(10%Imax): [C0/180]Total=30.3

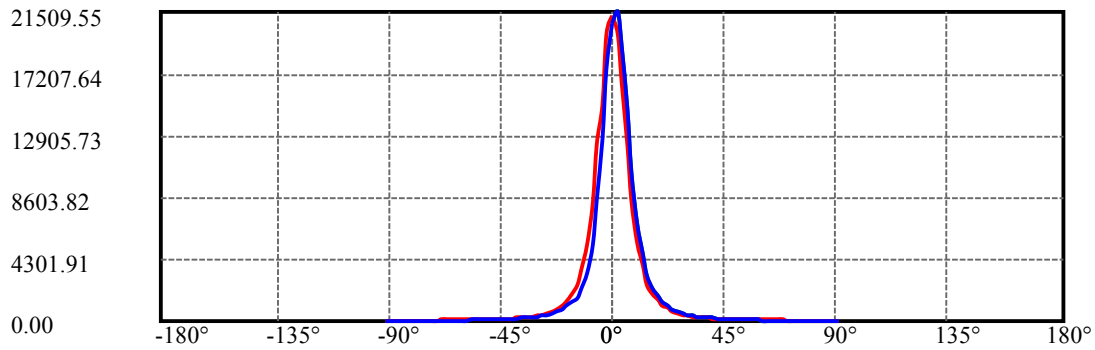
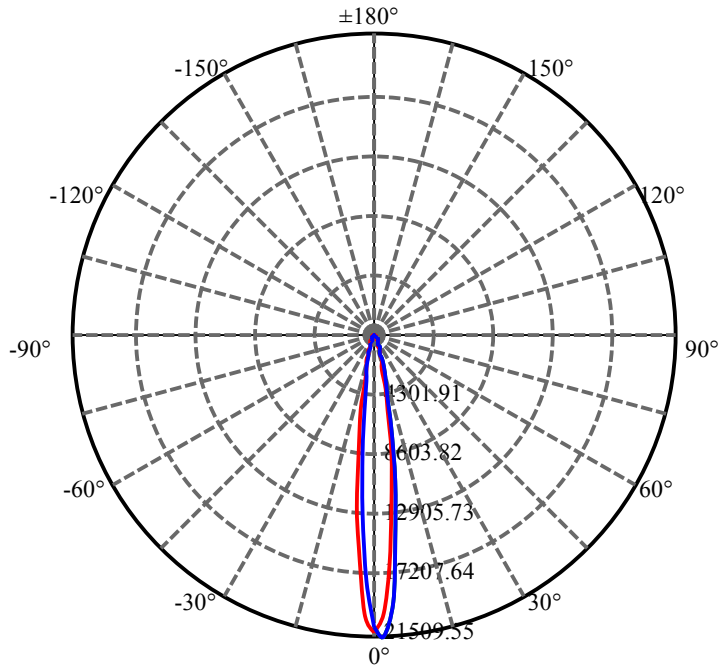
[C90/270]Total=29.6

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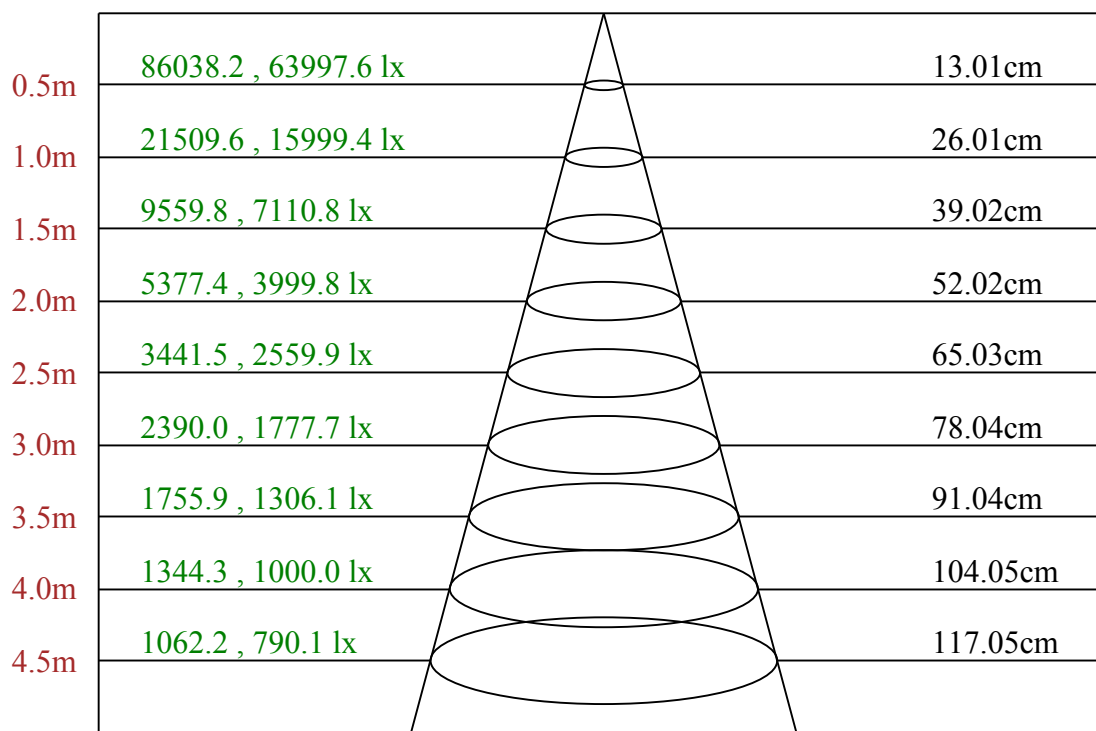
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/7  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

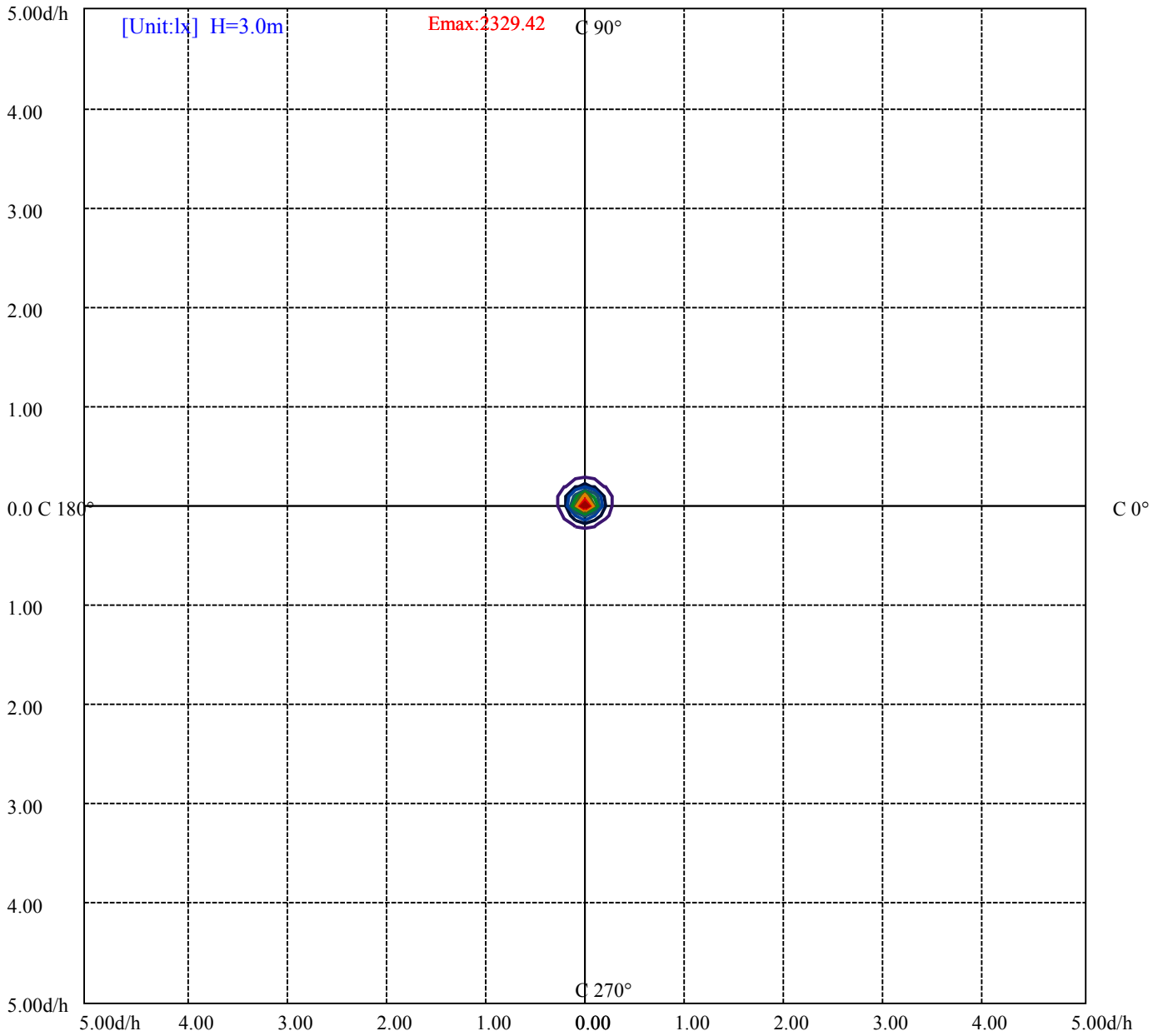


C90(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C90面光束角14.81

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 232.9411
- (20%Emax) 465.8834
- (30%Emax) 698.8245
- (40%Emax) 931.7655
- (50%Emax) 1164.711
- (60%Emax) 1397.644
- (70%Emax) 1630.589
- (80%Emax) 1863.533
- (90%Emax) 2096.478

# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

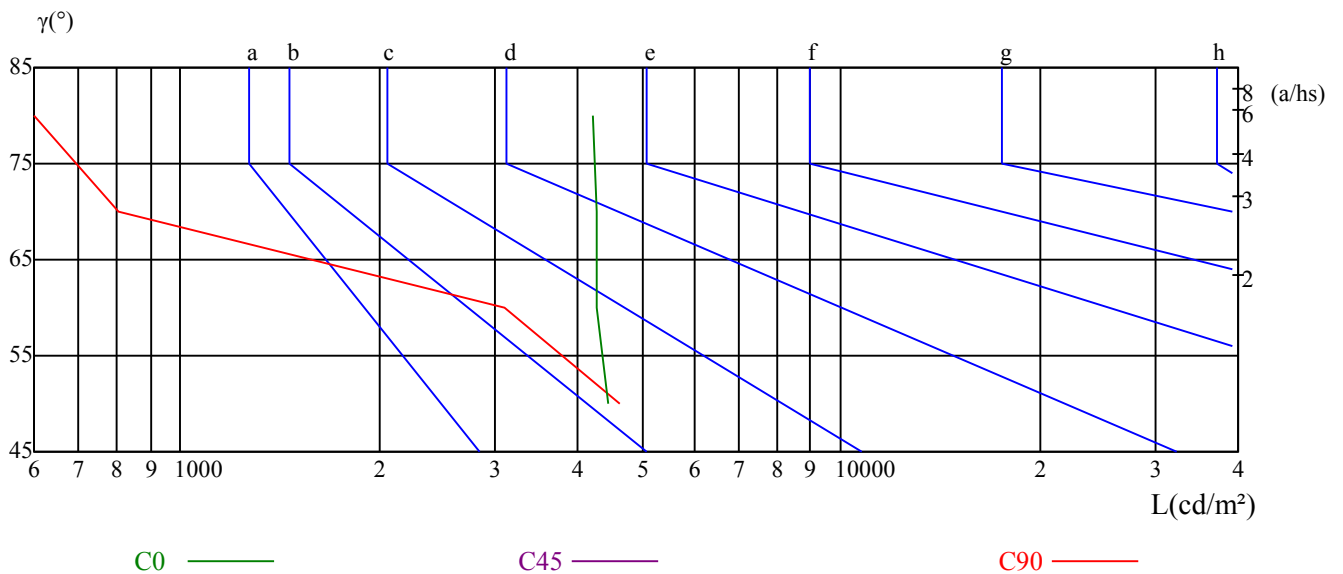
| $\gamma$ | 45 | 50   | 55 | 60   | 65 | 70   | 75 | 80   | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0       | 0  | 4435 | 0  | 4281 | 0  | 4269 | 0  | 4204 | 0  |
| C45      | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  |
| C90      | 0  | 4626 | 0  | 3091 | 0  | 805  | 0  | 246  | 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



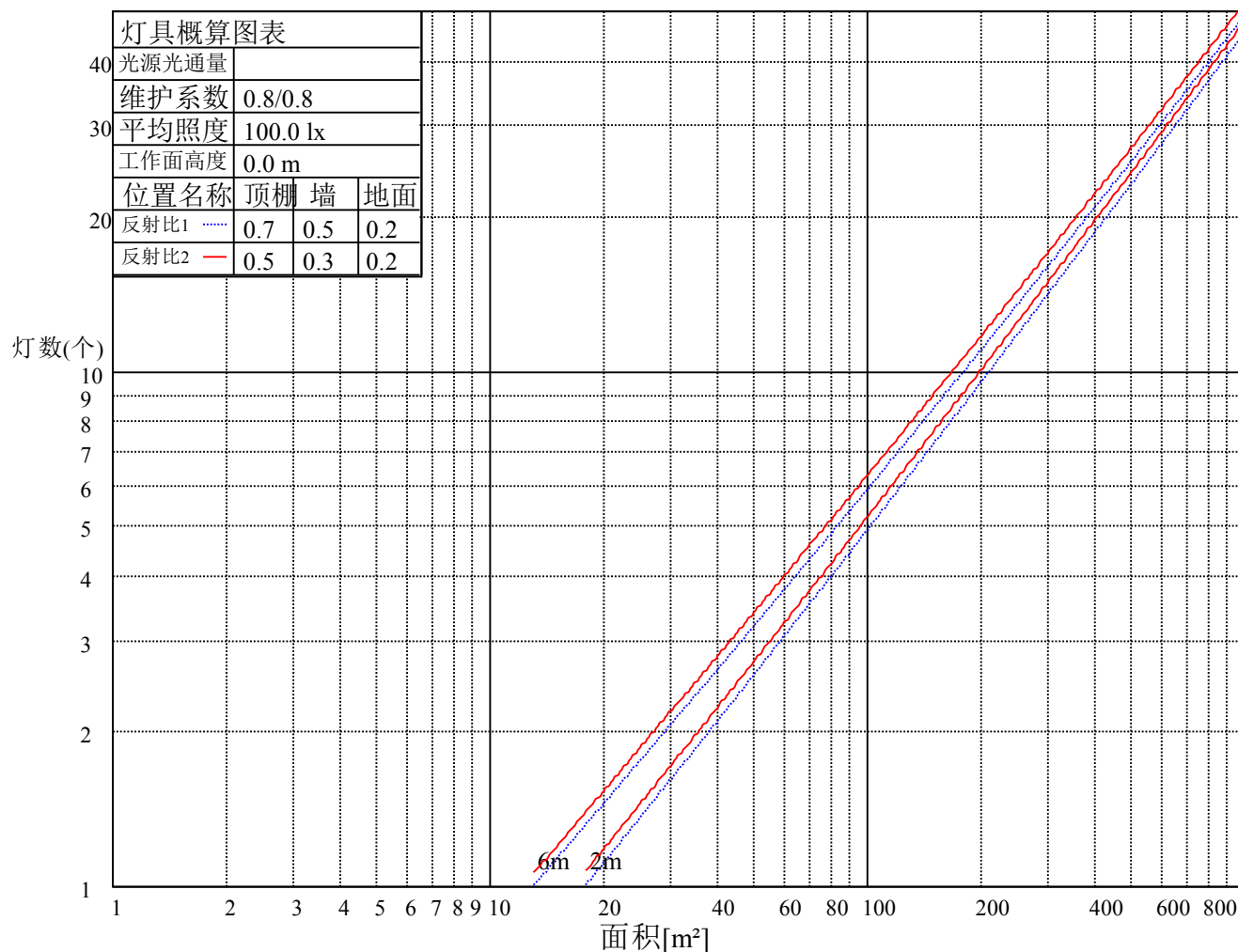
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/7  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

| 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  | 8.75             | 9.80  | 9.12  | 10.11 | 10.43 | 10.10          | 11.15 | 10.47 | 11.46 | 11.78 |
|                 | 3H  | 8.92             | 9.85  | 9.30  | 10.18 | 10.55 | 12.01          | 12.93 | 12.39 | 13.26 | 13.63 |
|                 | 4H  | 8.85             | 9.70  | 9.25  | 10.06 | 10.45 | 12.69          | 13.55 | 13.10 | 13.90 | 14.29 |
|                 | 6H  | 8.75             | 9.54  | 9.17  | 9.91  | 10.31 | 13.20          | 13.99 | 13.62 | 14.36 | 14.76 |
|                 | 8H  | 8.70             | 9.44  | 9.13  | 9.83  | 10.24 | 13.38          | 14.12 | 13.82 | 14.51 | 14.92 |
|                 | 12H | 8.65             | 9.35  | 9.08  | 9.74  | 10.17 | 13.62          | 14.32 | 14.05 | 14.71 | 15.14 |
| 4H              | 2H  | 9.30             | 10.16 | 9.71  | 10.51 | 10.90 | 10.40          | 11.26 | 10.81 | 11.61 | 12.00 |
|                 | 3H  | 9.51             | 10.21 | 9.92  | 10.62 | 11.02 | 12.54          | 13.24 | 12.95 | 13.65 | 14.05 |
|                 | 4H  | 9.42             | 10.05 | 9.86  | 10.47 | 10.92 | 13.28          | 13.90 | 13.71 | 14.33 | 14.77 |
|                 | 6H  | 9.33             | 9.86  | 9.80  | 10.31 | 10.79 | 13.76          | 14.29 | 14.23 | 14.74 | 15.22 |
|                 | 8H  | 9.26             | 9.76  | 9.74  | 10.21 | 10.69 | 13.96          | 14.46 | 14.43 | 14.91 | 15.38 |
|                 | 12H | 9.21             | 9.64  | 9.70  | 10.13 | 10.60 | 14.20          | 14.63 | 14.69 | 15.12 | 15.60 |
| 8H              | 4H  | 9.62             | 10.12 | 10.09 | 10.57 | 11.04 | 13.18          | 13.68 | 13.66 | 14.13 | 14.60 |
|                 | 6H  | 9.52             | 9.91  | 10.03 | 10.42 | 10.90 | 13.67          | 14.06 | 14.17 | 14.56 | 15.05 |
|                 | 8H  | 9.46             | 9.81  | 9.99  | 10.33 | 10.83 | 13.89          | 14.24 | 14.42 | 14.76 | 15.26 |
|                 | 12H | 10.11            | 10.41 | 10.63 | 10.91 | 11.49 | 14.73          | 15.04 | 15.25 | 15.53 | 16.11 |
| 12H             | 4H  | 9.59             | 10.02 | 10.08 | 10.51 | 10.99 | 13.12          | 13.55 | 13.61 | 14.04 | 14.52 |
|                 | 6H  | 9.80             | 9.84  | 10.02 | 10.31 | 10.86 | 13.91          | 13.95 | 14.14 | 14.42 | 14.97 |
|                 | 8H  | 9.44             | 9.74  | 9.96  | 10.24 | 10.82 | 13.84          | 14.14 | 14.36 | 14.64 | 15.22 |
| 对应照射距离，改变观察者位置S |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H        |     | 0.7/-0.8         |       |       |       |       | 0.3/-0.6       |       |       |       |       |
| S = 1.5H        |     | 1.3/-2.1         |       |       |       |       | 0.9/-0.8       |       |       |       |       |
| S = 2.0H        |     | 3.9/-4.2         |       |       |       |       | 1.1/-0.9       |       |       |       |       |
| 标准表格            |     | BK2              |       |       |       |       | BK2            |       |       |       |       |
| 更正系数            |     | -4.0             |       |       |       |       | -1.8           |       |       |       |       |

# 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 | 1.04 | 1.03 | 1.02 | 1.01 | 1.00 | 0.99 | 0.98 | 0.97 | 0.95 |
| 2     | 1.05                                    | 1.02 | 0.99 | 1.04 | 1.01 | 0.98 | 1.01 | 0.98 | 0.96 | 0.98 | 0.96 | 0.94 | 0.95 | 0.93 | 0.92 | 0.90 |
| 3     | 1.00                                    | 0.96 | 0.92 | 0.99 | 0.95 | 0.92 | 0.96 | 0.93 | 0.90 | 0.94 | 0.91 | 0.89 | 0.92 | 0.89 | 0.88 | 0.86 |
| 4     | 0.95                                    | 0.91 | 0.87 | 0.94 | 0.90 | 0.87 | 0.92 | 0.89 | 0.86 | 0.90 | 0.87 | 0.85 | 0.89 | 0.86 | 0.84 | 0.83 |
| 5     | 0.91                                    | 0.87 | 0.83 | 0.90 | 0.86 | 0.83 | 0.89 | 0.85 | 0.82 | 0.87 | 0.84 | 0.81 | 0.86 | 0.83 | 0.81 | 0.79 |
| 6     | 0.88                                    | 0.83 | 0.80 | 0.87 | 0.83 | 0.79 | 0.86 | 0.82 | 0.79 | 0.84 | 0.81 | 0.78 | 0.83 | 0.80 | 0.78 | 0.77 |
| 7     | 0.85                                    | 0.80 | 0.77 | 0.84 | 0.80 | 0.77 | 0.83 | 0.79 | 0.76 | 0.82 | 0.78 | 0.76 | 0.81 | 0.78 | 0.76 | 0.74 |
| 8     | 0.82                                    | 0.78 | 0.74 | 0.82 | 0.77 | 0.74 | 0.81 | 0.77 | 0.74 | 0.80 | 0.76 | 0.74 | 0.79 | 0.76 | 0.73 | 0.72 |
| 9     | 0.80                                    | 0.75 | 0.72 | 0.79 | 0.75 | 0.72 | 0.78 | 0.75 | 0.72 | 0.78 | 0.74 | 0.72 | 0.77 | 0.74 | 0.71 | 0.70 |
| 10    | 0.78                                    | 0.73 | 0.70 | 0.77 | 0.73 | 0.70 | 0.76 | 0.73 | 0.70 | 0.76 | 0.72 | 0.70 | 0.75 | 0.72 | 0.70 | 0.69 |



ROLED 地埋灯

光强数据表(cd)

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| C/γ(°) | 0.0      | 2.0      | 4.0      | 6.0      | 8.0      | 10.0    | 12.0    | 14.0    | 16.0    |
|--------|----------|----------|----------|----------|----------|---------|---------|---------|---------|
| 0.0    | 21263.99 | 19882.71 | 16536.95 | 12208.95 | 8471.83  | 5479.06 | 3890.60 | 2508.55 | 1857.05 |
| 30.0   | 20911.00 | 21018.43 | 18509.11 | 14388.30 | 10137.04 | 6821.97 | 4481.48 | 3133.96 | 2258.39 |
| 60.0   | 21018.43 | 21240.97 | 18501.44 | 14169.60 | 9964.38  | 6537.28 | 4362.53 | 3081.78 | 2257.62 |
| 90.0   | 20772.87 | 21509.55 | 19107.66 | 14756.64 | 10467.01 | 6852.67 | 4611.93 | 3200.73 | 2334.36 |
| 120.0  | 21133.54 | 21118.19 | 18163.79 | 13957.80 | 9563.04  | 6385.34 | 4252.03 | 2956.70 | 2204.67 |
| 150.0  | 21056.80 | 20964.71 | 18033.34 | 13981.59 | 9738.00  | 6515.02 | 4281.96 | 2952.86 | 2172.44 |
| 180.0  | 21263.99 | 19944.10 | 15154.91 | 12269.57 | 8280.75  | 5356.28 | 3608.97 | 2487.83 | 1814.84 |
| 210.0  | 20911.00 | 18225.18 | 13921.74 | 9854.64  | 6389.94  | 4163.78 | 2797.85 | 1985.97 | 1495.23 |
| 240.0  | 21018.43 | 18240.53 | 13728.36 | 9492.44  | 6069.94  | 3913.62 | 2558.43 | 1869.33 | 1403.53 |
| 270.0  | 20772.87 | 17496.17 | 12732.30 | 8444.97  | 5393.12  | 3398.71 | 2315.94 | 1592.31 | 1309.60 |
| 300.0  | 21133.54 | 18309.59 | 13797.42 | 9569.18  | 6108.31  | 3921.29 | 2607.54 | 1869.33 | 1403.53 |
| 330.0  | 21056.80 | 18524.46 | 14485.76 | 10171.57 | 6604.81  | 4295.00 | 2867.68 | 2025.11 | 1520.79 |
| 360.0  | 21263.99 | 19882.71 | 16536.95 | 12208.95 | 8471.83  | 5479.06 | 3890.60 | 2508.55 | 1857.05 |
| C/γ(°) | 18.0     | 20.0     | 22.0     | 24.0     | 26.0     | 28.0    | 30.0    | 32.0    | 34.0    |
| 0.0    | 1415.81  | 1103.49  | 874.04   | 692.94   | 562.49   | 449.68  | 387.52  | 315.85  | 270.35  |
| 30.0   | 1704.34  | 1320.65  | 1045.93  | 822.63   | 653.04   | 528.72  | 429.73  | 359.59  | 302.42  |
| 60.0   | 1747.32  | 1362.25  | 1063.20  | 838.36   | 670.53   | 535.32  | 435.72  | 363.51  | 305.95  |
| 90.0   | 1776.48  | 1396.62  | 1090.44  | 858.69   | 689.10   | 550.98  | 452.75  | 389.06  | 316.85  |
| 120.0  | 1613.02  | 1321.34  | 1047.54  | 828.00   | 656.11   | 530.87  | 432.19  | 356.98  | 300.27  |
| 150.0  | 1640.65  | 1272.31  | 995.29   | 793.47   | 630.02   | 511.07  | 415.92  | 345.70  | 294.75  |
| 180.0  | 1393.55  | 1093.89  | 857.62   | 689.33   | 552.28   | 448.38  | 374.33  | 313.93  | 267.51  |
| 210.0  | 1176.00  | 924.30   | 733.00   | 595.94   | 482.68   | 400.49  | 333.42  | 285.77  | 246.94  |
| 240.0  | 1093.51  | 875.58   | 696.01   | 560.18   | 457.36   | 388.29  | 322.30  | 278.63  | 241.49  |
| 270.0  | 1029.05  | 824.85   | 658.02   | 539.24   | 441.93   | 367.73  | 312.78  | 269.04  | 237.20  |
| 300.0  | 1108.09  | 878.65   | 697.54   | 567.86   | 464.26   | 389.83  | 323.22  | 278.63  | 241.11  |
| 330.0  | 1195.50  | 939.19   | 753.03   | 605.00   | 488.51   | 403.95  | 337.34  | 286.31  | 247.79  |
| 360.0  | 1415.81  | 1103.49  | 874.04   | 692.94   | 562.49   | 449.68  | 387.52  | 315.85  | 270.35  |
| C/γ(°) | 36.0     | 38.0     | 40.0     | 42.0     | 44.0     | 46.0    | 48.0    | 50.0    | 52.0    |
| 0.0    | 234.66   | 206.65   | 185.09   | 167.29   | 152.55   | 140.12  | 131.14  | 123.16  | 116.10  |
| 30.0   | 259.53   | 226.68   | 202.59   | 182.02   | 165.29   | 152.02  | 140.89  | 131.91  | 124.16  |
| 60.0   | 262.90   | 229.37   | 204.43   | 183.56   | 166.83   | 151.71  | 139.43  | 129.23  | 120.55  |
| 90.0   | 271.65   | 238.50   | 211.57   | 189.54   | 171.36   | 154.86  | 142.12  | 128.46  | 114.03  |
| 120.0  | 259.37   | 226.45   | 200.75   | 181.10   | 163.60   | 148.72  | 136.67  | 127.08  | 118.18  |
| 150.0  | 253.85   | 222.54   | 198.29   | 179.87   | 163.45   | 150.56  | 139.66  | 130.61  | 122.70  |
| 180.0  | 231.90   | 205.50   | 183.40   | 165.83   | 152.02   | 139.97  | 130.45  | 122.55  | 115.80  |
| 210.0  | 219.01   | 195.60   | 177.26   | 163.07   | 149.64   | 139.82  | 131.22  | 123.93  | 117.02  |
| 240.0  | 213.94   | 193.00   | 174.58   | 159.77   | 147.18   | 136.82  | 127.61  | 119.33  | 110.35  |
| 270.0  | 211.49   | 191.38   | 173.96   | 159.46   | 146.49   | 136.36  | 124.85  | 112.88  | 100.68  |
| 300.0  | 214.71   | 192.69   | 174.27   | 159.31   | 147.26   | 136.36  | 127.23  | 119.17  | 109.96  |
| 330.0  | 220.08   | 197.14   | 179.80   | 164.83   | 151.17   | 140.20  | 131.68  | 123.70  | 116.72  |
| 360.0  | 234.66   | 206.65   | 185.09   | 167.29   | 152.55   | 140.12  | 131.14  | 123.16  | 116.10  |
| C/γ(°) | 54.0     | 56.0     | 58.0     | 60.0     | 62.0     | 64.0    | 66.0    | 68.0    | 70.0    |
| 0.0    | 109.81   | 103.90   | 97.84    | 92.47    | 87.25    | 81.27   | 75.74   | 69.52   | 63.08   |
| 30.0   | 117.41   | 110.89   | 104.52   | 98.45    | 91.93    | 85.79   | 79.50   | 72.13   | 64.15   |
| 60.0   | 111.42   | 102.52   | 93.08    | 82.11    | 70.91    | 57.55   | 44.66   | 34.30   | 23.79   |
| 90.0   | 101.45   | 90.09    | 79.42    | 66.76    | 53.72    | 42.67   | 32.23   | 21.41   | 11.89   |
| 120.0  | 109.27   | 100.22   | 90.40    | 79.58    | 68.83    | 55.63   | 42.36   | 32.46   | 22.02   |
| 150.0  | 115.57   | 109.20   | 102.44   | 95.69    | 88.02    | 79.65   | 72.06   | 64.23   | 56.79   |
| 180.0  | 109.43   | 103.75   | 97.99    | 92.39    | 86.71    | 81.11   | 75.05   | 69.14   | 63.08   |
| 210.0  | 110.73   | 104.75   | 98.38    | 92.24    | 85.79    | 80.11   | 72.90   | 65.23   | 56.94   |
| 240.0  | 102.44   | 93.93    | 83.87    | 73.51    | 61.77    | 48.81   | 37.29   | 27.17   | 15.73   |
| 270.0  | 90.17    | 79.04    | 66.76    | 55.02    | 43.66    | 33.00   | 22.41   | 11.28   | 5.29    |
| 300.0  | 101.68   | 93.01    | 83.03    | 72.67    | 61.85    | 48.50   | 37.45   | 27.32   | 15.42   |
| 330.0  | 110.66   | 104.29   | 98.15    | 92.47    | 86.41    | 80.34   | 73.05   | 65.38   | 57.17   |
| 360.0  | 109.81   | 103.90   | 97.84    | 92.47    | 87.25    | 81.27   | 75.74   | 69.52   | 63.08   |

ROLED 地理灯

光强数据表(cd)

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|        |       |       |       |       |       |       |       |       |      |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| C/γ(°) | 72.0  | 74.0  | 76.0  | 78.0  | 80.0  | 82.0  | 84.0  | 86.0  | 88.0 |
| 0.0    | 56.71 | 50.26 | 43.43 | 37.29 | 31.54 | 24.40 | 17.42 | 9.59  | 2.61 |
| 30.0   | 55.48 | 44.97 | 29.85 | 18.03 | 7.14  | 4.07  | 2.61  | 0.84  | 0.61 |
| 60.0   | 13.58 | 5.06  | 3.91  | 3.22  | 2.46  | 1.15  | 1.07  | 0.92  | 0.61 |
| 90.0   | 5.37  | 4.37  | 3.84  | 2.92  | 1.84  | 1.07  | 1.07  | 0.92  | 0.54 |
| 120.0  | 11.59 | 4.76  | 3.91  | 3.22  | 2.30  | 1.15  | 1.07  | 0.84  | 0.54 |
| 150.0  | 49.73 | 40.36 | 26.93 | 16.04 | 5.99  | 3.61  | 2.38  | 0.84  | 0.61 |
| 180.0  | 56.56 | 49.88 | 43.28 | 37.29 | 31.16 | 24.94 | 17.88 | 10.13 | 3.15 |
| 210.0  | 47.04 | 33.46 | 19.95 | 9.06  | 4.14  | 2.84  | 1.07  | 0.69  | 0.23 |
| 240.0  | 6.29  | 4.14  | 3.45  | 2.61  | 1.46  | 1.07  | 0.92  | 0.61  | 0.23 |
| 270.0  | 4.45  | 3.84  | 2.76  | 1.76  | 1.15  | 1.07  | 0.92  | 0.54  | 0.08 |
| 300.0  | 6.37  | 4.22  | 3.61  | 2.69  | 1.53  | 1.00  | 0.92  | 0.61  | 0.08 |
| 330.0  | 48.27 | 34.99 | 21.72 | 9.82  | 4.30  | 2.99  | 1.15  | 0.77  | 0.38 |
| 360.0  | 56.71 | 50.26 | 43.43 | 37.29 | 31.54 | 24.40 | 17.42 | 9.59  | 2.61 |
| C/γ(°) | 90.0  |       |       |       |       |       |       |       |      |
| 0.0    | 0.15  |       |       |       |       |       |       |       |      |
| 30.0   | 0.23  |       |       |       |       |       |       |       |      |
| 60.0   | 0.08  |       |       |       |       |       |       |       |      |
| 90.0   | 0.08  |       |       |       |       |       |       |       |      |
| 120.0  | 0.08  |       |       |       |       |       |       |       |      |
| 150.0  | 0.08  |       |       |       |       |       |       |       |      |
| 180.0  | 0.15  |       |       |       |       |       |       |       |      |
| 210.0  | 0.08  |       |       |       |       |       |       |       |      |
| 240.0  | 0.00  |       |       |       |       |       |       |       |      |
| 270.0  | 0.00  |       |       |       |       |       |       |       |      |
| 300.0  | 0.00  |       |       |       |       |       |       |       |      |
| 330.0  | 0.08  |       |       |       |       |       |       |       |      |
| 360.0  | 0.15  |       |       |       |       |       |       |       |      |