

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3463A-48-24DC(10-OL-48WN-AA,L1000mm,C,CT)

报告编号:

电压(V): 24.1000

测试编号: 20210403002

电流(A): 2.0380

光源规格型号: OL

功率(W): 49.2000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 987

发光面宽度(mm): 72

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 5088.07

灯具效能(lm/w): 103.42

中心光强(cd): 47615.680

最大光强(cd): 49012.310

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=11.7

[C90/270]Total=10.6

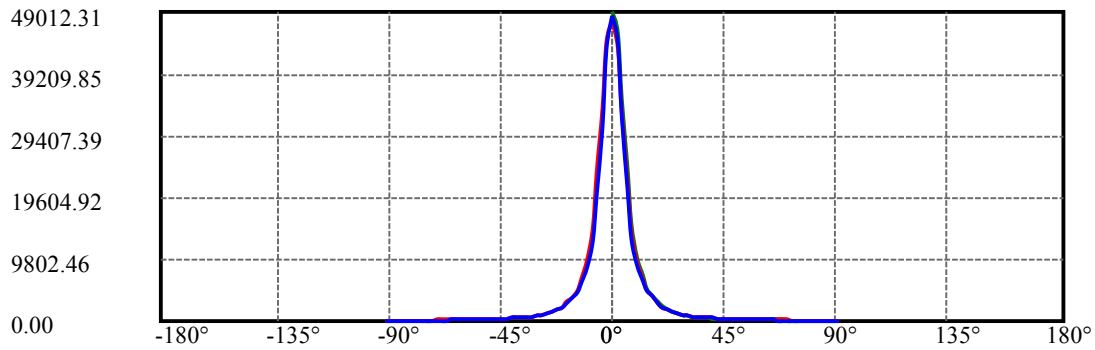
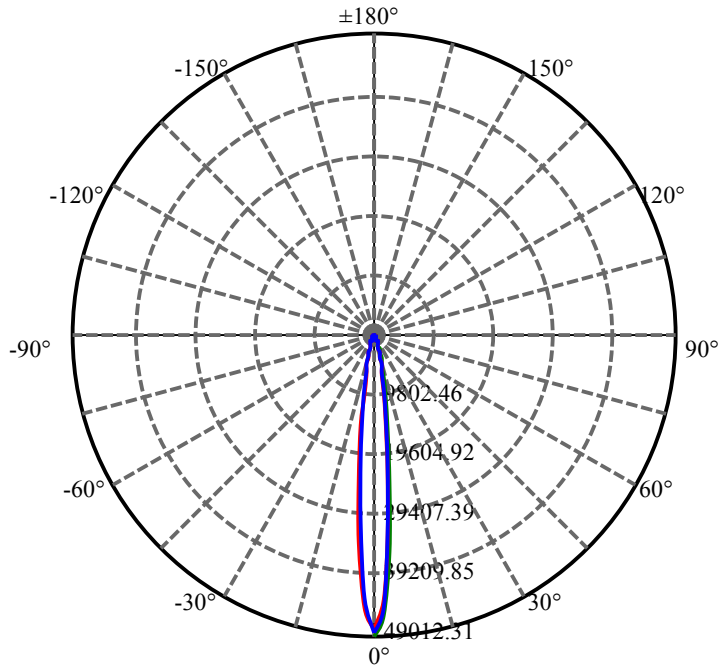
光束扩散角(10%Imax): [C0/180]Total=28.6

[C90/270]Total=27.8

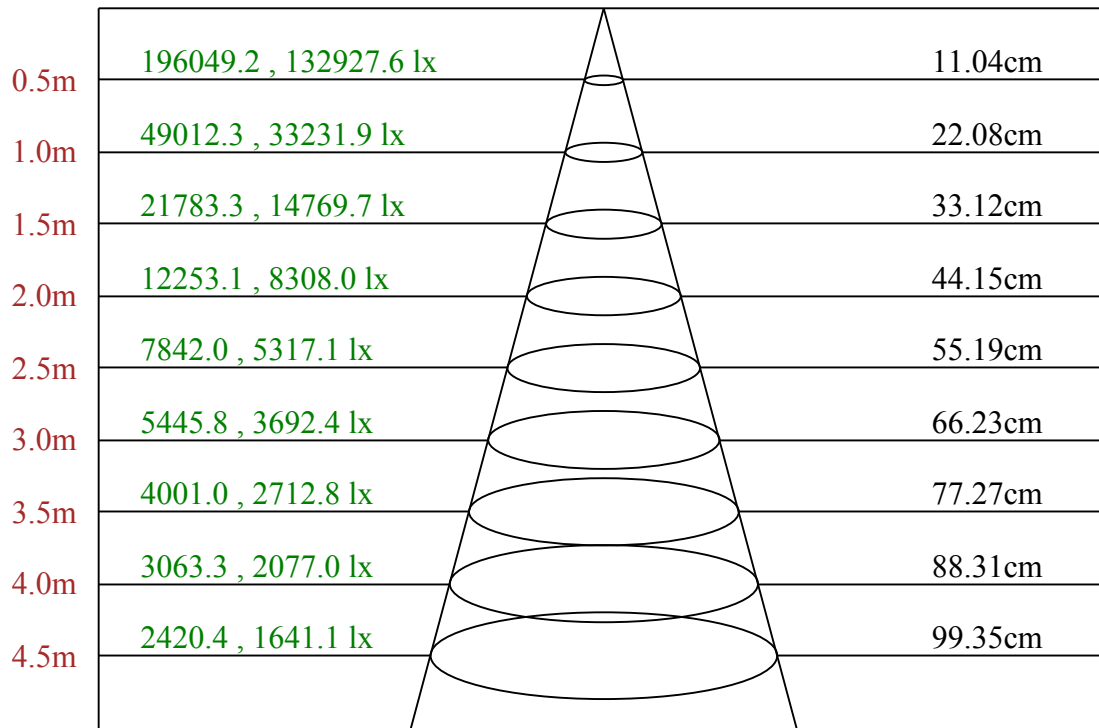
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/3
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

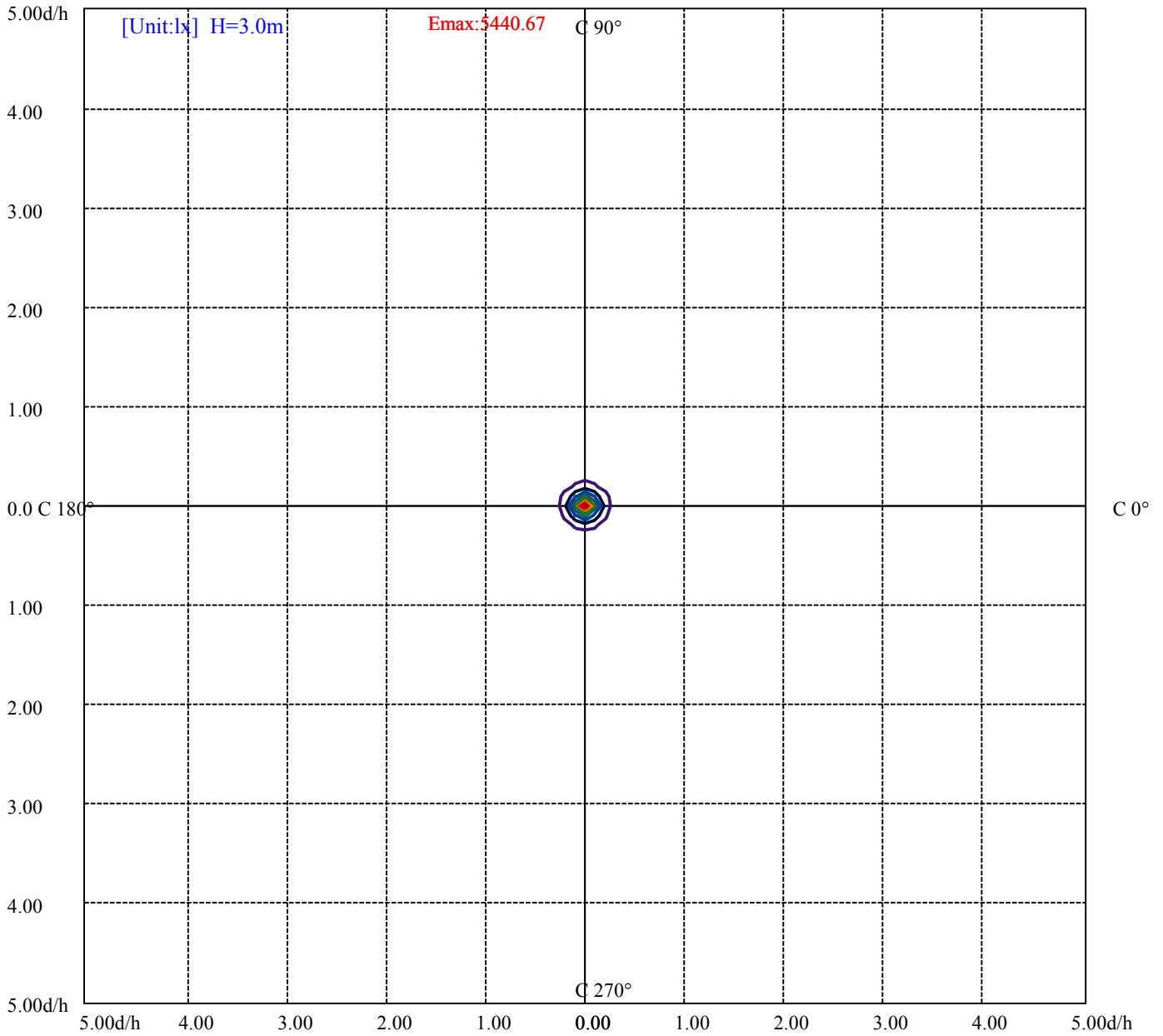


C30(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C30面光束角12.60

ROLED 投光灯
平面等照度曲线



- (10%Emax) 544.0656
- (20%Emax) 1088.131
- (30%Emax) 1632.2
- (40%Emax) 2176.267
- (50%Emax) 2720.333
- (60%Emax) 3264.4
- (70%Emax) 3808.456
- (80%Emax) 4352.522
- (90%Emax) 4896.589

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环境温度(°C): 25.0

测试日期: 2021/4/3
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

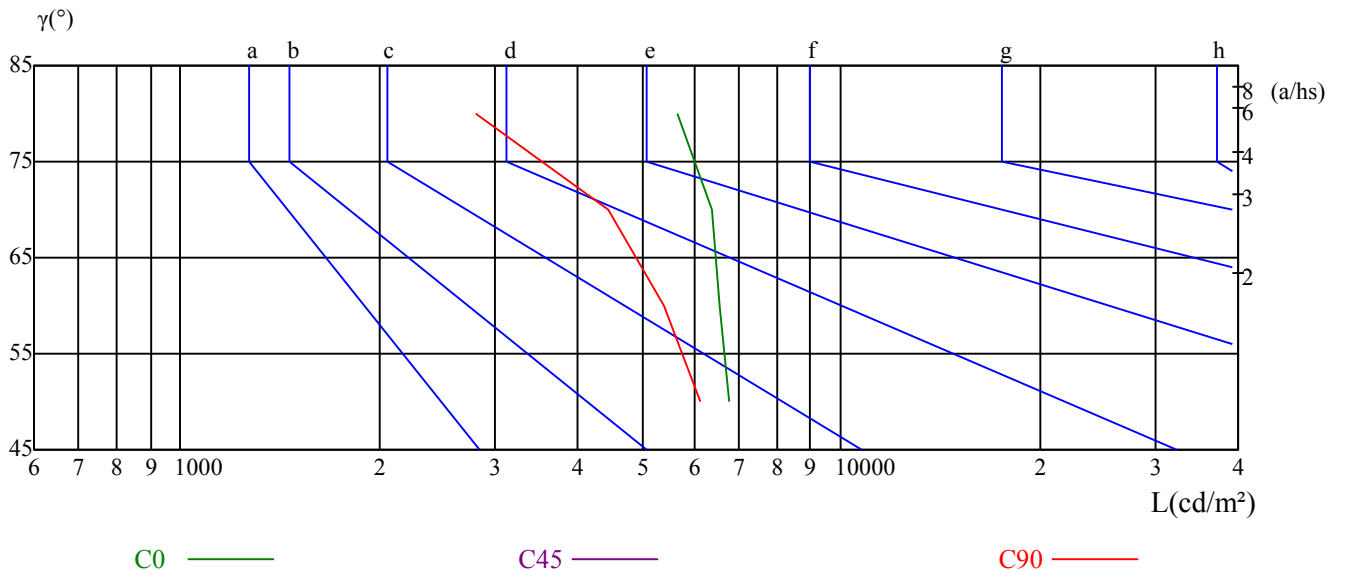
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0 | 0 | 6779 | 0 | 6537 | 0 | 6397 | 0 | 5659 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 6125 | 0 | 5386 | 0 | 4458 | 0 | 2798 | 0 |

| 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 |

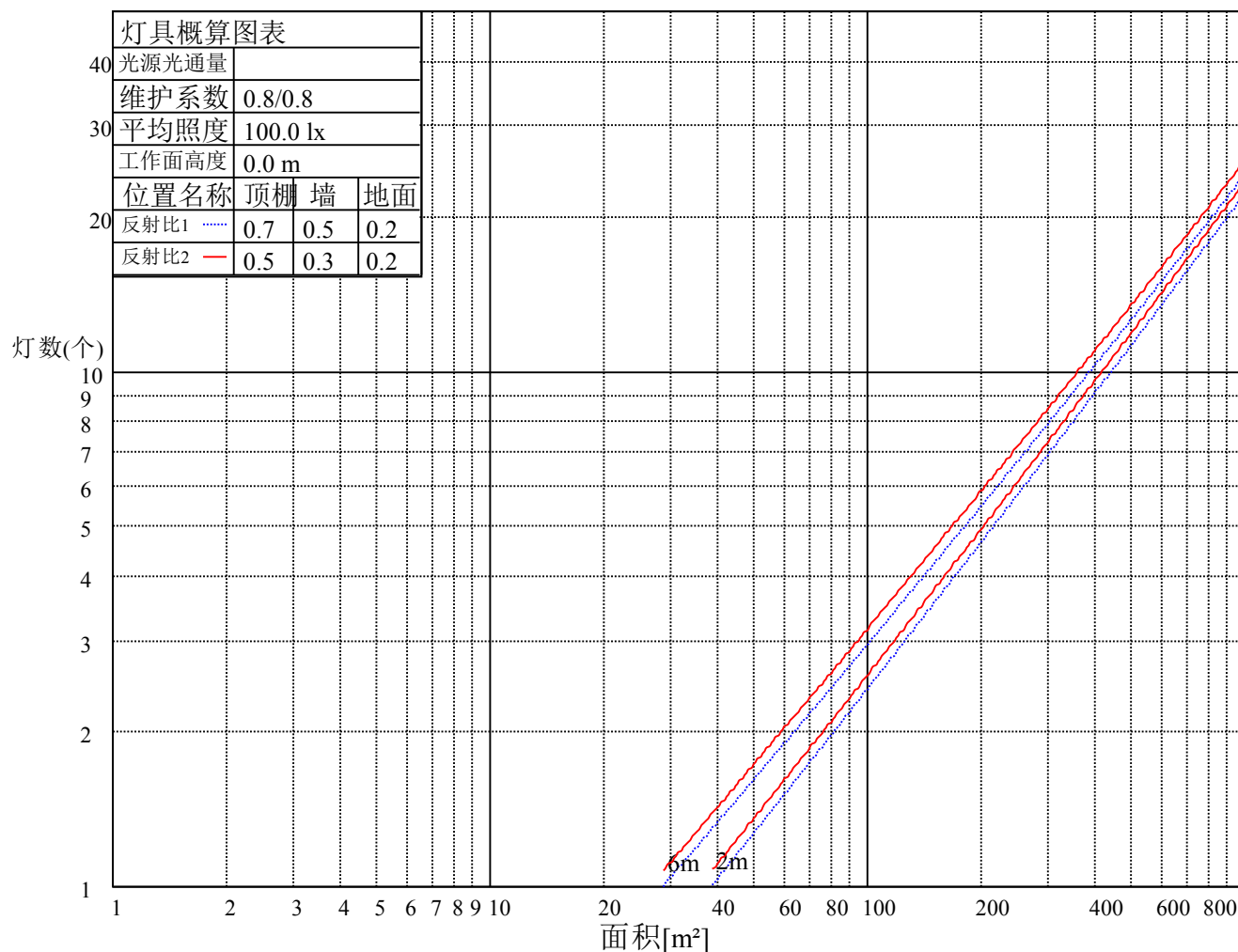
眩光等级表

| 眩光等级 | 质量等级 | 使用照度(lx) | | | | | | | |
|------|------|----------|------|------|------------|------------|------------|------------|------------|
| 1.15 | A | 2000 | 1000 | 500 | ≤ 300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | ≤ 300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | ≤ 300 | | |
| 2.2 | D | | | | 2000 | 1000 | 500 | ≤ 300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | ≤ 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 | 8.79 | 9.89 | 9.15 | 10.20 | 10.51 | 9.55 | 10.65 | 9.92 | 10.96 | 11.28 |
| | 3H | 10.24 | 11.21 | 10.62 | 11.55 | 11.91 | 11.51 | 12.48 | 11.89 | 12.82 | 13.18 |
| | 4H | 10.75 | 11.66 | 11.16 | 12.01 | 12.40 | 12.19 | 13.09 | 12.59 | 13.45 | 13.83 |
| | 6H | 11.01 | 11.84 | 11.43 | 12.22 | 12.61 | 12.69 | 13.52 | 13.11 | 13.90 | 14.29 |
| | 8H | 11.05 | 11.84 | 11.49 | 12.23 | 12.64 | 12.87 | 13.65 | 13.30 | 14.04 | 14.45 |
| | 12H | 11.10 | 11.85 | 11.54 | 12.23 | 12.67 | 13.09 | 13.84 | 13.52 | 14.22 | 14.65 |
| 4H | 2H | 9.40 | 10.31 | 9.81 | 10.66 | 11.05 | 10.01 | 10.91 | 10.41 | 11.27 | 11.65 |
| | 3H | 11.04 | 11.79 | 11.46 | 12.19 | 12.60 | 12.19 | 12.94 | 12.61 | 13.35 | 13.75 |
| | 4H | 11.63 | 12.30 | 12.07 | 12.72 | 13.17 | 12.99 | 13.66 | 13.43 | 14.08 | 14.52 |
| | 6H | 11.92 | 12.49 | 12.38 | 12.94 | 13.41 | 13.50 | 14.07 | 13.97 | 14.52 | 14.99 |
| | 8H | 11.98 | 12.51 | 12.45 | 12.96 | 13.44 | 13.72 | 14.25 | 14.19 | 14.70 | 15.17 |
| | 12H | 12.04 | 12.50 | 12.53 | 12.99 | 13.46 | 13.95 | 14.41 | 14.44 | 14.90 | 15.37 |
| 8H | 4H | 11.92 | 12.46 | 12.40 | 12.91 | 13.38 | 13.13 | 13.66 | 13.60 | 14.11 | 14.58 |
| | 6H | 12.31 | 12.73 | 12.81 | 13.23 | 13.72 | 13.74 | 14.17 | 14.25 | 14.67 | 15.16 |
| | 8H | 12.42 | 12.80 | 12.95 | 13.32 | 13.81 | 14.02 | 14.40 | 14.55 | 14.92 | 15.41 |
| | 12H | 13.04 | 13.37 | 13.56 | 13.86 | 14.44 | 14.76 | 15.08 | 15.28 | 15.58 | 16.16 |
| 12H | 4H | 11.93 | 12.40 | 12.42 | 12.88 | 13.36 | 13.10 | 13.56 | 13.59 | 14.05 | 14.53 |
| | 6H | 12.72 | 12.73 | 12.88 | 13.20 | 13.74 | 14.12 | 14.12 | 14.27 | 14.59 | 15.13 |
| | 8H | 12.50 | 12.82 | 13.02 | 13.32 | 13.90 | 14.05 | 14.38 | 14.57 | 14.87 | 15.45 |
| 对应照射距离，改变观察者位置S | | | | | | | | | | | |
| S = 1.0H | 0.2/-0.5 | | | | | 0.2/-0.6 | | | | | |
| S = 1.5H | 0.8/-0.8 | | | | | 0.7/-0.7 | | | | | |
| S = 2.0H | 1.6/-1.0 | | | | | 0.9/-0.7 | | | | | |
| 标准表格 | BK3 | | | | | BK3 | | | | | |
| 更正系数 | -0.5 | | | | | 0.6 | | | | | |



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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 | 1.11 | 1.08 | 1.06 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.01 | 1.01 | 1.00 | 0.98 | 0.98 | 0.97 | 0.96 | 0.94 |
| 2 | 1.04 | 1.00 | 0.97 | 1.02 | 0.99 | 0.96 | 0.99 | 0.96 | 0.94 | 0.96 | 0.94 | 0.92 | 0.93 | 0.91 | 0.90 | 0.88 |
| 3 | 0.98 | 0.93 | 0.90 | 0.97 | 0.92 | 0.89 | 0.94 | 0.90 | 0.88 | 0.92 | 0.89 | 0.86 | 0.89 | 0.87 | 0.85 | 0.83 |
| 4 | 0.93 | 0.88 | 0.84 | 0.92 | 0.87 | 0.84 | 0.90 | 0.86 | 0.83 | 0.88 | 0.84 | 0.82 | 0.86 | 0.83 | 0.81 | 0.79 |
| 5 | 0.89 | 0.84 | 0.80 | 0.88 | 0.83 | 0.79 | 0.86 | 0.82 | 0.79 | 0.84 | 0.81 | 0.78 | 0.83 | 0.80 | 0.77 | 0.76 |
| 6 | 0.85 | 0.80 | 0.76 | 0.84 | 0.79 | 0.76 | 0.83 | 0.79 | 0.75 | 0.82 | 0.78 | 0.75 | 0.80 | 0.77 | 0.74 | 0.73 |
| 7 | 0.82 | 0.77 | 0.73 | 0.81 | 0.76 | 0.73 | 0.80 | 0.76 | 0.73 | 0.79 | 0.75 | 0.72 | 0.78 | 0.74 | 0.72 | 0.71 |
| 8 | 0.79 | 0.74 | 0.71 | 0.78 | 0.74 | 0.70 | 0.77 | 0.73 | 0.70 | 0.77 | 0.73 | 0.70 | 0.76 | 0.72 | 0.70 | 0.69 |
| 9 | 0.76 | 0.72 | 0.68 | 0.76 | 0.71 | 0.68 | 0.75 | 0.71 | 0.68 | 0.74 | 0.71 | 0.68 | 0.74 | 0.70 | 0.68 | 0.67 |
| 10 | 0.74 | 0.70 | 0.66 | 0.74 | 0.69 | 0.66 | 0.73 | 0.69 | 0.66 | 0.72 | 0.69 | 0.66 | 0.72 | 0.68 | 0.66 | 0.65 |

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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 | 47615.68 | 43111.18 | 33296.44 | 22307.62 | 14257.85 | 9484.77 | 6622.45 | 4888.19 | 3905.94 |
| 30.0 | 49012.31 | 45666.55 | 35268.60 | 24233.73 | 15516.34 | 10098.67 | 7159.62 | 5241.18 | 4005.70 |
| 60.0 | 48920.22 | 43326.05 | 31454.74 | 20811.24 | 13072.25 | 8900.79 | 6383.03 | 4746.22 | 3654.24 |
| 90.0 | 48421.43 | 44269.92 | 32690.22 | 20972.39 | 13198.87 | 8947.60 | 6384.57 | 4826.80 | 3936.64 |
| 120.0 | 47784.50 | 42689.13 | 31132.44 | 20105.25 | 12872.73 | 8603.82 | 6214.21 | 4711.69 | 3598.23 |
| 150.0 | 47615.68 | 44423.40 | 34977.00 | 23151.73 | 15055.92 | 9761.02 | 6921.73 | 5110.72 | 3921.29 |
| 180.0 | 47615.68 | 44246.90 | 33902.67 | 23604.49 | 14903.98 | 9775.60 | 6755.98 | 4926.55 | 3765.51 |
| 210.0 | 49012.31 | 43479.52 | 32851.37 | 21839.52 | 14066.77 | 9206.21 | 6498.14 | 4839.07 | 3636.59 |
| 240.0 | 48920.22 | 44684.30 | 33948.71 | 22177.17 | 14104.37 | 9507.79 | 6745.24 | 4826.80 | 3890.60 |
| 270.0 | 48421.43 | 42842.60 | 30756.43 | 20112.92 | 12647.89 | 8660.61 | 6170.47 | 4676.39 | 3562.93 |
| 300.0 | 47784.50 | 43679.04 | 32521.39 | 21640.00 | 13743.70 | 9108.75 | 6522.70 | 4880.51 | 3921.29 |
| 330.0 | 47615.68 | 42574.02 | 31654.26 | 20949.36 | 13544.19 | 8962.95 | 6400.68 | 4747.76 | 3661.92 |
| 360.0 | 47615.68 | 43111.18 | 33296.44 | 22307.62 | 14257.85 | 9484.77 | 6622.45 | 4888.19 | 3905.94 |
| C/γ(°) | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 |
| 0.0 | 2888.40 | 2266.83 | 1812.54 | 1459.55 | 1199.41 | 993.75 | 851.02 | 733.61 | 636.92 |
| 30.0 | 3028.07 | 2381.17 | 1864.72 | 1497.92 | 1208.62 | 989.15 | 832.60 | 707.52 | 610.83 |
| 60.0 | 2820.87 | 2193.16 | 1723.53 | 1403.68 | 1138.48 | 947.94 | 797.15 | 681.28 | 590.88 |
| 90.0 | 2840.83 | 2255.32 | 1785.68 | 1436.53 | 1177.15 | 988.38 | 837.21 | 726.71 | 633.09 |
| 120.0 | 2803.22 | 2197.76 | 1768.03 | 1444.28 | 1196.57 | 989.92 | 819.02 | 713.05 | 622.19 |
| 150.0 | 3027.30 | 2367.35 | 1870.86 | 1502.52 | 1239.31 | 1028.28 | 869.44 | 754.33 | 659.94 |
| 180.0 | 2907.59 | 2271.43 | 1798.73 | 1478.12 | 1210.92 | 1017.54 | 863.91 | 743.89 | 649.74 |
| 210.0 | 2802.46 | 2176.28 | 1735.80 | 1405.30 | 1153.75 | 951.47 | 802.98 | 685.19 | 597.63 |
| 240.0 | 2877.66 | 2256.09 | 1799.50 | 1446.50 | 1186.36 | 992.98 | 833.37 | 723.64 | 630.02 |
| 270.0 | 2803.22 | 2194.70 | 1739.64 | 1429.85 | 1170.94 | 975.18 | 830.30 | 720.41 | 629.79 |
| 300.0 | 2916.03 | 2317.48 | 1829.42 | 1474.90 | 1209.38 | 1012.94 | 859.46 | 742.82 | 653.04 |
| 330.0 | 2842.36 | 2251.48 | 1780.31 | 1446.81 | 1193.88 | 990.91 | 842.27 | 724.40 | 638.84 |
| 360.0 | 2888.40 | 2266.83 | 1812.54 | 1459.55 | 1199.41 | 993.75 | 851.02 | 733.61 | 636.92 |
| C/γ(°) | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 0.0 | 567.09 | 508.00 | 458.12 | 418.22 | 388.29 | 354.68 | 330.74 | 309.64 | 291.14 |
| 30.0 | 535.63 | 479.61 | 432.03 | 393.66 | 365.35 | 338.03 | 315.70 | 296.44 | 280.25 |
| 60.0 | 524.89 | 469.40 | 424.59 | 389.67 | 357.60 | 330.28 | 307.33 | 288.07 | 269.50 |
| 90.0 | 560.18 | 503.40 | 457.36 | 418.99 | 389.06 | 331.05 | 302.50 | 279.79 | 259.76 |
| 120.0 | 549.82 | 497.57 | 453.14 | 423.36 | 399.80 | 375.63 | 348.24 | 308.72 | 266.89 |
| 150.0 | 587.04 | 525.65 | 480.38 | 440.47 | 407.48 | 387.52 | 355.76 | 333.50 | 313.17 |
| 180.0 | 580.14 | 520.74 | 472.63 | 434.87 | 400.72 | 371.10 | 345.93 | 324.75 | 303.80 |
| 210.0 | 527.03 | 469.94 | 427.43 | 390.59 | 358.21 | 332.27 | 311.94 | 292.75 | 277.02 |
| 240.0 | 563.25 | 505.70 | 457.36 | 419.75 | 388.29 | 359.13 | 335.73 | 313.24 | 292.06 |
| 270.0 | 563.64 | 507.31 | 461.96 | 425.28 | 388.60 | 357.67 | 330.36 | 303.73 | 281.09 |
| 300.0 | 579.37 | 525.65 | 474.24 | 436.64 | 401.34 | 373.87 | 347.16 | 314.39 | 284.47 |
| 330.0 | 568.78 | 513.76 | 466.56 | 427.74 | 393.36 | 364.58 | 341.33 | 318.46 | 299.35 |
| 360.0 | 567.09 | 508.00 | 458.12 | 418.22 | 388.29 | 354.68 | 330.74 | 309.64 | 291.14 |
| C/γ(°) | 54.0 | 56.0 | 58.0 | 60.0 | 62.0 | 64.0 | 66.0 | 68.0 | 70.0 |
| 0.0 | 275.79 | 261.21 | 246.94 | 232.28 | 218.09 | 202.51 | 187.24 | 171.12 | 155.47 |
| 30.0 | 264.74 | 250.86 | 236.35 | 221.54 | 207.73 | 193.38 | 178.80 | 163.91 | 149.25 |
| 60.0 | 251.78 | 234.82 | 217.09 | 199.21 | 181.94 | 163.60 | 147.03 | 131.91 | 114.57 |
| 90.0 | 242.26 | 225.30 | 208.57 | 191.38 | 174.88 | 160.00 | 143.12 | 125.39 | 108.35 |
| 120.0 | 247.86 | 230.90 | 212.26 | 195.83 | 179.49 | 161.00 | 145.95 | 130.68 | 114.72 |
| 150.0 | 295.36 | 277.33 | 261.21 | 244.79 | 229.29 | 204.28 | 185.94 | 171.51 | 155.93 |
| 180.0 | 285.62 | 268.74 | 253.39 | 238.27 | 222.92 | 208.27 | 193.53 | 178.80 | 162.22 |
| 210.0 | 261.91 | 247.02 | 233.13 | 218.55 | 203.97 | 189.70 | 176.11 | 160.92 | 146.19 |
| 240.0 | 274.26 | 256.00 | 236.74 | 218.24 | 201.21 | 181.94 | 164.30 | 147.49 | 129.00 |
| 270.0 | 260.91 | 242.80 | 224.69 | 204.12 | 178.11 | 161.15 | 143.81 | 126.16 | 108.58 |
| 300.0 | 264.82 | 246.86 | 228.75 | 211.87 | 195.07 | 177.57 | 159.69 | 143.58 | 125.85 |
| 330.0 | 281.86 | 265.44 | 249.78 | 235.05 | 219.47 | 199.59 | 180.64 | 164.83 | 149.79 |
| 360.0 | 275.79 | 261.21 | 246.94 | 232.28 | 218.09 | 202.51 | 187.24 | 171.12 | 155.47 |

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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 | 129.84 | 111.96 | 98.30 | 83.95 | 69.83 | 54.41 | 39.06 | 22.02 | 6.75 |
| 30.0 | 132.37 | 113.96 | 91.78 | 72.59 | 54.56 | 41.21 | 26.24 | 8.67 | 4.14 |
| 60.0 | 96.54 | 80.42 | 70.06 | 57.94 | 39.06 | 20.87 | 14.81 | 8.82 | 5.45 |
| 90.0 | 94.46 | 84.49 | 70.91 | 55.48 | 34.53 | 23.25 | 16.04 | 10.67 | 6.37 |
| 120.0 | 96.31 | 80.80 | 70.37 | 58.24 | 40.82 | 21.95 | 15.42 | 8.90 | 5.83 |
| 150.0 | 139.66 | 120.55 | 97.07 | 72.90 | 55.33 | 40.67 | 26.01 | 8.82 | 4.07 |
| 180.0 | 144.73 | 115.87 | 99.22 | 84.87 | 69.91 | 55.94 | 40.98 | 25.32 | 9.59 |
| 210.0 | 129.38 | 109.50 | 88.40 | 69.98 | 52.03 | 38.45 | 23.87 | 8.13 | 4.07 |
| 240.0 | 103.21 | 84.64 | 73.59 | 61.31 | 46.20 | 23.87 | 16.65 | 9.36 | 6.29 |
| 270.0 | 94.00 | 83.57 | 70.60 | 54.56 | 33.23 | 23.48 | 15.73 | 10.82 | 6.22 |
| 300.0 | 102.21 | 83.57 | 72.13 | 60.62 | 44.28 | 24.10 | 16.73 | 9.44 | 6.29 |
| 330.0 | 133.37 | 111.50 | 86.25 | 69.06 | 51.34 | 38.06 | 22.10 | 8.44 | 4.07 |
| 360.0 | 129.84 | 111.96 | 98.30 | 83.95 | 69.83 | 54.41 | 39.06 | 22.02 | 6.75 |
| C/γ(°) | 90.0 | | | | | | | | |
| 0.0 | 0.38 | | | | | | | | |
| 30.0 | 0.61 | | | | | | | | |
| 60.0 | 0.23 | | | | | | | | |
| 90.0 | 0.31 | | | | | | | | |
| 120.0 | 0.38 | | | | | | | | |
| 150.0 | 1.00 | | | | | | | | |
| 180.0 | 0.54 | | | | | | | | |
| 210.0 | 0.46 | | | | | | | | |
| 240.0 | 0.46 | | | | | | | | |
| 270.0 | 0.38 | | | | | | | | |
| 300.0 | 0.38 | | | | | | | | |
| 330.0 | 0.46 | | | | | | | | |
| 360.0 | 0.38 | | | | | | | | |