

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3463A-48-24DC(20-OL-48WN-AA,L1000mm,C,CT)

报告编号:

电压(V): 23.9000

测试编号: 20210403004

电流(A): 2.0530

光源规格型号: OL

功率(W): 49.2000

每个光源光通量(lm)

功率因数: 1.0230

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): 5182.06

灯具效能(lm/w): 105.33

中心光强(cd): 21770.460

最大光强(cd): 22867.800

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=21.6

[C90/270]Total=20.8

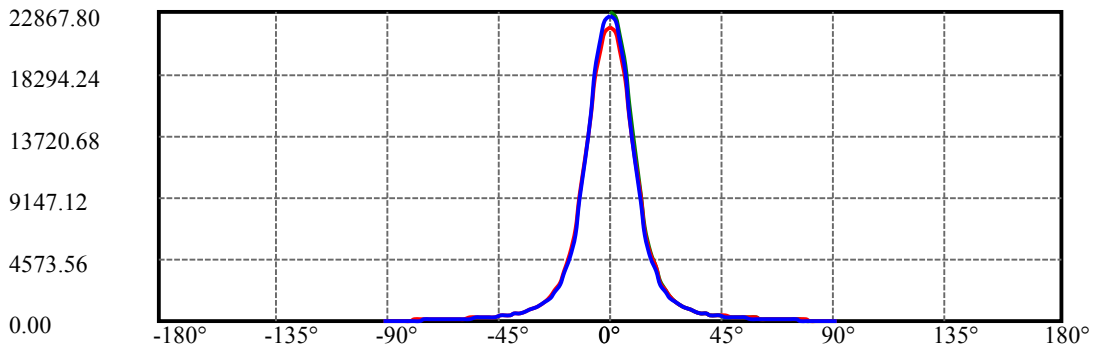
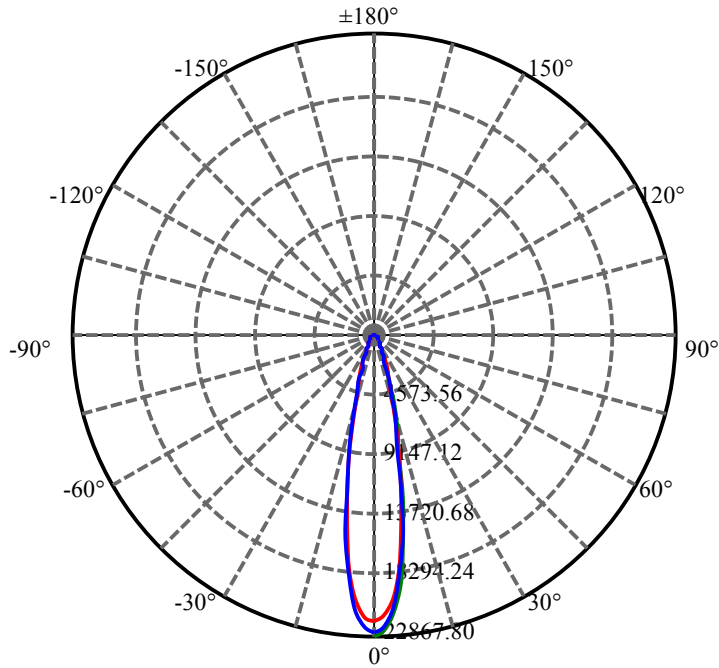
光束扩散角(10%Imax): [C0/180]Total=44.4

[C90/270]Total=43.2

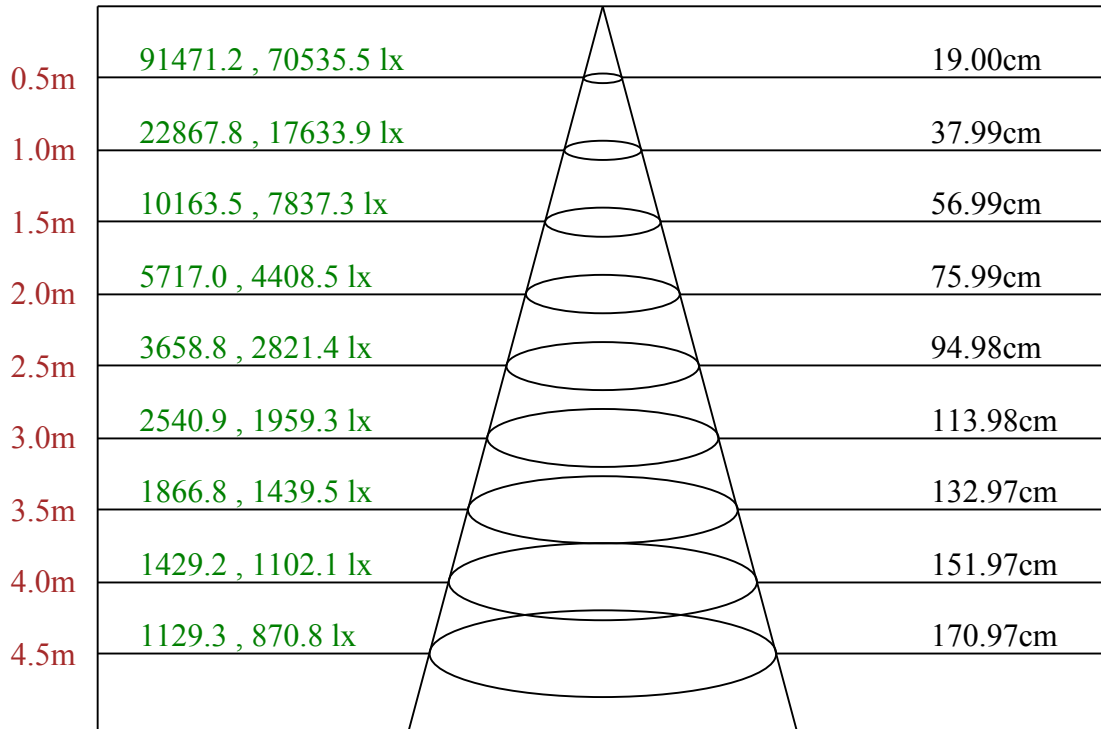
测试设备: GMS1800
环境温度(°C): 25.0

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

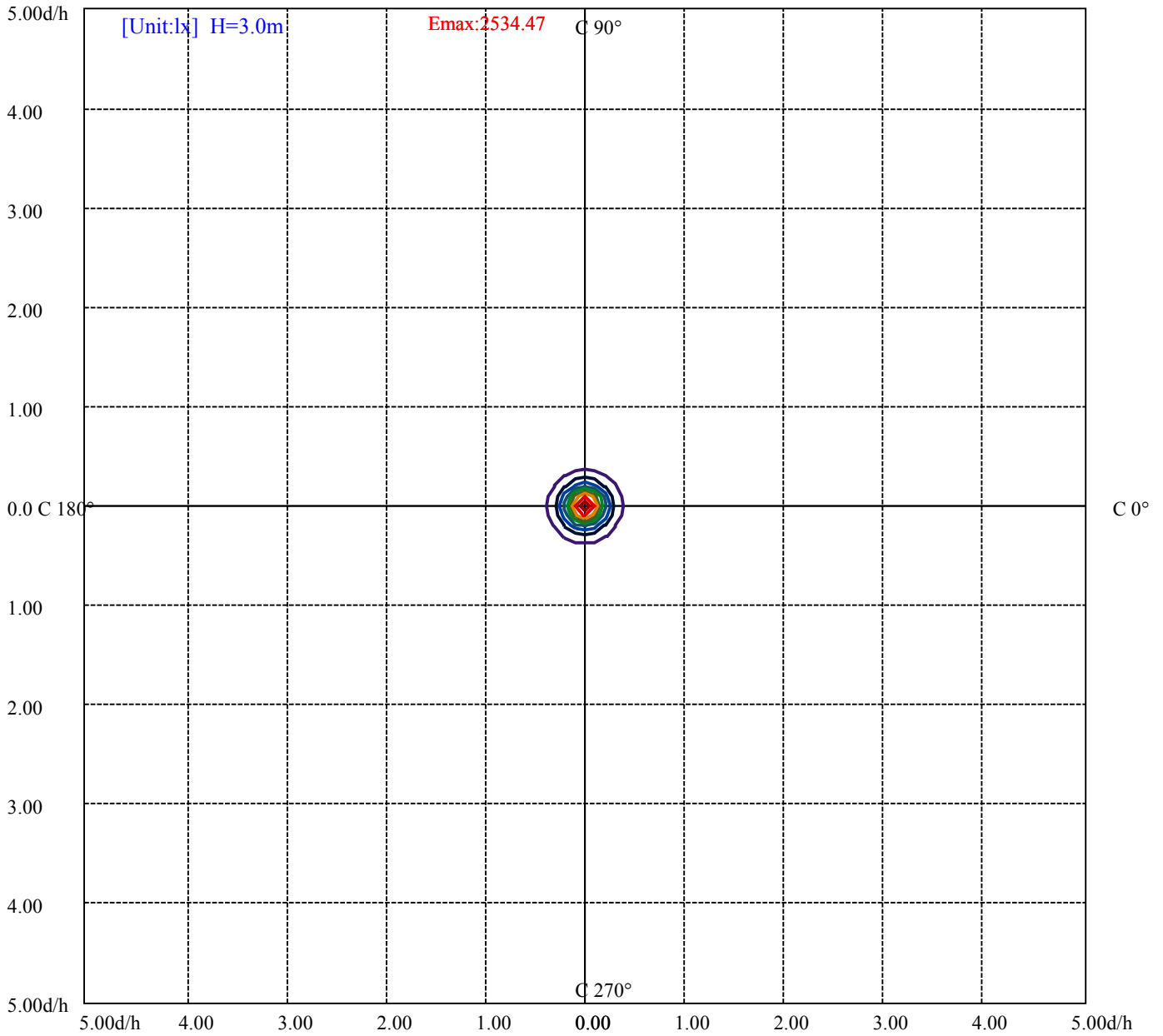


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角21.51

ROLED 投光灯
平面等照度曲线



- (10%Emax) 253.4467
- (20%Emax) 506.8933
- (30%Emax) 760.34
- (40%Emax) 1013.787
- (50%Emax) 1267.233
- (60%Emax) 1520.678
- (70%Emax) 1774.122
- (80%Emax) 2027.578
- (90%Emax) 2281.022

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

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

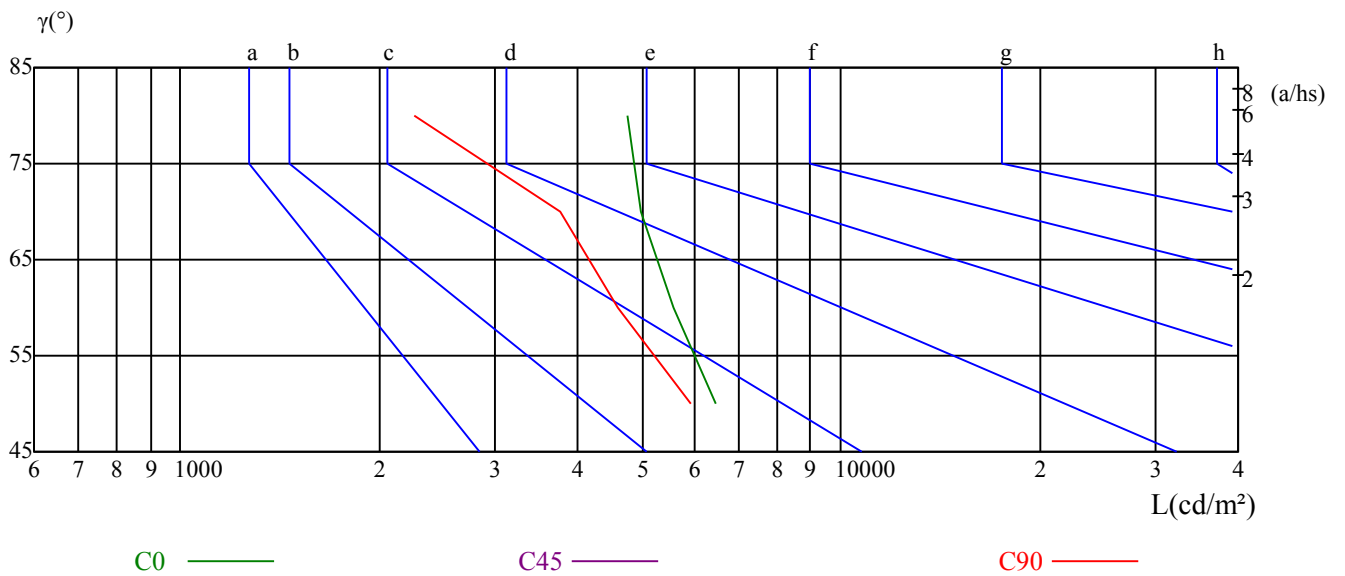
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0 | 0 | 6476 | 0 | 5591 | 0 | 4976 | 0 | 4763 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 5925 | 0 | 4587 | 0 | 3760 | 0 | 2257 | 0 |

| 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 |

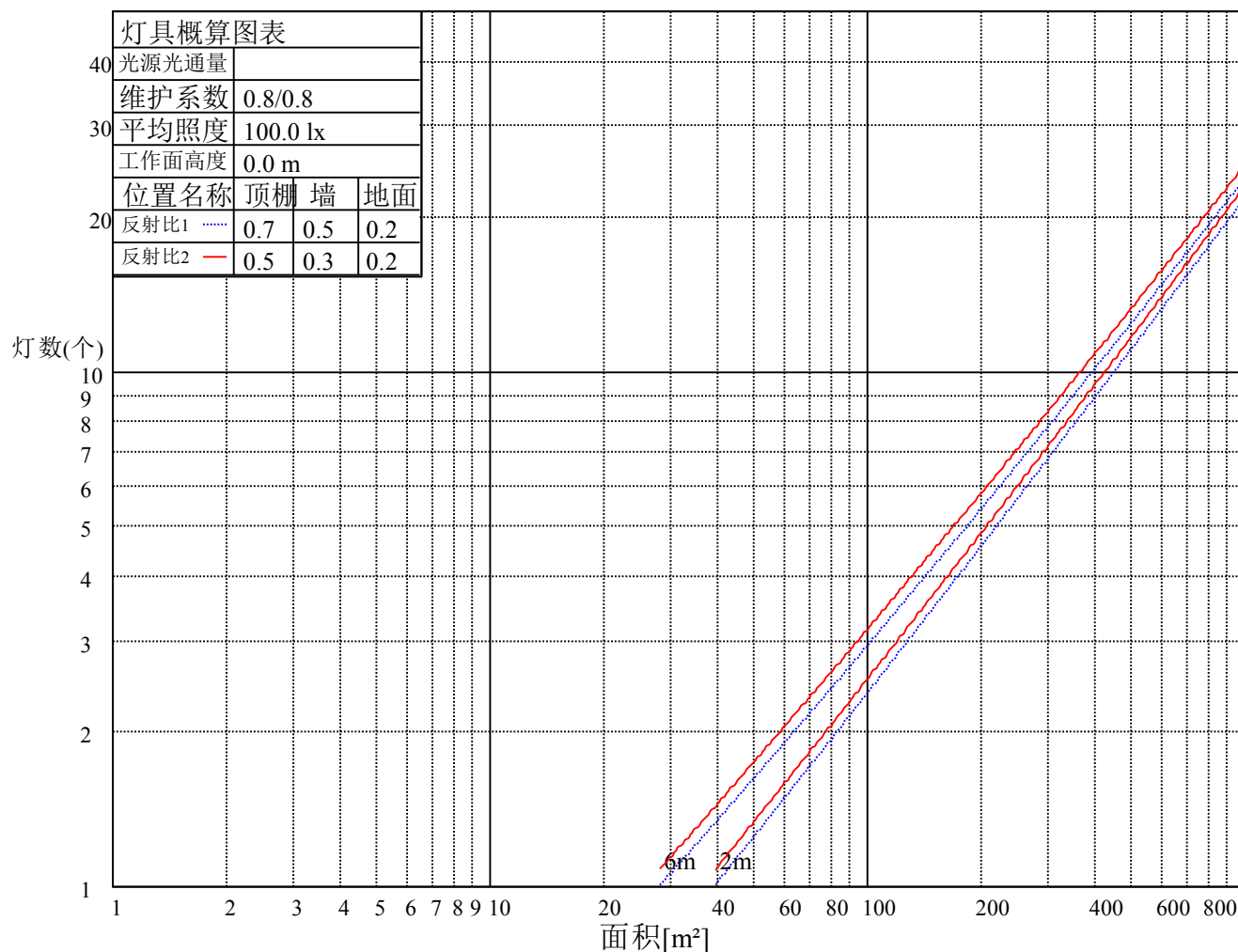
亮度限制曲线



| 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 | 7.87 | 8.96 | 8.23 | 9.27 | 9.58 | 8.60 | 9.69 | 8.96 | 10.00 | 10.32 |
| | 3H | 9.19 | 10.16 | 9.57 | 10.49 | 10.86 | 10.33 | 11.30 | 10.71 | 11.63 | 12.00 |
| | 4H | 9.69 | 10.59 | 10.10 | 10.94 | 11.33 | 10.98 | 11.87 | 11.38 | 12.22 | 12.61 |
| | 6H | 9.93 | 10.76 | 10.35 | 11.13 | 11.53 | 11.47 | 12.29 | 11.89 | 12.67 | 13.06 |
| | 8H | 9.97 | 10.74 | 10.40 | 11.14 | 11.54 | 11.64 | 12.41 | 12.07 | 12.80 | 13.21 |
| | 12H | 10.02 | 10.76 | 10.45 | 11.14 | 11.57 | 11.84 | 12.58 | 12.28 | 12.97 | 13.40 |
| 4H | 2H | 8.45 | 9.35 | 8.86 | 9.70 | 10.09 | 9.04 | 9.93 | 9.44 | 10.28 | 10.67 |
| | 3H | 9.96 | 10.70 | 10.38 | 11.10 | 11.51 | 11.03 | 11.77 | 11.45 | 12.18 | 12.58 |
| | 4H | 10.55 | 11.20 | 10.98 | 11.63 | 12.07 | 11.80 | 12.45 | 12.23 | 12.88 | 13.32 |
| | 6H | 10.81 | 11.38 | 11.28 | 11.83 | 12.30 | 12.29 | 12.86 | 12.76 | 13.31 | 13.78 |
| | 8H | 10.87 | 11.40 | 11.34 | 11.85 | 12.32 | 12.50 | 13.02 | 12.97 | 13.47 | 13.95 |
| | 12H | 10.92 | 11.38 | 11.41 | 11.87 | 12.34 | 12.71 | 13.17 | 13.20 | 13.65 | 14.13 |
| 8H | 4H | 10.82 | 11.35 | 11.30 | 11.80 | 12.27 | 11.93 | 12.45 | 12.40 | 12.90 | 13.38 |
| | 6H | 11.18 | 11.60 | 11.69 | 12.11 | 12.59 | 12.53 | 12.95 | 13.03 | 13.45 | 13.93 |
| | 8H | 11.29 | 11.66 | 11.82 | 12.18 | 12.68 | 12.79 | 13.17 | 13.32 | 13.69 | 14.18 |
| | 12H | 11.90 | 12.22 | 12.42 | 12.72 | 13.30 | 13.52 | 13.85 | 14.04 | 14.34 | 14.92 |
| 12H | 4H | 10.83 | 11.28 | 11.32 | 11.77 | 12.25 | 11.90 | 12.36 | 12.39 | 12.84 | 13.32 |
| | 6H | 11.58 | 11.59 | 11.75 | 12.06 | 12.61 | 12.88 | 12.89 | 13.05 | 13.36 | 13.91 |
| | 8H | 11.36 | 11.68 | 11.88 | 12.18 | 12.76 | 12.82 | 13.14 | 13.34 | 13.64 | 14.22 |
| 对应照射距离，改变观察者位置S | | | | | | | | | | | |
| S = 1.0H | | 0.4/-0.6 | | | | | 0.3/-0.5 | | | | |
| S = 1.5H | | 0.9/-1.0 | | | | | 0.9/-0.8 | | | | |
| S = 2.0H | | 2.3/-1.3 | | | | | 1.6/-0.9 | | | | |
| 标准表格 | | BK3 | | | | | BK3 | | | | |
| 更正系数 | | -1.2 | | | | | -0.2 | | | | |

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灯具的概算曲线



ROLED 投光灯

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 | 1.11 | 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 | 0.93 | 0.96 | 0.94 | 0.91 | 0.93 | 0.91 | 0.90 | 0.88 |
| 3 | 0.98 | 0.93 | 0.89 | 0.96 | 0.92 | 0.89 | 0.94 | 0.90 | 0.87 | 0.91 | 0.88 | 0.86 | 0.89 | 0.87 | 0.85 | 0.83 |
| 4 | 0.92 | 0.87 | 0.84 | 0.91 | 0.87 | 0.83 | 0.89 | 0.85 | 0.82 | 0.87 | 0.84 | 0.81 | 0.86 | 0.83 | 0.80 | 0.79 |
| 5 | 0.88 | 0.83 | 0.79 | 0.87 | 0.82 | 0.79 | 0.85 | 0.81 | 0.78 | 0.84 | 0.80 | 0.77 | 0.82 | 0.79 | 0.77 | 0.75 |
| 6 | 0.84 | 0.79 | 0.75 | 0.83 | 0.78 | 0.75 | 0.82 | 0.77 | 0.74 | 0.81 | 0.77 | 0.74 | 0.79 | 0.76 | 0.73 | 0.72 |
| 7 | 0.81 | 0.75 | 0.72 | 0.80 | 0.75 | 0.72 | 0.79 | 0.74 | 0.71 | 0.78 | 0.74 | 0.71 | 0.77 | 0.73 | 0.70 | 0.69 |
| 8 | 0.77 | 0.72 | 0.69 | 0.77 | 0.72 | 0.69 | 0.76 | 0.72 | 0.68 | 0.75 | 0.71 | 0.68 | 0.74 | 0.71 | 0.68 | 0.67 |
| 9 | 0.75 | 0.70 | 0.66 | 0.74 | 0.69 | 0.66 | 0.73 | 0.69 | 0.66 | 0.73 | 0.69 | 0.66 | 0.72 | 0.68 | 0.66 | 0.64 |
| 10 | 0.72 | 0.67 | 0.64 | 0.72 | 0.67 | 0.64 | 0.71 | 0.67 | 0.64 | 0.70 | 0.66 | 0.64 | 0.70 | 0.66 | 0.63 | 0.62 |

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光强数据表(cd)

附页 第9页 共10页

| C/γ(°) | 0.0 | 2.0 | 4.0 | 6.0 | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 |
|--------|----------|----------|----------|----------|----------|----------|---------|---------|---------|
| 0.0 | 21770.46 | 21348.40 | 20005.49 | 17803.12 | 15124.98 | 11978.74 | 9170.14 | 6645.48 | 4903.53 |
| 30.0 | 22867.80 | 22484.12 | 21141.21 | 18854.43 | 16015.14 | 12607.99 | 9423.38 | 6983.12 | 5064.68 |
| 60.0 | 22752.70 | 22200.19 | 20627.07 | 18294.24 | 15105.03 | 11700.18 | 8704.35 | 6387.64 | 4631.11 |
| 90.0 | 22576.20 | 22138.80 | 20772.87 | 18378.66 | 15232.41 | 11740.85 | 8755.76 | 6330.85 | 4680.99 |
| 120.0 | 21824.17 | 21287.01 | 19767.61 | 17480.83 | 14386.00 | 11116.21 | 8374.37 | 6058.43 | 4478.41 |
| 150.0 | 21847.19 | 21448.16 | 20205.01 | 17994.97 | 15086.61 | 11994.09 | 8970.63 | 6676.17 | 4872.84 |
| 180.0 | 21770.46 | 21363.75 | 20043.86 | 17895.21 | 15155.68 | 12006.36 | 9230.00 | 6764.42 | 4922.72 |
| 210.0 | 22867.80 | 22361.34 | 20880.30 | 18616.54 | 15138.03 | 12112.26 | 9084.20 | 6722.21 | 4890.49 |
| 240.0 | 22752.70 | 22453.42 | 21179.58 | 18923.49 | 15923.05 | 12669.38 | 9546.16 | 7105.90 | 5133.75 |
| 270.0 | 22576.20 | 22146.47 | 20818.91 | 18501.44 | 15302.24 | 11985.65 | 8900.03 | 6425.24 | 4747.76 |
| 300.0 | 21824.17 | 21509.55 | 20373.83 | 18232.85 | 15516.34 | 12231.97 | 9170.14 | 6714.54 | 4857.49 |
| 330.0 | 21847.19 | 21363.75 | 19982.47 | 17833.82 | 14831.84 | 11720.13 | 8780.32 | 6392.24 | 4682.53 |
| 360.0 | 21770.46 | 21348.40 | 20005.49 | 17803.12 | 15124.98 | 11978.74 | 9170.14 | 6645.48 | 4903.53 |
| C/γ(°) | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 |
| 0.0 | 3913.62 | 2847.73 | 2223.09 | 1797.96 | 1466.46 | 1204.78 | 1009.87 | 853.32 | 733.61 |
| 30.0 | 3928.97 | 2926.77 | 2282.18 | 1810.24 | 1476.43 | 1207.08 | 998.36 | 841.04 | 711.36 |
| 60.0 | 3471.61 | 2694.26 | 2107.98 | 1683.62 | 1370.92 | 1136.33 | 945.33 | 800.60 | 680.43 |
| 90.0 | 3684.94 | 2710.37 | 2122.56 | 1708.18 | 1384.35 | 1136.48 | 950.01 | 796.54 | 682.96 |
| 120.0 | 3325.04 | 2592.96 | 2036.62 | 1593.07 | 1346.13 | 1107.02 | 932.67 | 784.80 | 668.08 |
| 150.0 | 3913.62 | 2821.64 | 2247.64 | 1800.26 | 1466.46 | 1223.96 | 1022.14 | 870.97 | 740.52 |
| 180.0 | 3673.43 | 2803.99 | 2222.32 | 1780.31 | 1468.14 | 1196.65 | 981.09 | 816.72 | 699.23 |
| 210.0 | 3656.55 | 2819.34 | 2189.32 | 1758.06 | 1422.56 | 1158.35 | 959.60 | 807.89 | 683.19 |
| 240.0 | 3905.94 | 2897.61 | 2266.06 | 1788.75 | 1439.60 | 1181.76 | 976.10 | 824.16 | 689.87 |
| 270.0 | 3572.14 | 2734.16 | 2157.86 | 1718.15 | 1393.40 | 1140.17 | 954.39 | 797.07 | 682.35 |
| 300.0 | 3882.92 | 2830.08 | 2234.60 | 1778.78 | 1443.43 | 1184.83 | 1001.43 | 854.86 | 736.68 |
| 330.0 | 3588.25 | 2769.46 | 2180.88 | 1770.34 | 1449.88 | 1208.00 | 1012.55 | 855.24 | 732.38 |
| 360.0 | 3913.62 | 2847.73 | 2223.09 | 1797.96 | 1466.46 | 1204.78 | 1009.87 | 853.32 | 733.61 |
| C/γ(°) | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 0.0 | 636.92 | 562.49 | 494.96 | 439.71 | 393.66 | 356.68 | 323.60 | 295.82 | 273.49 |
| 30.0 | 610.06 | 527.95 | 465.03 | 411.31 | 371.33 | 335.19 | 306.03 | 282.78 | 261.98 |
| 60.0 | 587.35 | 511.92 | 452.91 | 402.26 | 360.51 | 327.36 | 298.05 | 274.26 | 251.39 |
| 90.0 | 586.28 | 511.84 | 449.68 | 398.27 | 359.67 | 324.14 | 295.90 | 270.65 | 247.48 |
| 120.0 | 577.68 | 507.47 | 446.61 | 399.27 | 357.98 | 323.60 | 294.98 | 271.57 | 250.01 |
| 150.0 | 646.90 | 566.32 | 505.70 | 451.22 | 405.17 | 371.87 | 340.02 | 312.86 | 288.92 |
| 180.0 | 603.54 | 526.27 | 466.03 | 414.31 | 371.56 | 336.42 | 308.56 | 283.47 | 262.37 |
| 210.0 | 588.04 | 513.45 | 450.68 | 400.72 | 358.75 | 326.67 | 299.43 | 277.18 | 257.15 |
| 240.0 | 598.55 | 521.05 | 459.66 | 408.24 | 366.88 | 332.66 | 303.27 | 277.87 | 255.31 |
| 270.0 | 588.96 | 512.30 | 450.99 | 403.72 | 360.21 | 325.21 | 297.36 | 271.96 | 249.40 |
| 300.0 | 642.29 | 560.18 | 500.33 | 455.05 | 412.85 | 382.84 | 344.09 | 307.79 | 272.65 |
| 330.0 | 641.07 | 560.80 | 495.88 | 445.15 | 399.34 | 361.36 | 330.13 | 303.34 | 279.48 |
| 360.0 | 636.92 | 562.49 | 494.96 | 439.71 | 393.66 | 356.68 | 323.60 | 295.82 | 273.49 |
| C/γ(°) | 54.0 | 56.0 | 58.0 | 60.0 | 62.0 | 64.0 | 66.0 | 68.0 | 70.0 |
| 0.0 | 254.39 | 237.35 | 219.24 | 198.67 | 182.18 | 167.29 | 153.40 | 140.12 | 120.94 |
| 30.0 | 243.87 | 227.76 | 213.87 | 199.52 | 185.17 | 171.66 | 157.54 | 143.42 | 129.69 |
| 60.0 | 233.51 | 216.02 | 198.83 | 180.10 | 160.84 | 142.73 | 126.46 | 112.11 | 97.15 |
| 90.0 | 224.92 | 203.58 | 182.48 | 162.99 | 147.03 | 132.76 | 119.56 | 104.52 | 91.39 |
| 120.0 | 231.21 | 214.79 | 196.91 | 178.72 | 160.00 | 142.35 | 126.31 | 111.50 | 97.15 |
| 150.0 | 268.43 | 249.01 | 232.98 | 217.09 | 201.59 | 177.34 | 160.77 | 147.49 | 133.37 |
| 180.0 | 242.72 | 225.53 | 210.57 | 195.68 | 181.10 | 167.06 | 154.63 | 141.89 | 128.84 |
| 210.0 | 240.19 | 225.07 | 209.95 | 196.60 | 182.10 | 168.90 | 155.16 | 140.66 | 127.08 |
| 240.0 | 237.58 | 220.54 | 204.05 | 186.47 | 168.29 | 148.72 | 131.91 | 117.18 | 102.29 |
| 270.0 | 227.91 | 206.81 | 186.40 | 166.75 | 149.79 | 135.29 | 121.94 | 107.28 | 93.31 |
| 300.0 | 250.78 | 232.98 | 214.79 | 196.68 | 178.65 | 158.69 | 141.73 | 126.31 | 110.81 |
| 330.0 | 259.53 | 242.95 | 227.14 | 212.95 | 196.91 | 178.88 | 159.77 | 145.80 | 131.60 |
| 360.0 | 254.39 | 237.35 | 219.24 | 198.67 | 182.18 | 167.29 | 153.40 | 140.12 | 120.94 |

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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 | 107.89 | 95.62 | 83.26 | 71.75 | 58.78 | 45.89 | 32.54 | 17.73 | 5.45 |
| 30.0 | 114.57 | 97.53 | 76.35 | 60.93 | 45.89 | 34.76 | 21.64 | 7.14 | 3.53 |
| 60.0 | 82.34 | 69.29 | 60.32 | 49.65 | 31.62 | 17.19 | 12.58 | 7.67 | 4.45 |
| 90.0 | 80.19 | 72.90 | 61.08 | 45.89 | 27.86 | 19.34 | 13.35 | 9.29 | 5.22 |
| 120.0 | 81.96 | 69.06 | 59.93 | 49.57 | 32.54 | 17.88 | 12.82 | 7.60 | 4.68 |
| 150.0 | 119.56 | 102.67 | 77.27 | 59.63 | 45.20 | 33.76 | 21.87 | 7.44 | 3.53 |
| 180.0 | 109.73 | 95.54 | 83.72 | 71.60 | 59.39 | 46.66 | 33.92 | 20.41 | 7.37 |
| 210.0 | 112.04 | 94.85 | 74.59 | 59.55 | 43.89 | 33.46 | 21.03 | 7.06 | 3.53 |
| 240.0 | 88.25 | 73.90 | 63.92 | 53.49 | 40.06 | 19.57 | 14.12 | 8.13 | 5.91 |
| 270.0 | 82.19 | 73.82 | 61.70 | 47.42 | 28.16 | 19.72 | 13.89 | 9.59 | 5.68 |
| 300.0 | 88.79 | 73.36 | 63.77 | 53.33 | 39.90 | 21.10 | 15.04 | 8.52 | 5.99 |
| 330.0 | 116.87 | 100.14 | 74.36 | 58.09 | 43.74 | 32.69 | 20.03 | 7.14 | 3.68 |
| 360.0 | 107.89 | 95.62 | 83.26 | 71.75 | 58.78 | 45.89 | 32.54 | 17.73 | 5.45 |

| C/γ(°) | 90.0 |
|--------|------|
| 0.0 | 0.38 |
| 30.0 | 0.46 |
| 60.0 | 0.31 |
| 90.0 | 0.23 |
| 120.0 | 0.31 |
| 150.0 | 0.84 |
| 180.0 | 0.46 |
| 210.0 | 0.38 |
| 240.0 | 0.69 |
| 270.0 | 0.31 |
| 300.0 | 0.38 |
| 330.0 | 0.31 |
| 360.0 | 0.38 |