

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1021A-3-UN (10-OL-3WN-AJ, P1)

报告编号:

电压(V): 202.2000

测试编号: 20210222004

电流(A): 0.0730

光源规格型号: OL

功率(W): 7.1000

每个光源光通量(lm)

功率因数: 0.4850

光源数量: 6

镇流器型号:

发光面长度(mm): 88

发光面宽度(mm): 88

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 628.13

灯具效能(lm/w): 88.47

中心光强(cd): 7059.859

最大光强(cd): 7126.621

最大光强角度: C=120.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.2

[C90/270]Total=10.2

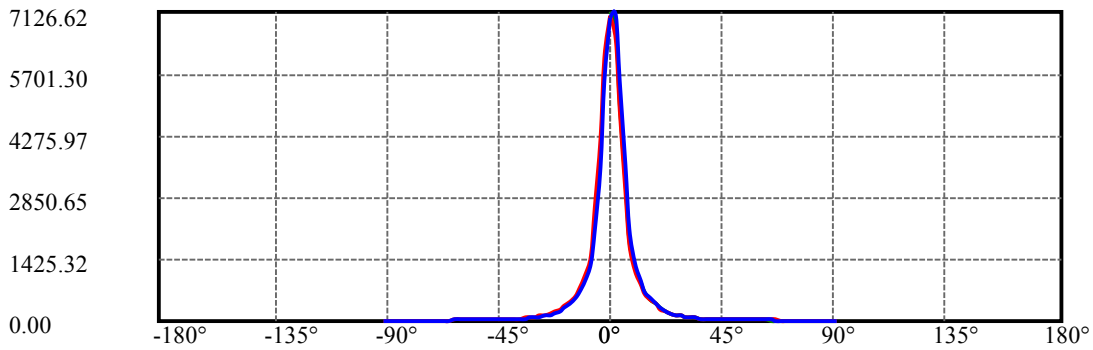
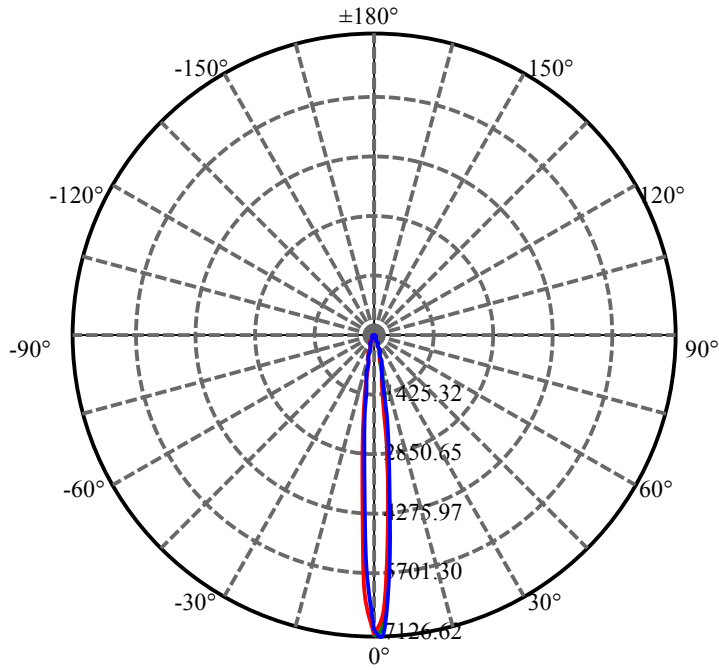
光束扩散角(10%Imax): [C0/180]Total=25.7

[C90/270]Total=25.6

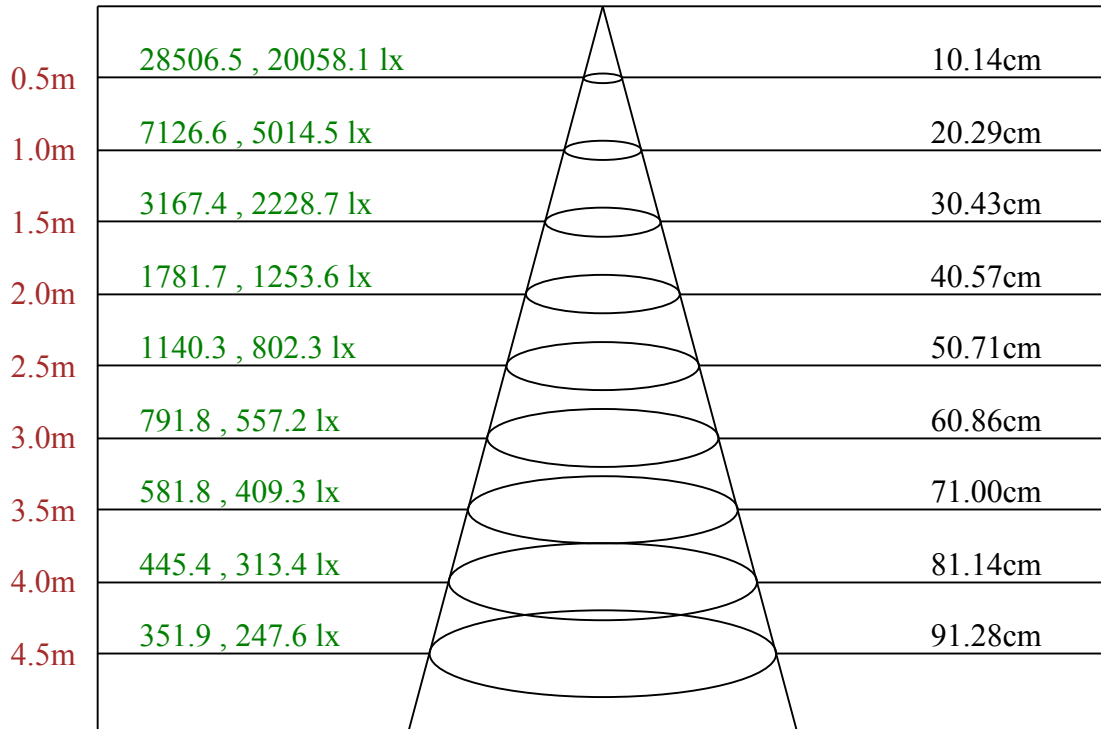
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/22
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

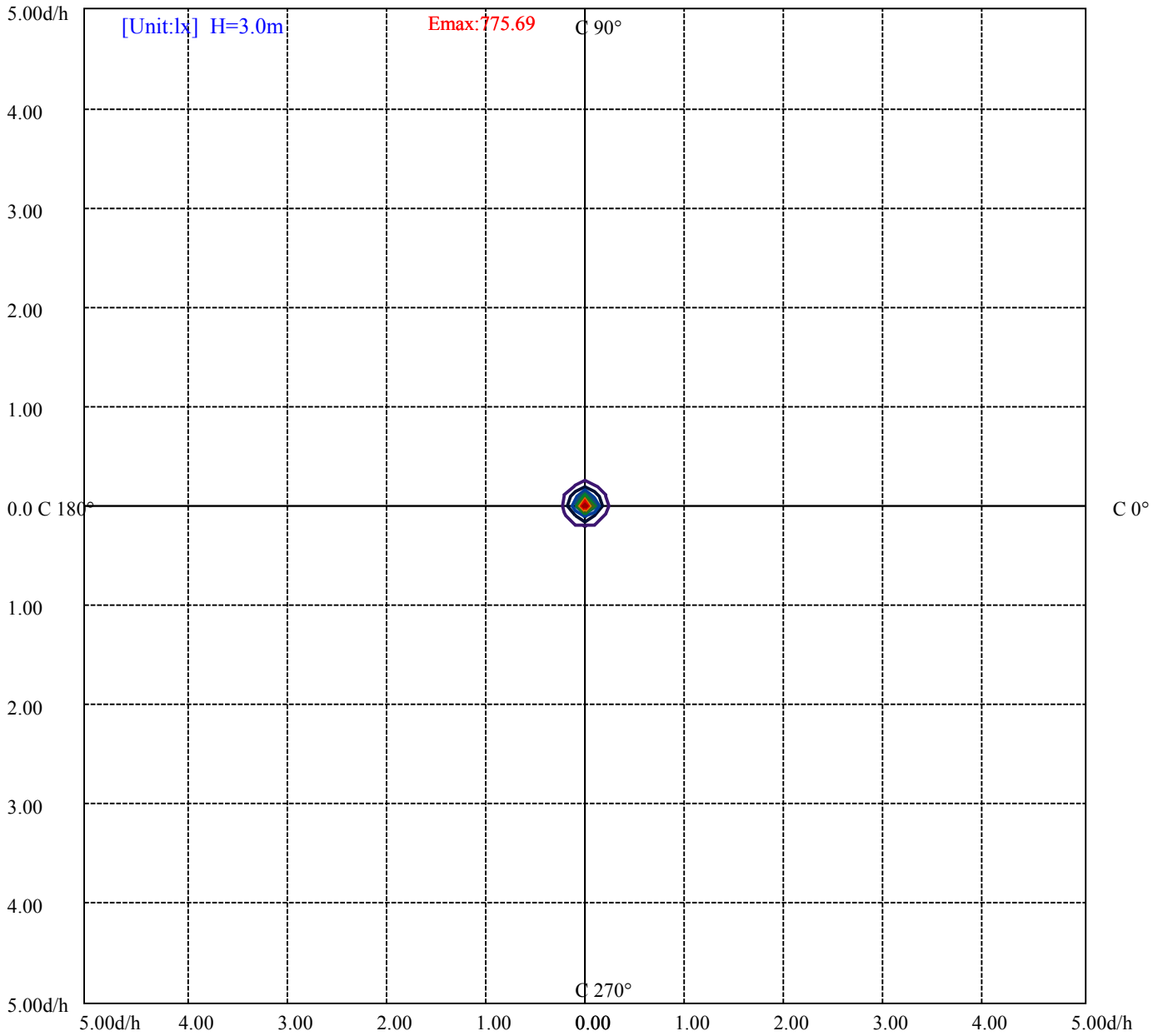


C120(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C120面光束角11.58

ROLED 投光灯
平面等照度曲线



- (10%Emax) 77.56878
- (20%Emax) 155.1378
- (30%Emax) 232.7067
- (40%Emax) 310.2755
- (50%Emax) 387.8445
- (60%Emax) 465.4134
- (70%Emax) 542.9811
- (80%Emax) 620.55
- (90%Emax) 698.1189

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/22
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

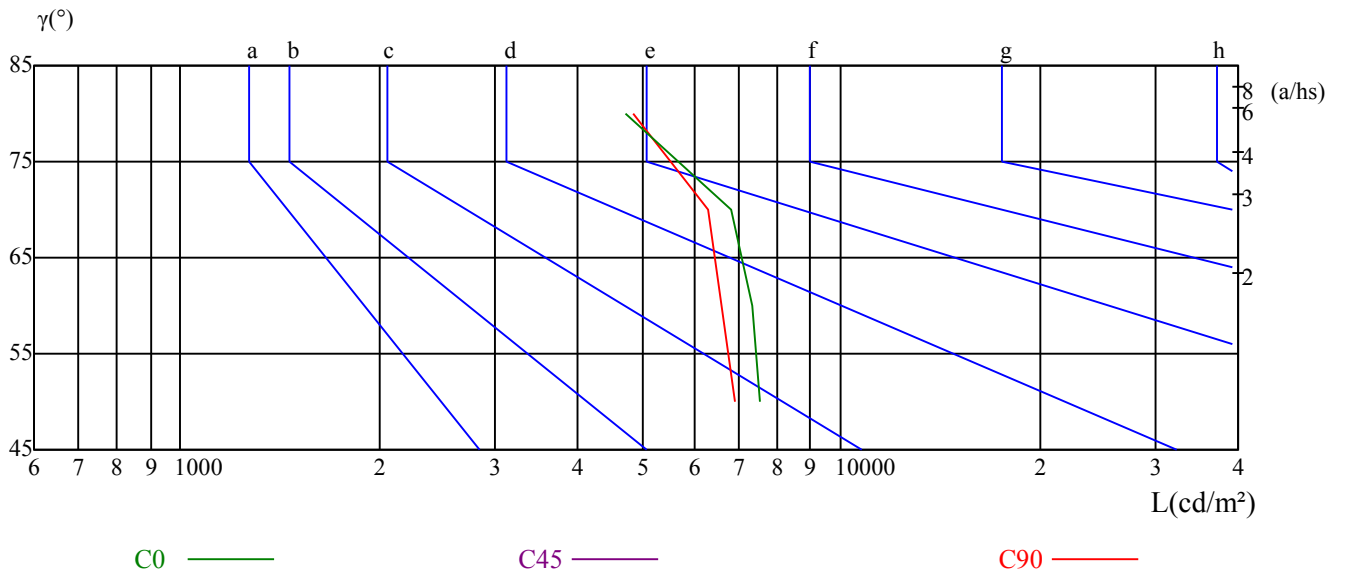
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0 | 0 | 7554 | 0 | 7333 | 0 | 6838 | 0 | 4736 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 6937 | 0 | 6600 | 0 | 6316 | 0 | 4851 | 0 |

| 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 |

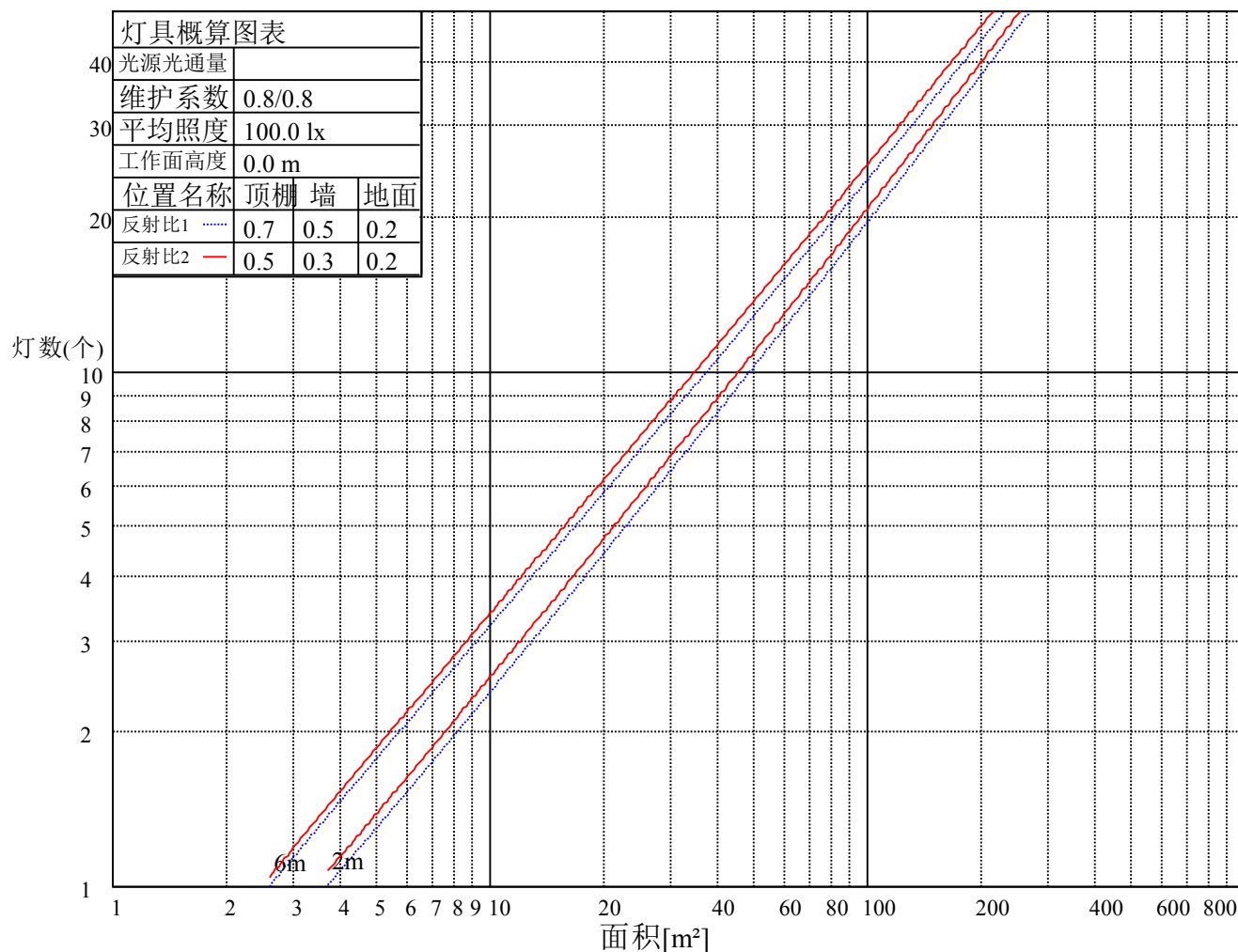
眩光等级表

| 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 | 16.33 | 17.41 | 16.70 | 17.72 | 18.04 | 16.64 | 17.72 | 17.00 | 18.03 | 18.35 |
| | 3H | 18.18 | 19.13 | 18.56 | 19.47 | 19.83 | 18.36 | 19.32 | 18.74 | 19.65 | 20.02 |
| | 4H | 18.81 | 19.70 | 19.21 | 20.05 | 20.44 | 18.94 | 19.83 | 19.35 | 20.19 | 20.57 |
| | 6H | 19.16 | 19.97 | 19.58 | 20.35 | 20.74 | 19.27 | 20.08 | 19.68 | 20.46 | 20.85 |
| | 8H | 19.22 | 19.99 | 19.66 | 20.38 | 20.79 | 19.32 | 20.09 | 19.75 | 20.48 | 20.89 |
| | 12H | 19.26 | 20.00 | 19.70 | 20.38 | 20.81 | 19.35 | 20.08 | 19.78 | 20.46 | 20.89 |
| 4H | 2H | 16.92 | 17.81 | 17.33 | 18.16 | 18.55 | 17.16 | 18.05 | 17.57 | 18.40 | 18.79 |
| | 3H | 18.97 | 19.70 | 19.39 | 20.11 | 20.51 | 19.11 | 19.84 | 19.53 | 20.25 | 20.65 |
| | 4H | 19.71 | 20.36 | 20.15 | 20.78 | 21.23 | 19.80 | 20.45 | 20.24 | 20.87 | 21.32 |
| | 6H | 20.08 | 20.64 | 20.55 | 21.09 | 21.56 | 20.14 | 20.70 | 20.61 | 21.15 | 21.62 |
| | 8H | 20.16 | 20.68 | 20.64 | 21.13 | 21.61 | 20.21 | 20.73 | 20.69 | 21.18 | 21.66 |
| | 12H | 20.20 | 20.65 | 20.69 | 21.14 | 21.62 | 20.24 | 20.69 | 20.73 | 21.18 | 21.65 |
| 8H | 4H | 19.93 | 20.45 | 20.40 | 20.90 | 21.37 | 20.01 | 20.53 | 20.48 | 20.98 | 21.45 |
| | 6H | 20.40 | 20.81 | 20.90 | 21.31 | 21.80 | 20.44 | 20.85 | 20.95 | 21.36 | 21.84 |
| | 8H | 20.53 | 20.90 | 21.06 | 21.42 | 21.91 | 20.55 | 20.92 | 21.08 | 21.44 | 21.94 |
| | 12H | 21.11 | 21.43 | 21.63 | 21.93 | 22.51 | 21.15 | 21.47 | 21.67 | 21.96 | 22.54 |
| 12H | 4H | 19.91 | 20.36 | 20.40 | 20.85 | 21.33 | 19.99 | 20.44 | 20.48 | 20.93 | 21.41 |
| | 6H | 20.75 | 20.77 | 20.93 | 21.24 | 21.79 | 20.80 | 20.81 | 20.98 | 21.28 | 21.83 |
| | 8H | 20.56 | 20.88 | 21.09 | 21.38 | 21.96 | 20.59 | 20.90 | 21.11 | 21.40 | 21.98 |
| 对应照射距离，改变观察者位置S | | | | | | | | | | | |
| S = 1.0H | 0.2/-0.6 | | | | | 0.2/-0.6 | | | | | |
| S = 1.5H | 0.8/-0.7 | | | | | 0.8/-0.6 | | | | | |
| S = 2.0H | 1.1/-0.8 | | | | | 1.1/-0.6 | | | | | |
| 标准表格 | BK3 | | | | | BK3 | | | | | |
| 更正系数 | 0.5 | | | | | 0.7 | | | | | |



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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 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.94 |
| 2 | 1.04 | 1.01 | 0.98 | 1.03 | 0.99 | 0.96 | 0.99 | 0.97 | 0.94 | 0.97 | 0.94 | 0.92 | 0.94 | 0.92 | 0.90 | 0.89 |
| 3 | 0.99 | 0.94 | 0.91 | 0.97 | 0.93 | 0.90 | 0.95 | 0.91 | 0.88 | 0.92 | 0.90 | 0.87 | 0.90 | 0.88 | 0.86 | 0.84 |
| 4 | 0.94 | 0.89 | 0.85 | 0.93 | 0.88 | 0.85 | 0.91 | 0.87 | 0.84 | 0.89 | 0.86 | 0.83 | 0.87 | 0.84 | 0.82 | 0.81 |
| 5 | 0.90 | 0.85 | 0.81 | 0.89 | 0.84 | 0.81 | 0.87 | 0.83 | 0.80 | 0.86 | 0.82 | 0.79 | 0.84 | 0.81 | 0.79 | 0.77 |
| 6 | 0.86 | 0.81 | 0.78 | 0.85 | 0.81 | 0.77 | 0.84 | 0.80 | 0.77 | 0.83 | 0.79 | 0.76 | 0.82 | 0.78 | 0.76 | 0.75 |
| 7 | 0.83 | 0.78 | 0.75 | 0.82 | 0.78 | 0.75 | 0.81 | 0.77 | 0.74 | 0.80 | 0.77 | 0.74 | 0.79 | 0.76 | 0.73 | 0.72 |
| 8 | 0.80 | 0.76 | 0.72 | 0.80 | 0.75 | 0.72 | 0.79 | 0.75 | 0.72 | 0.78 | 0.74 | 0.72 | 0.77 | 0.74 | 0.71 | 0.70 |
| 9 | 0.78 | 0.73 | 0.70 | 0.78 | 0.73 | 0.70 | 0.77 | 0.73 | 0.70 | 0.76 | 0.72 | 0.70 | 0.75 | 0.72 | 0.69 | 0.68 |
| 10 | 0.76 | 0.71 | 0.68 | 0.75 | 0.71 | 0.68 | 0.75 | 0.71 | 0.68 | 0.74 | 0.70 | 0.68 | 0.73 | 0.70 | 0.68 | 0.67 |

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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 | 7059.86 | 6478.96 | 4855.96 | 2975.88 | 1769.57 | 1171.02 | 824.93 | 623.88 | 470.40 |
| 30.0 | 6917.13 | 6558.00 | 5000.99 | 3155.45 | 1864.72 | 1222.43 | 864.83 | 640.76 | 488.05 |
| 60.0 | 7045.28 | 6713.77 | 5056.24 | 3240.63 | 1913.07 | 1258.50 | 883.63 | 654.03 | 497.80 |
| 90.0 | 6996.93 | 7017.65 | 5524.34 | 3567.53 | 2146.35 | 1333.70 | 922.39 | 674.52 | 515.68 |
| 120.0 | 7126.62 | 6786.67 | 5007.13 | 3180.01 | 1875.47 | 1237.09 | 870.28 | 645.29 | 497.87 |
| 150.0 | 7064.46 | 6639.34 | 4925.79 | 3170.80 | 1867.79 | 1213.22 | 854.86 | 633.09 | 488.82 |
| 180.0 | 7059.86 | 6066.11 | 4207.52 | 2612.15 | 1506.90 | 1058.60 | 755.71 | 562.95 | 435.26 |
| 210.0 | 6917.13 | 5839.73 | 3822.30 | 2334.36 | 1465.23 | 1003.88 | 718.95 | 540.08 | 416.92 |
| 240.0 | 7045.28 | 5803.66 | 3916.69 | 2303.66 | 1464.15 | 994.52 | 714.43 | 534.86 | 409.01 |
| 270.0 | 6996.93 | 5512.83 | 3555.25 | 2059.64 | 1321.88 | 915.94 | 679.97 | 515.91 | 393.89 |
| 300.0 | 7126.62 | 5896.52 | 3974.24 | 2301.36 | 1425.78 | 1002.19 | 733.61 | 556.35 | 426.66 |
| 330.0 | 7064.46 | 5921.07 | 4044.07 | 2361.22 | 1473.29 | 1025.44 | 749.19 | 577.68 | 435.33 |
| 360.0 | 7059.86 | 6478.96 | 4855.96 | 2975.88 | 1769.57 | 1171.02 | 824.93 | 623.88 | 470.40 |
| C/γ(°) | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 |
| 0.0 | 390.59 | 284.39 | 226.22 | 179.18 | 145.42 | 121.09 | 100.83 | 86.18 | 74.67 |
| 30.0 | 391.36 | 295.67 | 233.82 | 185.70 | 149.41 | 123.24 | 101.75 | 87.02 | 74.67 |
| 60.0 | 381.92 | 298.66 | 233.59 | 186.47 | 149.41 | 122.09 | 101.37 | 85.72 | 74.36 |
| 90.0 | 395.97 | 309.87 | 241.11 | 190.92 | 153.09 | 126.23 | 105.13 | 88.56 | 76.35 |
| 120.0 | 382.69 | 295.44 | 231.21 | 185.01 | 148.64 | 121.55 | 102.21 | 86.41 | 74.59 |
| 150.0 | 390.59 | 291.68 | 228.37 | 183.86 | 148.03 | 122.47 | 102.14 | 86.56 | 74.59 |
| 180.0 | 332.35 | 262.75 | 208.04 | 169.13 | 137.97 | 114.65 | 97.69 | 83.49 | 72.67 |
| 210.0 | 320.38 | 251.85 | 199.29 | 161.84 | 132.76 | 110.96 | 93.31 | 79.81 | 69.29 |
| 240.0 | 318.46 | 249.40 | 200.21 | 160.00 | 131.37 | 109.50 | 92.24 | 79.19 | 69.22 |
| 270.0 | 307.03 | 240.73 | 192.61 | 152.63 | 126.46 | 104.98 | 88.32 | 76.35 | 66.07 |
| 300.0 | 332.20 | 258.99 | 206.12 | 163.53 | 132.76 | 109.58 | 92.32 | 79.19 | 68.68 |
| 330.0 | 338.41 | 263.67 | 208.80 | 165.37 | 134.37 | 111.42 | 93.31 | 80.04 | 69.52 |
| 360.0 | 390.59 | 284.39 | 226.22 | 179.18 | 145.42 | 121.09 | 100.83 | 86.18 | 74.67 |
| C/γ(°) | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 0.0 | 65.99 | 59.24 | 53.72 | 49.34 | 45.51 | 42.36 | 39.60 | 37.60 | 35.61 |
| 30.0 | 65.69 | 58.40 | 52.49 | 47.88 | 43.74 | 40.29 | 37.45 | 35.15 | 33.00 |
| 60.0 | 65.15 | 58.24 | 52.49 | 47.65 | 43.82 | 40.29 | 37.52 | 34.99 | 32.92 |
| 90.0 | 66.22 | 58.32 | 52.10 | 47.42 | 43.28 | 39.90 | 36.91 | 34.53 | 32.38 |
| 120.0 | 64.77 | 57.86 | 52.18 | 47.73 | 43.74 | 40.21 | 37.37 | 34.92 | 32.77 |
| 150.0 | 65.61 | 58.17 | 52.41 | 47.73 | 43.66 | 40.21 | 37.37 | 35.15 | 32.92 |
| 180.0 | 64.31 | 57.94 | 52.64 | 48.27 | 44.43 | 41.21 | 38.52 | 36.30 | 34.15 |
| 210.0 | 61.54 | 55.17 | 49.80 | 45.51 | 41.90 | 38.83 | 36.07 | 33.99 | 31.77 |
| 240.0 | 60.62 | 54.25 | 49.34 | 44.81 | 41.21 | 38.14 | 35.68 | 33.53 | 31.54 |
| 270.0 | 58.40 | 52.18 | 46.96 | 42.97 | 39.52 | 36.68 | 34.30 | 32.46 | 30.70 |
| 300.0 | 60.70 | 54.48 | 49.27 | 44.74 | 41.44 | 38.29 | 35.84 | 33.61 | 31.62 |
| 330.0 | 61.77 | 55.40 | 49.96 | 45.74 | 42.05 | 38.98 | 36.37 | 34.30 | 32.23 |
| 360.0 | 65.99 | 59.24 | 53.72 | 49.34 | 45.51 | 42.36 | 39.60 | 37.60 | 35.61 |
| C/γ(°) | 54.0 | 56.0 | 58.0 | 60.0 | 62.0 | 64.0 | 66.0 | 68.0 | 70.0 |
| 0.0 | 33.69 | 32.00 | 30.31 | 28.39 | 26.78 | 25.02 | 22.79 | 20.49 | 18.11 |
| 30.0 | 31.16 | 29.31 | 27.55 | 25.71 | 24.02 | 22.41 | 20.72 | 18.95 | 17.11 |
| 60.0 | 30.93 | 29.08 | 27.24 | 25.63 | 23.87 | 22.18 | 20.49 | 18.80 | 17.04 |
| 90.0 | 30.62 | 28.93 | 27.17 | 25.55 | 23.87 | 22.18 | 20.57 | 18.72 | 16.73 |
| 120.0 | 30.85 | 28.93 | 27.17 | 25.25 | 23.56 | 22.02 | 20.18 | 18.49 | 16.81 |
| 150.0 | 30.93 | 29.16 | 27.32 | 25.55 | 23.71 | 22.10 | 20.34 | 18.65 | 16.73 |
| 180.0 | 32.23 | 30.54 | 28.47 | 25.63 | 22.94 | 20.41 | 18.26 | 15.65 | 12.82 |
| 210.0 | 30.00 | 28.24 | 26.32 | 24.63 | 23.02 | 21.26 | 19.26 | 17.50 | 15.58 |
| 240.0 | 29.62 | 27.93 | 26.09 | 24.25 | 22.71 | 20.87 | 19.26 | 17.42 | 15.58 |
| 270.0 | 29.08 | 27.40 | 25.71 | 24.10 | 22.33 | 20.57 | 18.80 | 16.96 | 14.96 |
| 300.0 | 29.77 | 28.01 | 26.32 | 24.56 | 23.02 | 21.26 | 19.49 | 17.73 | 15.88 |
| 330.0 | 30.39 | 28.70 | 26.86 | 25.17 | 23.48 | 21.72 | 19.95 | 18.11 | 16.19 |
| 360.0 | 33.69 | 32.00 | 30.31 | 28.39 | 26.78 | 25.02 | 22.79 | 20.49 | 18.11 |

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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 | 15.58 | 13.28 | 11.05 | 8.36 | 6.37 | 4.22 | 2.53 | 0.69 | 0.23 |
| 30.0 | 15.04 | 12.66 | 10.51 | 8.44 | 6.29 | 4.07 | 2.23 | 0.69 | 0.15 |
| 60.0 | 15.04 | 12.97 | 10.74 | 8.29 | 6.22 | 4.30 | 2.76 | 0.84 | 0.15 |
| 90.0 | 14.89 | 12.82 | 10.59 | 8.67 | 6.52 | 4.45 | 2.61 | 1.23 | 0.15 |
| 120.0 | 14.73 | 12.74 | 10.67 | 8.36 | 6.06 | 4.22 | 2.46 | 0.54 | 0.08 |
| 150.0 | 14.66 | 12.51 | 10.28 | 8.21 | 4.83 | 0.61 | 1.23 | 0.38 | 0.08 |
| 180.0 | 11.05 | 10.13 | 7.67 | 5.91 | 4.37 | 2.99 | 1.07 | 0.15 | 0.15 |
| 210.0 | 13.35 | 11.28 | 9.06 | 6.98 | 4.83 | 2.84 | 1.53 | 0.23 | 0.08 |
| 240.0 | 13.35 | 11.43 | 8.98 | 6.83 | 4.91 | 3.15 | 1.23 | 0.23 | 0.08 |
| 270.0 | 12.74 | 10.67 | 8.59 | 6.52 | 4.37 | 2.61 | 1.07 | 0.15 | 0.00 |
| 300.0 | 13.74 | 11.74 | 9.44 | 7.21 | 5.22 | 3.45 | 1.53 | 0.23 | 0.08 |
| 330.0 | 14.04 | 11.59 | 9.59 | 7.37 | 5.37 | 3.45 | 1.76 | 0.31 | 0.15 |
| 360.0 | 15.58 | 13.28 | 11.05 | 8.36 | 6.37 | 4.22 | 2.53 | 0.69 | 0.23 |

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