

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F3483S6-48-24DC (45-OL-48WN-AA, L1000.C.CT)

报告编号:

电压(V): 24.0000

测试编号: 20210402007

电流(A): 1.9170

光源规格型号: OD

功率(W): 46.0000

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): 4352.87

灯具效能(lm/w): 94.63

中心光强(cd): 5646.353

最大光强(cd): 5805.967

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=43.5

[C90/270]Total=42.8

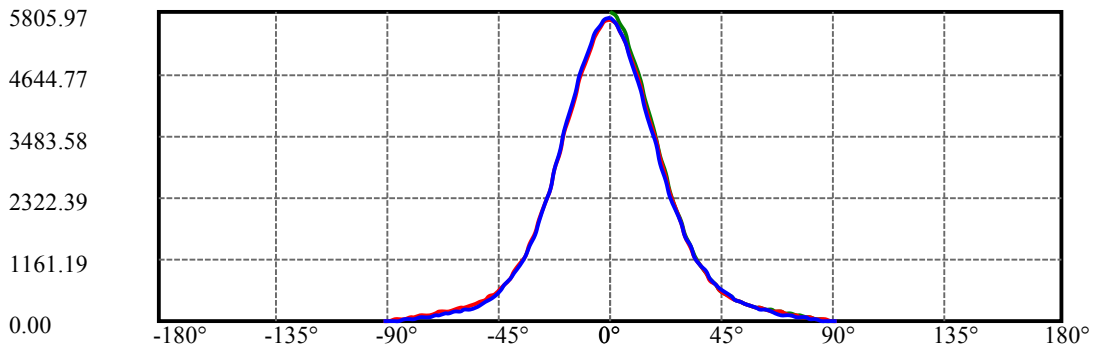
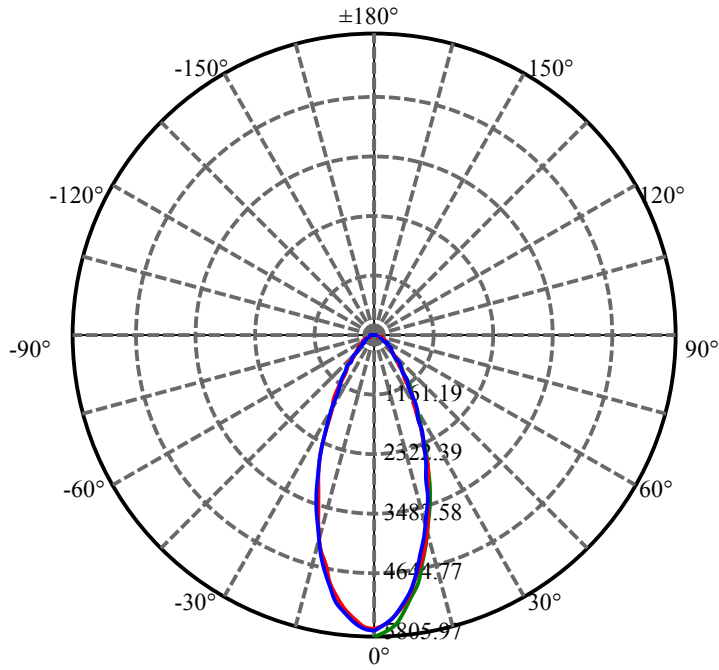
光束扩散角(10%Imax): [C0/180]Total=89.4

[C90/270]Total=89.3

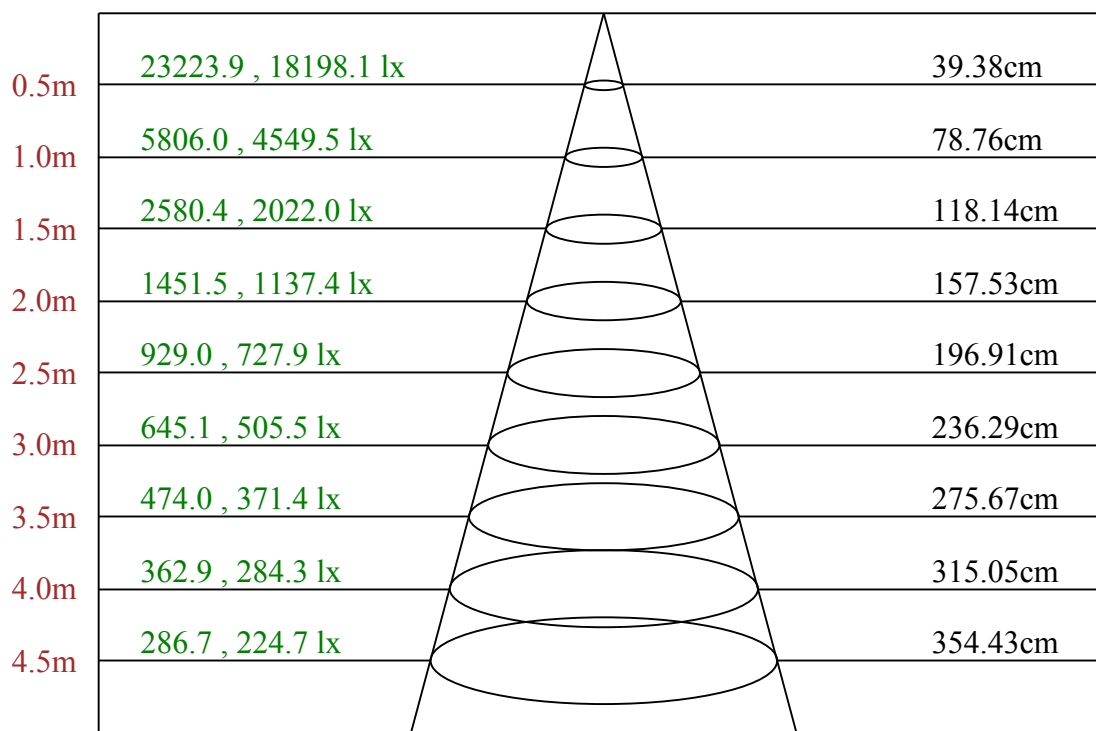
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/2
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

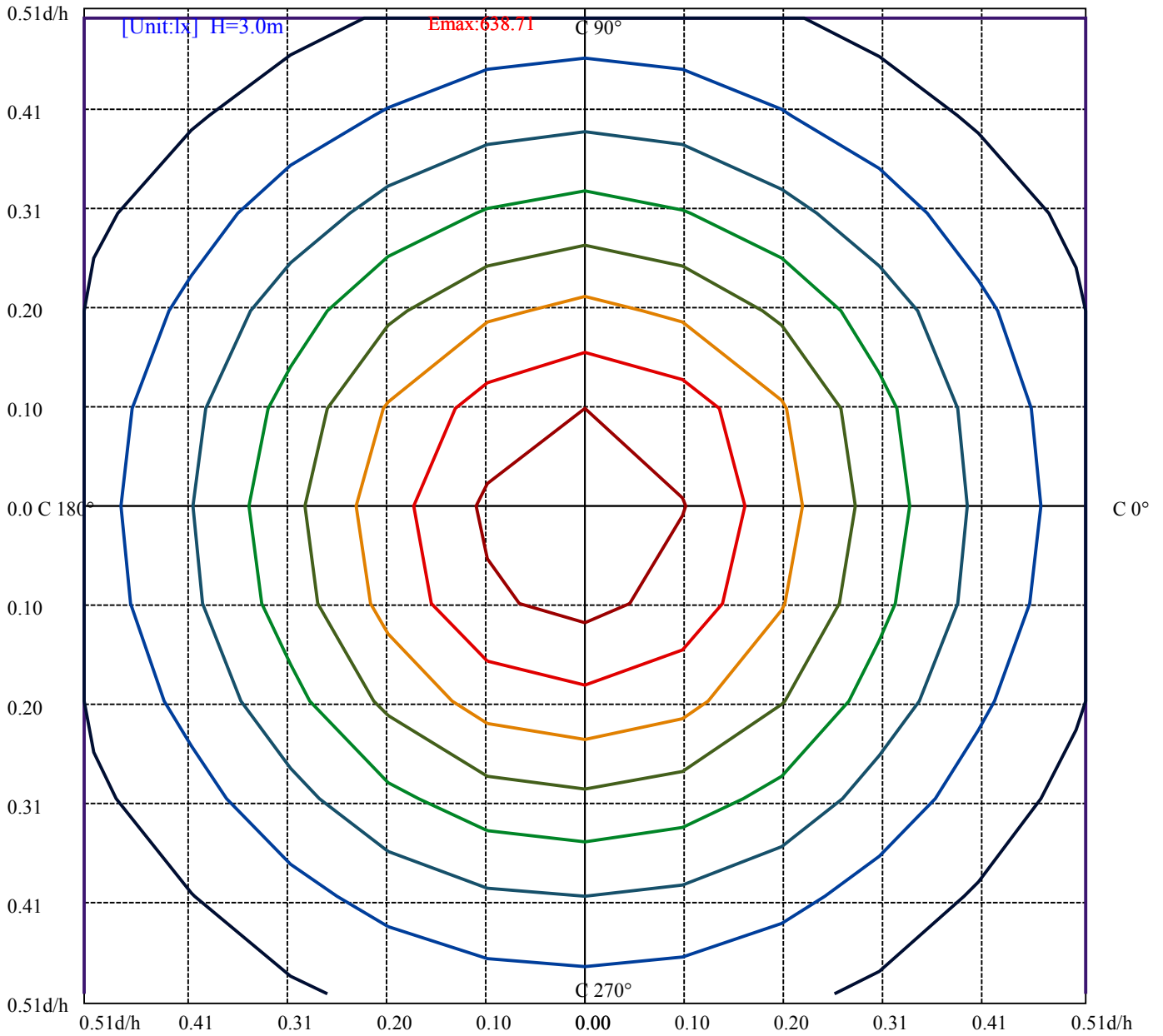


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角42.99

ROLED 投光灯
平面等照度曲线



| | |
|--------------------|---|
| (10%Emax) 63.87111 | — |
| (20%Emax) 127.7422 | — |
| (30%Emax) 191.6133 | — |
| (40%Emax) 255.4845 | — |
| (50%Emax) 319.3556 | — |
| (60%Emax) 383.2267 | — |
| (70%Emax) 447.0978 | — |
| (80%Emax) 510.9689 | — |
| (90%Emax) 574.84 | — |

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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

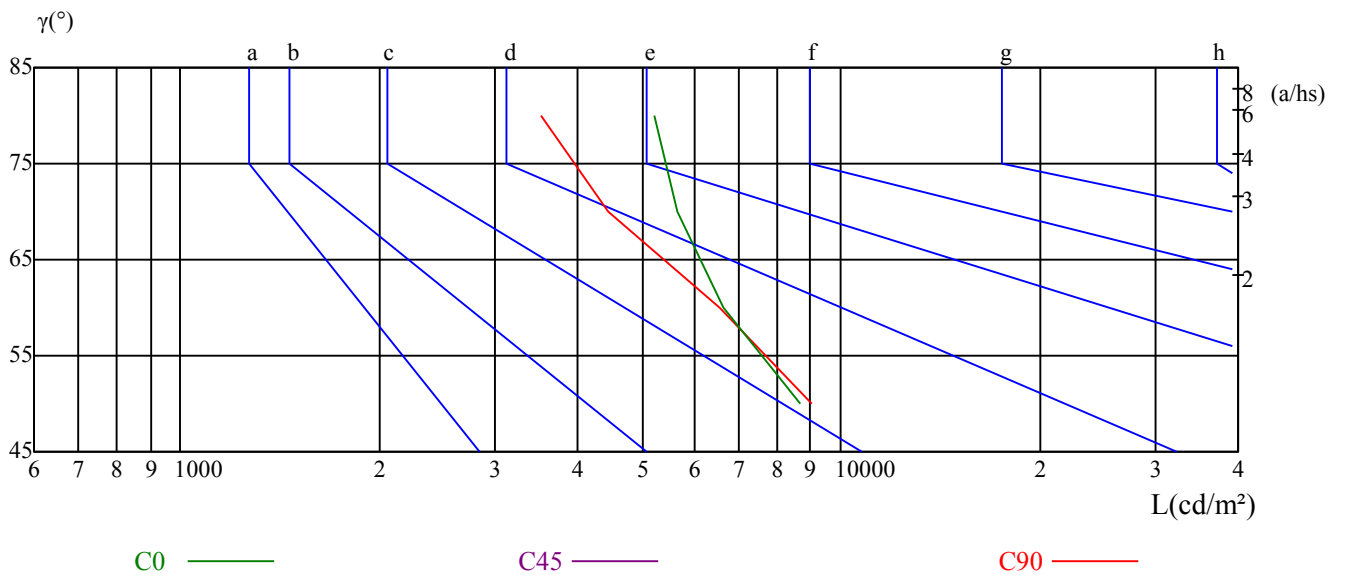
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0 | 0 | 8668 | 0 | 6643 | 0 | 5674 | 0 | 5217 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 9038 | 0 | 6568 | 0 | 4439 | 0 | 3526 | 0 |

| 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 |

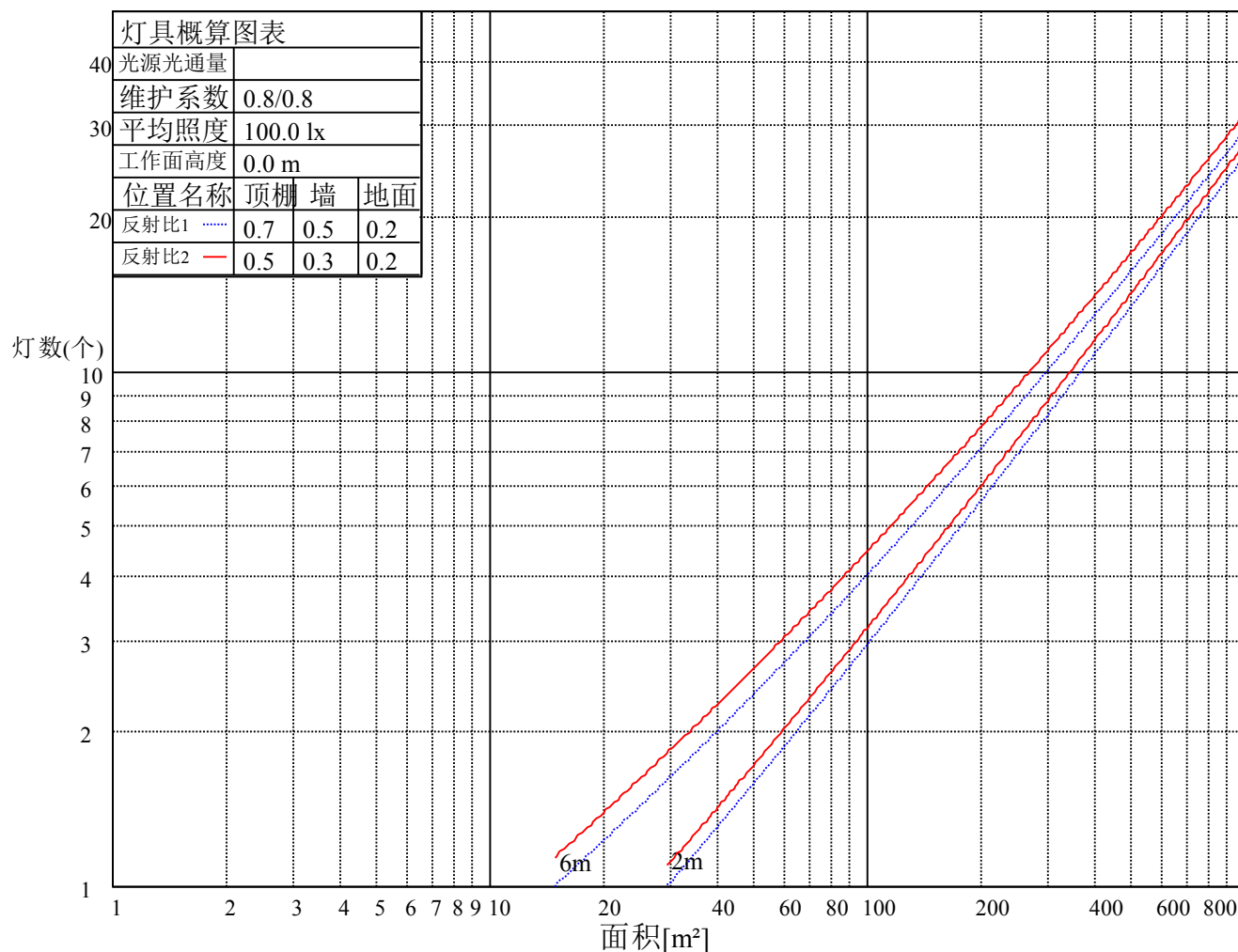
亮度限制曲线



| 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 | 10.43 | 11.63 | 10.79 | 11.95 | 12.26 | 11.07 | 12.28 | 11.44 | 12.59 | 12.90 |
| | 3H | 11.59 | 12.66 | 11.97 | 12.99 | 13.36 | 12.56 | 13.63 | 12.94 | 13.96 | 14.33 |
| | 4H | 12.00 | 13.00 | 12.41 | 13.35 | 13.74 | 13.12 | 14.11 | 13.52 | 14.46 | 14.85 |
| | 6H | 12.23 | 13.15 | 12.65 | 13.52 | 13.91 | 13.57 | 14.48 | 13.98 | 14.85 | 15.25 |
| | 8H | 12.27 | 13.14 | 12.71 | 13.53 | 13.94 | 13.73 | 14.60 | 14.17 | 14.99 | 15.39 |
| | 12H | 12.32 | 13.14 | 12.75 | 13.53 | 13.96 | 13.95 | 14.78 | 14.38 | 15.16 | 15.59 |
| 4H | 2H | 10.93 | 11.92 | 11.33 | 12.28 | 12.66 | 11.45 | 12.45 | 11.86 | 12.80 | 13.19 |
| | 3H | 12.32 | 13.14 | 12.74 | 13.54 | 13.95 | 13.21 | 14.03 | 13.63 | 14.43 | 14.84 |
| | 4H | 12.82 | 13.55 | 13.26 | 13.97 | 14.42 | 13.90 | 14.63 | 14.33 | 15.05 | 15.49 |
| | 6H | 13.08 | 13.71 | 13.55 | 14.16 | 14.63 | 14.36 | 14.99 | 14.83 | 15.44 | 15.91 |
| | 8H | 13.14 | 13.73 | 13.62 | 14.18 | 14.65 | 14.57 | 15.16 | 15.04 | 15.61 | 16.08 |
| | 12H | 13.19 | 13.71 | 13.68 | 14.19 | 14.67 | 14.80 | 15.32 | 15.29 | 15.80 | 16.28 |
| 8H | 4H | 13.07 | 13.66 | 13.55 | 14.11 | 14.58 | 14.04 | 14.62 | 14.51 | 15.07 | 15.55 |
| | 6H | 13.43 | 13.90 | 13.94 | 14.40 | 14.89 | 14.61 | 15.09 | 15.12 | 15.59 | 16.07 |
| | 8H | 13.54 | 13.96 | 14.07 | 14.48 | 14.98 | 14.88 | 15.31 | 15.41 | 15.82 | 16.32 |
| | 12H | 14.15 | 14.52 | 14.67 | 15.02 | 15.59 | 15.62 | 15.99 | 16.14 | 16.49 | 17.06 |
| 12H | 4H | 13.08 | 13.60 | 13.57 | 14.08 | 14.56 | 14.02 | 14.53 | 14.50 | 15.02 | 15.49 |
| | 6H | 13.95 | 13.89 | 14.00 | 14.36 | 14.91 | 15.10 | 15.04 | 15.14 | 15.51 | 16.05 |
| | 8H | 13.61 | 13.98 | 14.13 | 14.48 | 15.05 | 14.91 | 15.28 | 15.43 | 15.78 | 16.35 |
| 对应照射距离，改变观察者位置S | | | | | | | | | | | |
| S = 1.0H | 0.7/-0.9 | | | | | 0.6/-0.8 | | | | | |
| S = 1.5H | 1.4/-1.3 | | | | | 1.2/-1.2 | | | | | |
| S = 2.0H | 3.1/-1.9 | | | | | 2.5/-1.3 | | | | | |
| 标准表格 | BK3 | | | | | BK3 | | | | | |
| 更正系数 | 1.9 | | | | | 2.2 | | | | | |

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灯具的概算曲线



| 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 | 1.09 | 1.06 | 1.03 | 1.07 | 1.04 | 1.02 | 1.03 | 1.01 | 0.99 | 0.99 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 |
| 2 | 1.00 | 0.95 | 0.91 | 0.98 | 0.94 | 0.90 | 0.95 | 0.91 | 0.88 | 0.92 | 0.89 | 0.86 | 0.89 | 0.86 | 0.84 | 0.83 |
| 3 | 0.92 | 0.86 | 0.81 | 0.90 | 0.85 | 0.81 | 0.88 | 0.83 | 0.79 | 0.85 | 0.81 | 0.78 | 0.83 | 0.80 | 0.77 | 0.75 |
| 4 | 0.85 | 0.79 | 0.74 | 0.84 | 0.78 | 0.73 | 0.82 | 0.76 | 0.72 | 0.79 | 0.75 | 0.72 | 0.78 | 0.74 | 0.71 | 0.69 |
| 5 | 0.79 | 0.72 | 0.67 | 0.78 | 0.72 | 0.67 | 0.76 | 0.71 | 0.67 | 0.74 | 0.70 | 0.66 | 0.73 | 0.69 | 0.65 | 0.64 |
| 6 | 0.74 | 0.67 | 0.62 | 0.73 | 0.67 | 0.62 | 0.71 | 0.66 | 0.62 | 0.70 | 0.65 | 0.61 | 0.68 | 0.64 | 0.61 | 0.59 |
| 7 | 0.69 | 0.62 | 0.58 | 0.68 | 0.62 | 0.58 | 0.67 | 0.61 | 0.57 | 0.66 | 0.61 | 0.57 | 0.65 | 0.60 | 0.57 | 0.55 |
| 8 | 0.65 | 0.58 | 0.54 | 0.64 | 0.58 | 0.54 | 0.63 | 0.57 | 0.53 | 0.62 | 0.57 | 0.53 | 0.61 | 0.56 | 0.53 | 0.51 |
| 9 | 0.61 | 0.55 | 0.50 | 0.61 | 0.55 | 0.50 | 0.60 | 0.54 | 0.50 | 0.59 | 0.54 | 0.50 | 0.58 | 0.53 | 0.50 | 0.48 |
| 10 | 0.58 | 0.52 | 0.47 | 0.57 | 0.51 | 0.47 | 0.57 | 0.51 | 0.47 | 0.56 | 0.51 | 0.47 | 0.55 | 0.50 | 0.47 | 0.46 |

ROLED 投光灯

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 | 5646.35 | 5585.73 | 5440.70 | 5246.55 | 4999.45 | 4708.62 | 4409.34 | 4082.44 | 3731.75 |
| 30.0 | 5805.97 | 5747.65 | 5603.38 | 5392.35 | 5134.51 | 4844.44 | 4508.33 | 4171.46 | 3805.42 |
| 60.0 | 5690.86 | 5603.38 | 5434.56 | 5212.02 | 4951.11 | 4638.79 | 4320.33 | 3948.92 | 3608.20 |
| 90.0 | 5682.42 | 5604.91 | 5441.46 | 5216.62 | 4959.55 | 4649.53 | 4315.72 | 3988.82 | 3641.20 |
| 120.0 | 5662.47 | 5581.13 | 5417.67 | 5200.51 | 4944.20 | 4635.72 | 4308.05 | 3976.54 | 3625.08 |
| 150.0 | 5652.49 | 5608.75 | 5482.13 | 5291.82 | 5065.45 | 4780.75 | 4466.90 | 4148.43 | 3797.74 |
| 180.0 | 5646.35 | 5617.19 | 5504.39 | 5327.12 | 5104.59 | 4829.86 | 4529.05 | 4216.73 | 3871.41 |
| 210.0 | 5805.97 | 5776.81 | 5660.93 | 5490.58 | 5252.69 | 4967.22 | 4664.88 | 4316.49 | 3946.61 |
| 240.0 | 5690.86 | 5689.33 | 5604.15 | 5447.60 | 5248.85 | 4985.64 | 4698.64 | 4353.32 | 4007.24 |
| 270.0 | 5682.42 | 5666.30 | 5561.94 | 5402.33 | 5182.86 | 4915.04 | 4631.11 | 4298.07 | 3935.10 |
| 300.0 | 5662.47 | 5648.65 | 5547.36 | 5385.44 | 5184.39 | 4917.35 | 4629.58 | 4283.49 | 3938.17 |
| 330.0 | 5652.49 | 5602.61 | 5471.39 | 5294.13 | 5059.31 | 4777.68 | 4483.78 | 4128.48 | 3790.07 |
| 360.0 | 5646.35 | 5585.73 | 5440.70 | 5246.55 | 4999.45 | 4708.62 | 4409.34 | 4082.44 | 3731.75 |
| C/γ(°) | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 |
| 0.0 | 3385.66 | 3058.76 | 2714.98 | 2408.03 | 2111.05 | 1833.26 | 1589.24 | 1376.67 | 1193.27 |
| 30.0 | 3442.45 | 3088.69 | 2761.79 | 2437.19 | 2136.37 | 1873.93 | 1626.07 | 1406.60 | 1223.96 |
| 60.0 | 3262.88 | 2923.70 | 2617.52 | 2317.48 | 2048.13 | 1787.99 | 1524.39 | 1361.56 | 1189.59 |
| 90.0 | 3299.72 | 2970.51 | 2648.98 | 2361.22 | 2076.52 | 1828.66 | 1595.37 | 1397.39 | 1206.32 |
| 120.0 | 3285.90 | 2949.79 | 2642.84 | 2341.26 | 2068.85 | 1804.87 | 1526.16 | 1371.99 | 1197.87 |
| 150.0 | 3446.29 | 3101.73 | 2780.20 | 2458.67 | 2174.74 | 1896.95 | 1646.79 | 1436.53 | 1241.61 |
| 180.0 | 3523.02 | 3167.73 | 2836.22 | 2505.48 | 2190.09 | 1917.67 | 1662.14 | 1441.98 | 1240.92 |
| 210.0 | 3575.97 | 3215.31 | 2844.66 | 2519.30 | 2192.39 | 1896.95 | 1638.35 | 1423.33 | 1218.67 |
| 240.0 | 3633.53 | 3259.05 | 2902.98 | 2553.06 | 2246.11 | 1943.76 | 1678.25 | 1447.27 | 1248.52 |
| 270.0 | 3567.53 | 3206.86 | 2833.92 | 2506.25 | 2183.18 | 1890.81 | 1636.05 | 1423.48 | 1220.59 |
| 300.0 | 3569.07 | 3219.91 | 2850.03 | 2507.02 | 2206.97 | 1907.70 | 1649.09 | 1421.18 | 1226.27 |
| 330.0 | 3433.24 | 3090.22 | 2736.46 | 2425.68 | 2101.08 | 1835.56 | 1525.85 | 1375.44 | 1192.50 |
| 360.0 | 3385.66 | 3058.76 | 2714.98 | 2408.03 | 2111.05 | 1833.26 | 1589.24 | 1376.67 | 1193.27 |
| C/γ(°) | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 0.0 | 1029.82 | 895.53 | 771.21 | 668.38 | 580.90 | 509.54 | 447.38 | 395.97 | 354.68 |
| 30.0 | 1055.14 | 909.34 | 784.26 | 682.20 | 591.65 | 518.75 | 454.29 | 402.11 | 359.98 |
| 60.0 | 1033.58 | 902.97 | 782.65 | 681.28 | 594.87 | 521.59 | 462.57 | 410.09 | 367.57 |
| 90.0 | 1055.14 | 922.39 | 802.68 | 698.31 | 608.53 | 535.63 | 469.63 | 412.85 | 368.42 |
| 120.0 | 1039.33 | 900.13 | 785.18 | 682.81 | 599.86 | 521.59 | 461.88 | 408.78 | 365.65 |
| 150.0 | 1072.02 | 926.22 | 804.98 | 697.54 | 606.23 | 532.56 | 468.87 | 415.15 | 371.87 |
| 180.0 | 1076.94 | 926.07 | 802.60 | 692.94 | 599.86 | 521.51 | 459.12 | 404.10 | 357.83 |
| 210.0 | 1045.86 | 899.83 | 770.83 | 669.31 | 577.30 | 501.56 | 439.94 | 389.44 | 346.09 |
| 240.0 | 1073.56 | 921.62 | 794.23 | 686.80 | 585.51 | 491.89 | 430.50 | 375.40 | 317.08 |
| 270.0 | 1050.46 | 907.04 | 779.12 | 677.52 | 577.68 | 462.19 | 396.35 | 342.71 | 300.89 |
| 300.0 | 1054.37 | 912.41 | 782.72 | 675.29 | 587.04 | 509.54 | 445.85 | 387.52 | 311.78 |
| 330.0 | 1028.36 | 890.00 | 766.22 | 664.55 | 575.92 | 507.16 | 447.46 | 395.81 | 355.99 |
| 360.0 | 1029.82 | 895.53 | 771.21 | 668.38 | 580.90 | 509.54 | 447.38 | 395.97 | 354.68 |
| C/γ(°) | 54.0 | 56.0 | 58.0 | 60.0 | 62.0 | 64.0 | 66.0 | 68.0 | 70.0 |
| 0.0 | 318.15 | 288.23 | 258.53 | 236.04 | 215.10 | 195.60 | 179.18 | 163.30 | 137.90 |
| 30.0 | 324.68 | 293.06 | 265.90 | 243.57 | 222.39 | 203.89 | 184.55 | 167.98 | 151.25 |
| 60.0 | 329.74 | 296.21 | 267.20 | 240.27 | 217.09 | 195.68 | 176.57 | 157.24 | 138.36 |
| 90.0 | 326.29 | 290.38 | 260.91 | 233.36 | 209.19 | 166.75 | 143.81 | 125.70 | 107.89 |
| 120.0 | 327.36 | 293.44 | 263.90 | 235.81 | 213.79 | 184.09 | 161.76 | 144.11 | 126.16 |
| 150.0 | 336.11 | 303.80 | 277.33 | 252.93 | 230.83 | 211.49 | 192.30 | 174.12 | 156.39 |
| 180.0 | 321.22 | 288.46 | 261.29 | 235.74 | 215.63 | 196.14 | 179.34 | 163.30 | 136.82 |
| 210.0 | 310.56 | 281.01 | 255.23 | 233.21 | 211.87 | 183.79 | 166.60 | 152.78 | 137.28 |
| 240.0 | 281.09 | 250.32 | 222.85 | 201.28 | 181.25 | 162.15 | 145.95 | 129.30 | 111.42 |
| 270.0 | 264.28 | 234.13 | 207.58 | 184.86 | 164.68 | 147.57 | 130.15 | 111.50 | 96.23 |
| 300.0 | 276.41 | 245.87 | 218.55 | 197.29 | 177.34 | 158.46 | 142.50 | 126.16 | 108.58 |
| 330.0 | 320.92 | 291.60 | 264.21 | 242.87 | 219.55 | 177.11 | 158.23 | 142.81 | 128.69 |
| 360.0 | 318.15 | 288.23 | 258.53 | 236.04 | 215.10 | 195.60 | 179.18 | 163.30 | 137.90 |

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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 | 113.65 | 101.37 | 88.86 | 77.04 | 64.38 | 51.03 | 37.22 | 21.64 | 5.99 |
| 30.0 | 134.29 | 116.26 | 91.32 | 74.59 | 56.71 | 41.82 | 27.78 | 9.67 | 4.30 |
| 60.0 | 99.91 | 82.65 | 71.60 | 59.63 | 47.19 | 26.70 | 16.88 | 9.59 | 6.75 |
| 90.0 | 93.62 | 83.49 | 72.36 | 60.16 | 43.51 | 25.63 | 17.88 | 10.36 | 8.06 |
| 120.0 | 99.99 | 83.26 | 72.21 | 60.70 | 47.96 | 27.24 | 16.81 | 9.59 | 6.98 |
| 150.0 | 138.90 | 120.32 | 91.55 | 73.67 | 56.71 | 42.05 | 28.47 | 10.59 | 4.68 |
| 180.0 | 116.10 | 103.14 | 91.55 | 78.89 | 67.15 | 53.79 | 40.36 | 25.78 | 9.82 |
| 210.0 | 121.02 | 102.14 | 84.56 | 66.30 | 47.88 | 34.99 | 18.88 | 7.14 | 3.53 |
| 240.0 | 93.24 | 78.27 | 67.38 | 53.49 | 38.06 | 19.41 | 13.51 | 8.44 | 4.45 |
| 270.0 | 84.49 | 74.28 | 60.16 | 46.27 | 25.78 | 19.41 | 12.05 | 9.36 | 3.84 |
| 300.0 | 91.01 | 76.66 | 65.53 | 52.41 | 36.37 | 19.34 | 13.05 | 8.36 | 4.07 |
| 330.0 | 113.57 | 96.84 | 80.19 | 64.46 | 47.65 | 34.53 | 17.19 | 6.68 | 3.45 |
| 360.0 | 113.65 | 101.37 | 88.86 | 77.04 | 64.38 | 51.03 | 37.22 | 21.64 | 5.99 |

| C/γ(°) | 90.0 |
|--------|------|
| 0.0 | 0.38 |
| 30.0 | 1.53 |
| 60.0 | 1.76 |
| 90.0 | 2.15 |
| 120.0 | 1.92 |
| 150.0 | 1.76 |
| 180.0 | 0.46 |
| 210.0 | 0.38 |
| 240.0 | 0.38 |
| 270.0 | 0.23 |
| 300.0 | 0.31 |
| 330.0 | 0.38 |
| 360.0 | 0.38 |