

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: F3073A-60-UN (45-OL-60WN-AA, L520mm, C, CT)

报告编号:

电压(V): 220.5000

测试编号: 20210401011

电流(A): 0.3170

光源规格型号: OL

功率(W): 68.4000

每个光源光通量(lm)

功率因数: 0.9790

光源数量: 60

镇流器型号:

发光面长度(mm): 490

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 6124.39

灯具效能(lm/w): 89.54

中心光强(cd): 8002.965

最大光强(cd): 8095.049

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=43.0

[C90/270]Total=42.8

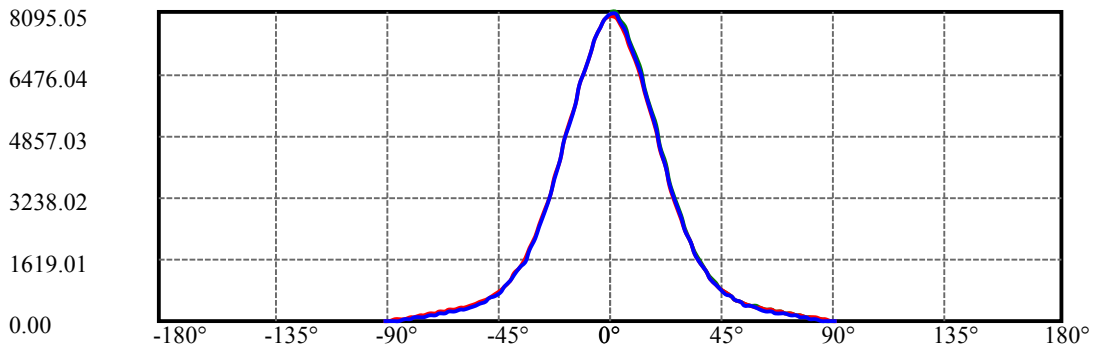
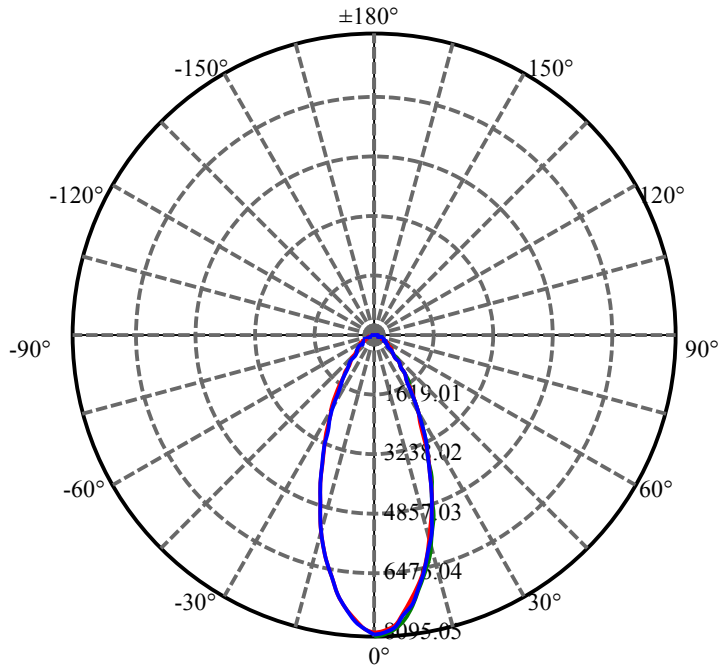
光束扩散角(10%Imax): [C0/180]Total=89.0

[C90/270]Total=88.1

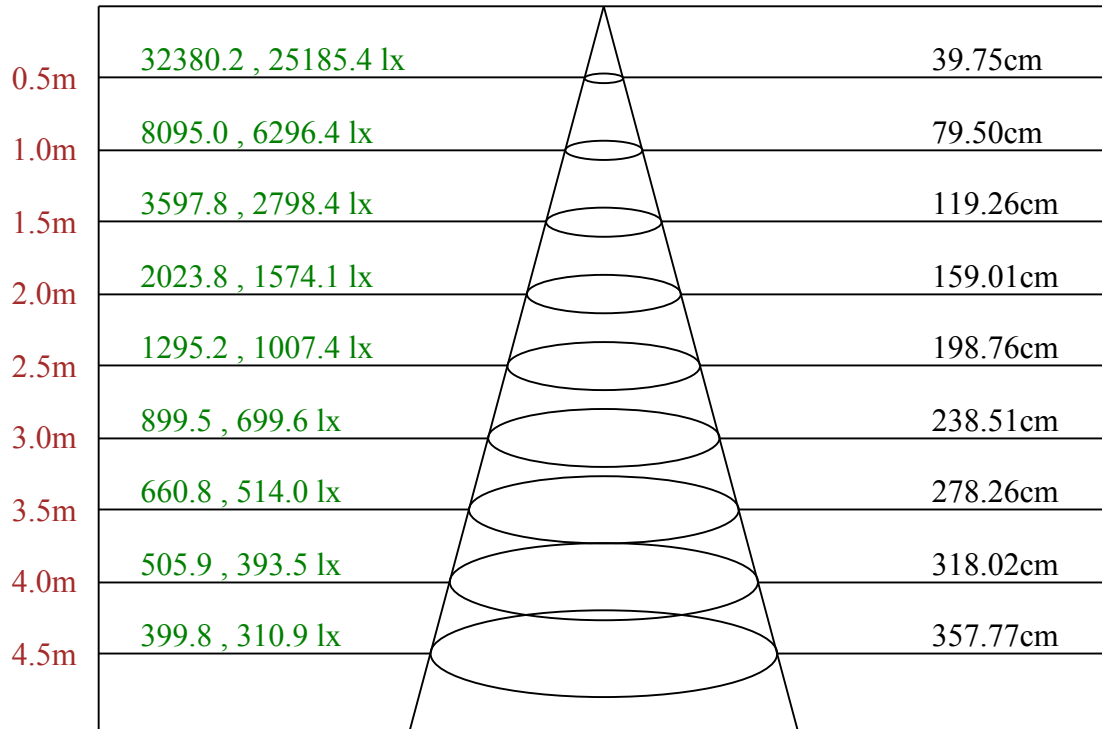
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/1
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

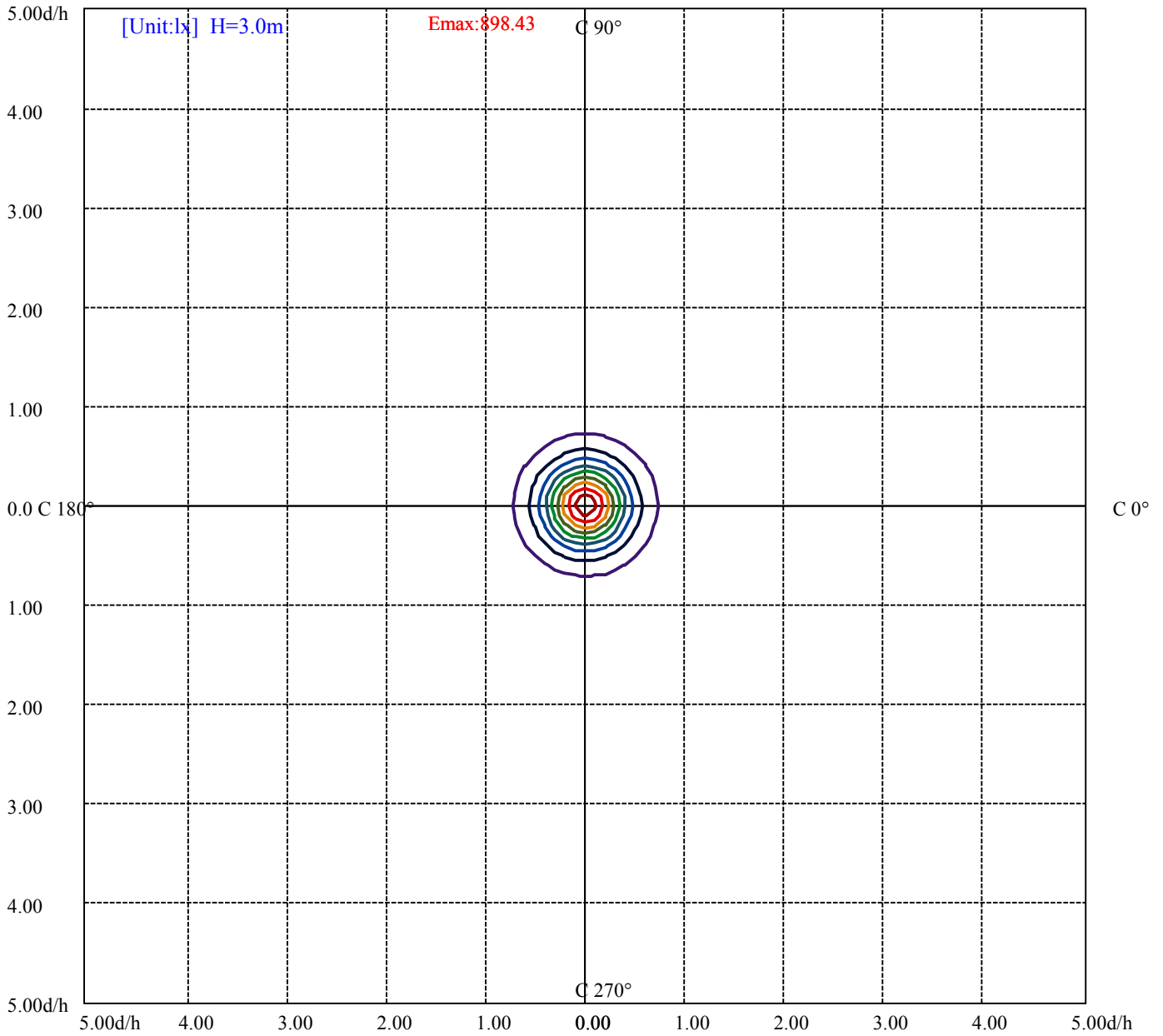


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角43.35

ROLED 投光灯
平面等照度曲线



| | |
|--------------------|---|
| (10%Emax) 89.84267 | — |
| (20%Emax) 179.6856 | — |
| (30%Emax) 269.5278 | — |
| (40%Emax) 359.37 | — |
| (50%Emax) 449.2133 | — |
| (60%Emax) 539.0555 | — |
| (70%Emax) 628.8989 | — |
| (80%Emax) 718.7411 | — |
| (90%Emax) 808.5833 | — |

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环境湿度(%): 60.0%

测试人员: anpeilou
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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

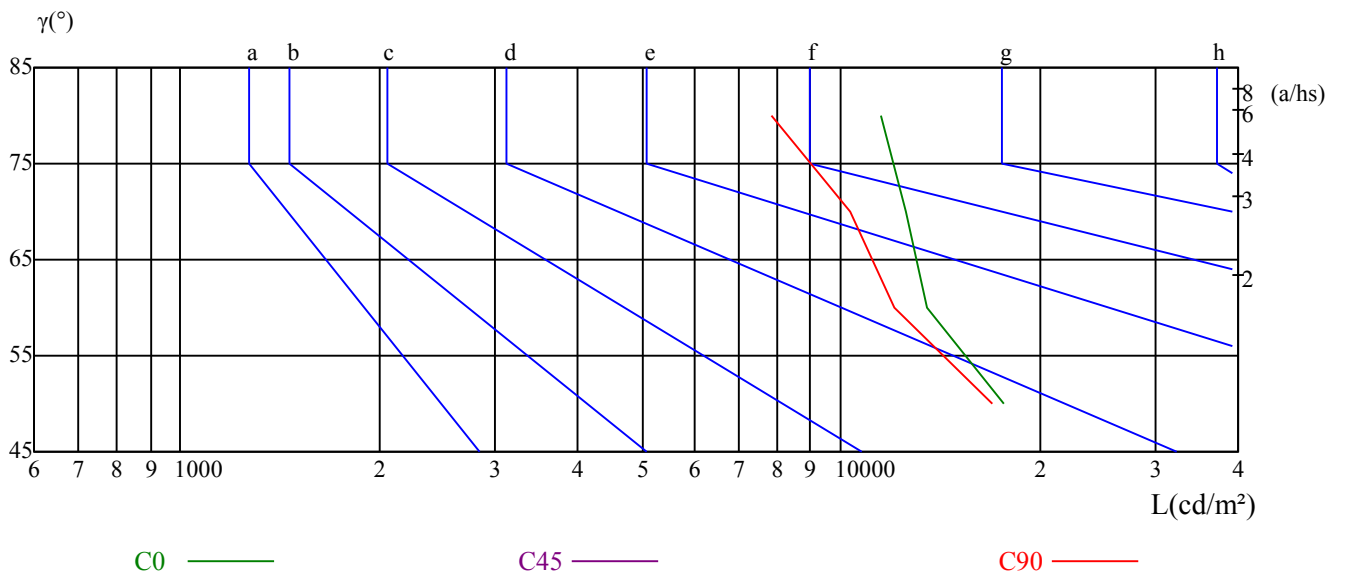
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|-------|----|-------|----|-------|----|-------|----|
| C0 | 0 | 17646 | 0 | 13520 | 0 | 12545 | 0 | 11540 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 16984 | 0 | 12042 | 0 | 10336 | 0 | 7845 | 0 |

| 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 | 11.65 | 12.86 | 12.02 | 13.17 | 13.49 | 12.20 | 13.41 | 12.57 | 13.72 | 14.04 |
| | 3H | 13.06 | 14.14 | 13.44 | 14.47 | 14.84 | 13.89 | 14.96 | 14.27 | 15.30 | 15.66 |
| | 4H | 13.59 | 14.59 | 13.99 | 14.94 | 15.33 | 14.57 | 15.57 | 14.97 | 15.92 | 16.30 |
| | 6H | 13.91 | 14.83 | 14.32 | 15.20 | 15.59 | 15.09 | 16.01 | 15.51 | 16.38 | 16.78 |
| | 8H | 13.97 | 14.84 | 14.40 | 15.23 | 15.64 | 15.26 | 16.13 | 15.69 | 16.52 | 16.93 |
| | 12H | 14.03 | 14.86 | 14.46 | 15.24 | 15.67 | 15.45 | 16.28 | 15.89 | 16.67 | 17.10 |
| 4H | 2H | 12.18 | 13.18 | 12.59 | 13.54 | 13.92 | 12.63 | 13.63 | 13.03 | 13.98 | 14.37 |
| | 3H | 13.81 | 14.63 | 14.22 | 15.04 | 15.44 | 14.56 | 15.38 | 14.97 | 15.79 | 16.19 |
| | 4H | 14.46 | 15.19 | 14.89 | 15.61 | 16.06 | 15.36 | 16.10 | 15.80 | 16.52 | 16.96 |
| | 6H | 14.80 | 15.44 | 15.27 | 15.89 | 16.36 | 15.90 | 16.54 | 16.37 | 16.98 | 17.45 |
| | 8H | 14.90 | 15.49 | 15.37 | 15.94 | 16.41 | 16.12 | 16.71 | 16.59 | 17.16 | 17.63 |
| | 12H | 14.95 | 15.47 | 15.44 | 15.96 | 16.43 | 16.32 | 16.84 | 16.81 | 17.33 | 17.80 |
| 8H | 4H | 14.74 | 15.33 | 15.21 | 15.78 | 16.25 | 15.54 | 16.13 | 16.01 | 16.58 | 17.05 |
| | 6H | 15.20 | 15.68 | 15.71 | 16.18 | 16.66 | 16.21 | 16.69 | 16.71 | 17.19 | 17.67 |
| | 8H | 15.34 | 15.77 | 15.87 | 16.29 | 16.78 | 16.49 | 16.92 | 17.02 | 17.44 | 17.93 |
| | 12H | 15.92 | 16.29 | 16.43 | 16.79 | 17.36 | 17.18 | 17.56 | 17.70 | 18.05 | 18.63 |
| 12H | 4H | 14.76 | 15.28 | 15.25 | 15.76 | 16.24 | 15.53 | 16.05 | 16.02 | 16.53 | 17.01 |
| | 6H | 15.75 | 15.68 | 15.78 | 16.15 | 16.69 | 16.72 | 16.65 | 16.75 | 17.12 | 17.66 |
| | 8H | 15.43 | 15.80 | 15.95 | 16.30 | 16.87 | 16.54 | 16.92 | 17.06 | 17.41 | 17.99 |
| 对应照射距离，改变观察者位置S | | | | | | | | | | | |
| S = 1.0H | 0.8/-1.0 | | | | | 0.7/-0.8 | | | | | |
| S = 1.5H | 1.5/-1.3 | | | | | 1.2/-1.1 | | | | | |
| S = 2.0H | 3.1/-1.5 | | | | | 2.5/-1.2 | | | | | |
| 标准表格 | BK3 | | | | | BK3 | | | | | |
| 更正系数 | 4.2 | | | | | 4.8 | | | | | |

ROLED 投光灯

光强数据表(cd)

附页 第7页 共8页

| C/γ(°) | 0.0 | 2.0 | 4.0 | 6.0 | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0 | 8002.96 | 7954.62 | 7779.66 | 7508.77 | 7211.03 | 6816.60 | 6409.12 | 5958.67 | 5495.18 |
| 30.0 | 8095.05 | 8070.49 | 7909.34 | 7668.39 | 7356.83 | 6973.91 | 6567.20 | 6097.57 | 5592.64 |
| 60.0 | 8076.63 | 8030.59 | 7849.49 | 7598.56 | 7271.65 | 6903.31 | 6472.82 | 5992.44 | 5515.90 |
| 90.0 | 8049.01 | 8019.85 | 7851.79 | 7591.65 | 7270.89 | 6887.97 | 6481.26 | 6017.76 | 5548.90 |
| 120.0 | 8033.66 | 7969.97 | 7781.19 | 7534.10 | 7196.45 | 6798.95 | 6380.73 | 5889.61 | 5380.84 |
| 150.0 | 8018.31 | 7959.22 | 7768.15 | 7498.80 | 7179.57 | 6760.58 | 6343.13 | 5868.12 | 5387.75 |
| 180.0 | 8002.96 | 7890.93 | 7671.46 | 7376.02 | 7015.35 | 6606.34 | 6186.59 | 5705.44 | 5236.57 |
| 210.0 | 8095.05 | 7966.13 | 7728.24 | 7428.97 | 7061.39 | 6625.52 | 6182.75 | 5687.02 | 5189.00 |
| 240.0 | 8076.63 | 7957.69 | 7740.52 | 7443.55 | 7092.86 | 6676.94 | 6208.84 | 5749.18 | 5237.34 |
| 270.0 | 8049.01 | 7918.55 | 7685.27 | 7380.62 | 7021.49 | 6598.67 | 6170.47 | 5690.86 | 5183.62 |
| 300.0 | 8033.66 | 7952.32 | 7762.78 | 7482.68 | 7145.04 | 6762.12 | 6303.99 | 5828.22 | 5320.22 |
| 330.0 | 8018.31 | 7936.97 | 7749.73 | 7478.85 | 7142.74 | 6739.86 | 6322.41 | 5844.34 | 5329.43 |
| 360.0 | 8002.96 | 7954.62 | 7779.66 | 7508.77 | 7211.03 | 6816.60 | 6409.12 | 5958.67 | 5495.18 |
| C/γ(°) | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 |
| 0.0 | 4984.87 | 4485.31 | 4008.00 | 3499.23 | 3087.92 | 2688.12 | 2354.31 | 2038.15 | 1745.01 |
| 30.0 | 5107.65 | 4591.98 | 4107.00 | 3600.53 | 3174.63 | 2760.25 | 2390.38 | 2078.82 | 1787.99 |
| 60.0 | 5009.43 | 4489.92 | 3985.75 | 3535.30 | 3087.15 | 2705.77 | 2344.33 | 2021.27 | 1738.11 |
| 90.0 | 5046.26 | 4535.96 | 4029.49 | 3578.27 | 3130.89 | 2720.35 | 2375.03 | 2048.13 | 1772.64 |
| 120.0 | 4868.23 | 4377.11 | 3880.62 | 3439.38 | 3005.81 | 2615.22 | 2264.53 | 1968.32 | 1693.60 |
| 150.0 | 4876.67 | 4394.76 | 3899.04 | 3437.84 | 3008.11 | 2619.82 | 2286.78 | 1975.23 | 1712.78 |
| 180.0 | 4740.85 | 4238.99 | 3756.31 | 3325.81 | 2904.52 | 2532.34 | 2221.55 | 1914.60 | 1645.25 |
| 210.0 | 4680.99 | 4205.22 | 3688.01 | 3265.18 | 2853.87 | 2472.49 | 2157.86 | 1863.96 | 1569.28 |
| 240.0 | 4743.15 | 4249.73 | 3757.84 | 3295.88 | 2903.75 | 2520.83 | 2177.05 | 1896.19 | 1629.14 |
| 270.0 | 4711.69 | 4215.20 | 3745.56 | 3294.35 | 2873.82 | 2487.07 | 2167.84 | 1869.33 | 1567.75 |
| 300.0 | 4826.80 | 4329.54 | 3860.67 | 3386.43 | 2968.21 | 2576.85 | 2242.27 | 1939.93 | 1666.74 |
| 330.0 | 4844.44 | 4337.98 | 3833.81 | 3398.71 | 2972.05 | 2576.85 | 2249.18 | 1940.69 | 1663.67 |
| 360.0 | 4984.87 | 4485.31 | 4008.00 | 3499.23 | 3087.92 | 2688.12 | 2354.31 | 2038.15 | 1745.01 |
| C/γ(°) | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 0.0 | 1510.20 | 1303.77 | 1118.83 | 966.13 | 844.88 | 733.61 | 646.90 | 572.46 | 507.24 |
| 30.0 | 1547.80 | 1329.86 | 1141.09 | 982.24 | 857.16 | 743.59 | 654.57 | 576.30 | 512.61 |
| 60.0 | 1513.88 | 1298.86 | 1113.85 | 965.28 | 833.52 | 728.16 | 631.17 | 555.81 | 488.90 |
| 90.0 | 1523.24 | 1306.84 | 1122.67 | 966.13 | 839.51 | 724.40 | 633.09 | 550.98 | 480.38 |
| 120.0 | 1465.30 | 1267.24 | 1087.37 | 936.97 | 815.95 | 708.83 | 619.50 | 546.76 | 481.91 |
| 150.0 | 1475.66 | 1268.47 | 1098.88 | 941.57 | 821.09 | 714.43 | 630.02 | 556.35 | 498.03 |
| 180.0 | 1426.01 | 1237.78 | 1067.73 | 924.76 | 809.20 | 706.52 | 621.96 | 551.21 | 494.73 |
| 210.0 | 1398.47 | 1203.48 | 1040.87 | 902.74 | 784.87 | 684.96 | 608.61 | 540.39 | 485.21 |
| 240.0 | 1409.67 | 1215.52 | 1042.86 | 899.36 | 781.96 | 684.50 | 600.09 | 531.79 | 466.56 |
| 270.0 | 1398.47 | 1202.17 | 1038.57 | 892.15 | 777.97 | 673.14 | 592.26 | 519.21 | 455.59 |
| 300.0 | 1441.90 | 1242.38 | 1064.35 | 916.25 | 801.91 | 696.01 | 609.30 | 540.23 | 475.01 |
| 330.0 | 1453.18 | 1249.98 | 1079.16 | 926.15 | 808.97 | 702.92 | 618.12 | 550.13 | 489.13 |
| 360.0 | 1510.20 | 1303.77 | 1118.83 | 966.13 | 844.88 | 733.61 | 646.90 | 572.46 | 507.24 |
| C/γ(°) | 54.0 | 56.0 | 58.0 | 60.0 | 62.0 | 64.0 | 66.0 | 68.0 | 70.0 |
| 0.0 | 453.52 | 409.78 | 374.25 | 341.18 | 314.32 | 287.69 | 263.06 | 239.65 | 216.55 |
| 30.0 | 458.12 | 412.85 | 388.29 | 343.55 | 316.01 | 288.61 | 262.67 | 239.19 | 214.02 |
| 60.0 | 435.10 | 386.53 | 345.01 | 311.86 | 279.94 | 253.54 | 227.37 | 203.97 | 180.95 |
| 90.0 | 422.82 | 387.52 | 338.57 | 303.88 | 274.18 | 245.87 | 221.00 | 198.14 | 178.41 |
| 120.0 | 427.66 | 382.92 | 342.63 | 308.79 | 279.17 | 253.23 | 227.53 | 204.20 | 180.26 |
| 150.0 | 444.31 | 404.41 | 368.49 | 338.03 | 310.40 | 283.78 | 259.68 | 235.05 | 209.42 |
| 180.0 | 445.23 | 404.87 | 368.11 | 336.65 | 308.64 | 284.16 | 259.68 | 235.74 | 213.02 |
| 210.0 | 438.02 | 396.89 | 361.20 | 331.28 | 305.19 | 278.48 | 254.69 | 229.83 | 204.28 |
| 240.0 | 418.22 | 387.52 | 338.49 | 305.03 | 275.95 | 249.40 | 223.15 | 199.90 | 175.12 |
| 270.0 | 406.40 | 362.12 | 324.45 | 292.52 | 263.44 | 235.66 | 210.26 | 189.16 | 169.21 |
| 300.0 | 425.13 | 387.52 | 341.71 | 308.18 | 280.55 | 252.54 | 226.45 | 203.05 | 179.26 |
| 330.0 | 442.32 | 399.57 | 362.82 | 332.43 | 306.41 | 279.94 | 255.23 | 231.82 | 206.27 |
| 360.0 | 453.52 | 409.78 | 374.25 | 341.18 | 314.32 | 287.69 | 263.06 | 239.65 | 216.55 |

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/1
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

光强数据表(cd)

附页 第 8页 共8页

| C/γ(°) | 72.0 | 74.0 | 76.0 | 78.0 | 80.0 | 82.0 | 84.0 | 86.0 | 88.0 |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0.0 | 193.30 | 170.74 | 148.26 | 125.24 | 101.14 | 77.12 | 53.18 | 29.93 | 7.75 |
| 30.0 | 188.01 | 161.76 | 136.67 | 111.65 | 91.39 | 66.07 | 40.29 | 18.65 | 6.52 |
| 60.0 | 161.84 | 142.81 | 118.33 | 92.24 | 72.13 | 46.27 | 25.25 | 15.35 | 7.98 |
| 90.0 | 157.70 | 136.06 | 110.43 | 88.02 | 68.76 | 44.43 | 25.09 | 15.73 | 8.90 |
| 120.0 | 162.22 | 142.04 | 117.02 | 92.16 | 72.06 | 46.66 | 23.94 | 15.12 | 7.67 |
| 150.0 | 183.25 | 159.38 | 134.37 | 110.12 | 90.09 | 64.00 | 39.75 | 18.42 | 6.29 |
| 180.0 | 189.85 | 168.67 | 143.96 | 122.47 | 98.61 | 75.36 | 51.64 | 28.55 | 7.06 |
| 210.0 | 179.18 | 152.25 | 126.39 | 102.52 | 81.80 | 54.64 | 32.84 | 10.59 | 3.84 |
| 240.0 | 156.77 | 136.44 | 111.04 | 86.10 | 66.38 | 39.52 | 19.88 | 11.28 | 6.22 |
| 270.0 | 149.02 | 123.16 | 98.38 | 79.12 | 53.79 | 31.92 | 20.80 | 10.21 | 5.91 |
| 300.0 | 159.84 | 139.59 | 115.34 | 88.63 | 69.68 | 41.67 | 20.34 | 11.59 | 6.45 |
| 330.0 | 179.95 | 153.48 | 128.92 | 104.44 | 82.49 | 56.63 | 34.84 | 12.28 | 4.14 |
| 360.0 | 193.30 | 170.74 | 148.26 | 125.24 | 101.14 | 77.12 | 53.18 | 29.93 | 7.75 |

| C/γ(°) | 90.0 |
|--------|------|
| 0.0 | 0.69 |
| 30.0 | 1.61 |
| 60.0 | 1.61 |
| 90.0 | 1.53 |
| 120.0 | 1.15 |
| 150.0 | 1.07 |
| 180.0 | 0.69 |
| 210.0 | 0.54 |
| 240.0 | 0.46 |
| 270.0 | 0.46 |
| 300.0 | 0.38 |
| 330.0 | 0.54 |
| 360.0 | 0.69 |