

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3563A-18-UN-RC(20-PR-18RGBPCA-AJ.L1000.A.CT)

报告编号:

电压(V): 201.8000

测试编号: 20210226001

电流(A): 0.5140

光源规格型号: PR

功率(W): 93.9000

每个光源光通量(lm)

功率因数: 0.9050

光源数量: 18

镇流器型号:

发光面长度(mm): 985

发光面宽度(mm): 60

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 2658.72

灯具效能(lm/w): 28.31

中心光强(cd): 11928.860

最大光强(cd): 12205.880

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=23.1

[C90/270]Total=23.2

光束扩散角(10%Imax): [C0/180]Total=42.7

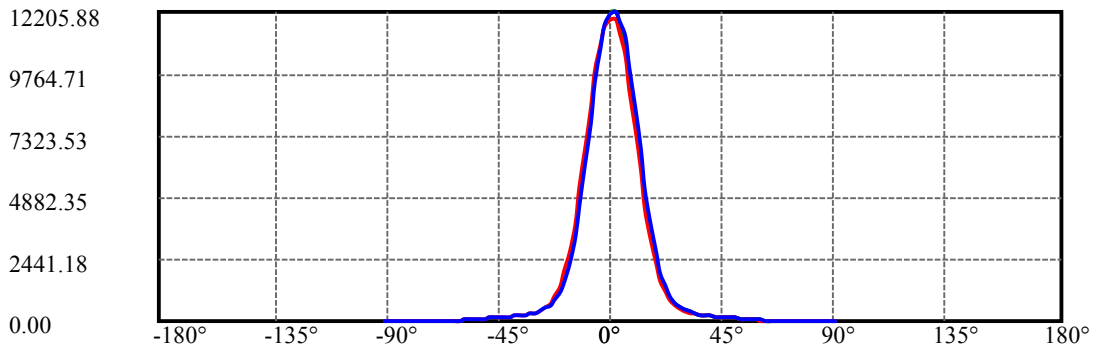
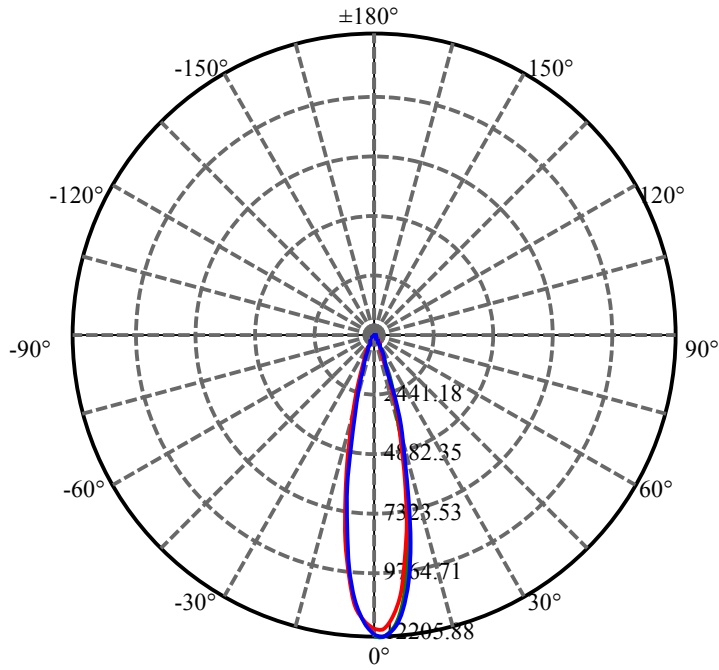
[C90/270]Total=42.4

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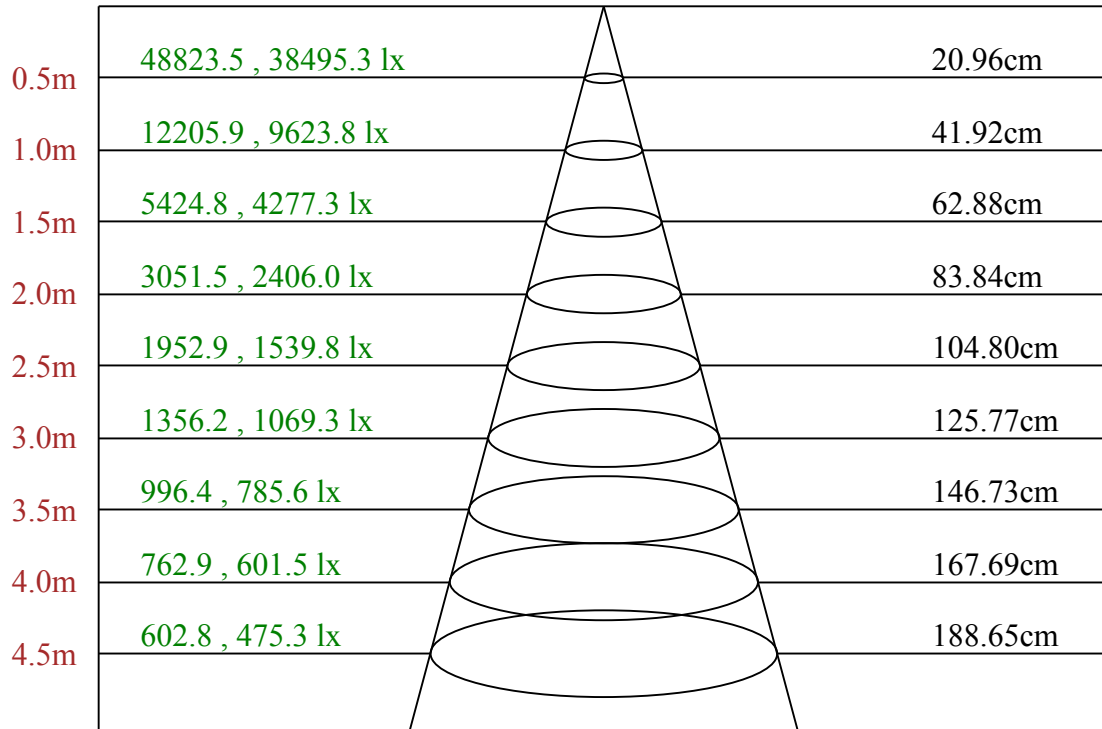
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/26  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

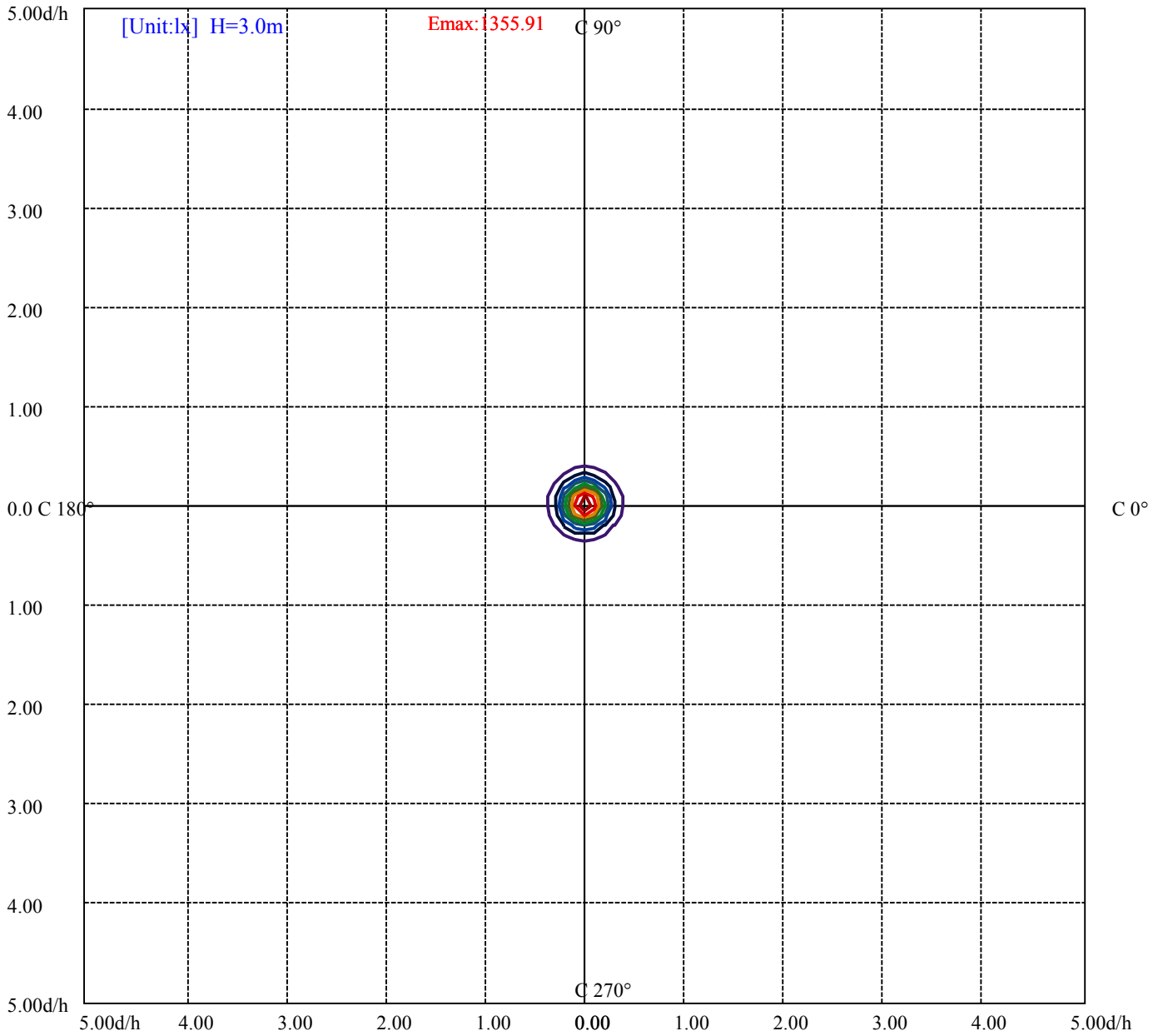


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角23.67

ROLED 投光灯  
平面等照度曲线



|                    |    |
|--------------------|----|
| (10%Emax) 135.5911 | —— |
| (20%Emax) 271.1822 | —— |
| (30%Emax) 406.7733 | —— |
| (40%Emax) 542.3644 | —— |
| (50%Emax) 677.9556 | —— |
| (60%Emax) 813.5466 | —— |
| (70%Emax) 949.1378 | —— |
| (80%Emax) 1084.729 | —— |
| (90%Emax) 1220.322 | —— |

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/26  
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

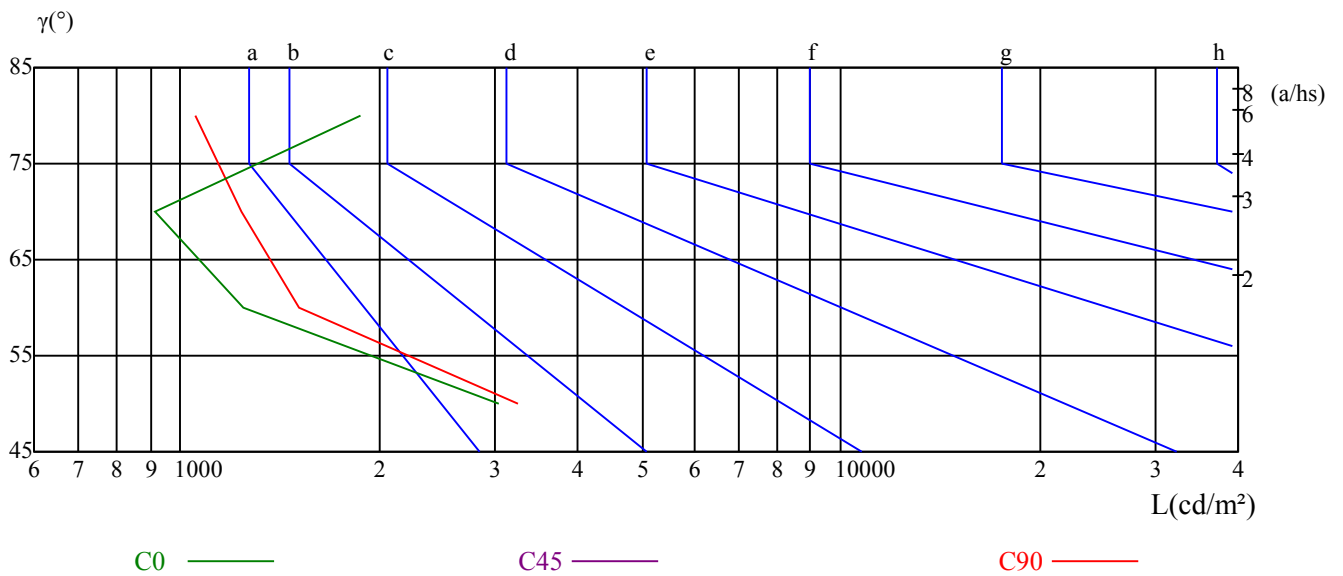
| $\gamma$ | 45 | 50   | 55 | 60   | 65 | 70   | 75 | 80   | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0       | 0  | 3030 | 0  | 1241 | 0  | 915  | 0  | 1877 | 0  |
| C45      | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  |
| C90      | 0  | 3248 | 0  | 1511 | 0  | 1238 | 0  | 1054 | 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  | $\leq 300$ |            |            |            |            |
| 1.5  | B    |          | 2000 | 1000 | 500        | $\leq 300$ |            |            |            |
| 1.85 | C    |          |      | 2000 | 1000       | 500        | $\leq 300$ |            |            |
| 2.2  | D    |          |      |      | 2000       | 1000       | 500        | $\leq 300$ |            |
| 2.55 | E    |          |      |      |            | 2000       | 1000       | 500        | $\leq 300$ |
|      |      | 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  | 3.91             | 4.90 | 4.28 | 5.21 | 5.53 | 3.60           | 4.59 | 3.97 | 4.90 | 5.22 |
|                 | 3H  | 4.93             | 5.81 | 5.32 | 6.14 | 6.51 | 4.34           | 5.21 | 4.72 | 5.55 | 5.92 |
|                 | 4H  | 5.38             | 6.19 | 5.79 | 6.55 | 6.94 | 4.73           | 5.53 | 5.13 | 5.89 | 6.28 |
|                 | 6H  | 5.66             | 6.40 | 6.08 | 6.78 | 7.17 | 5.53           | 6.27 | 5.95 | 6.65 | 7.04 |
|                 | 8H  | 5.72             | 6.41 | 6.15 | 6.80 | 7.21 | 5.91           | 6.61 | 6.35 | 7.00 | 7.41 |
|                 | 12H | 5.75             | 6.42 | 6.19 | 6.80 | 7.23 | 6.27           | 6.94 | 6.71 | 7.32 | 7.75 |
| 4H              | 2H  | 4.03             | 4.84 | 4.44 | 5.20 | 5.59 | 3.76           | 4.57 | 4.17 | 4.92 | 5.31 |
|                 | 3H  | 5.25             | 5.91 | 5.67 | 6.32 | 6.73 | 4.70           | 5.36 | 5.11 | 5.77 | 6.17 |
|                 | 4H  | 5.81             | 6.39 | 6.24 | 6.82 | 7.27 | 5.18           | 5.77 | 5.62 | 6.19 | 6.64 |
|                 | 6H  | 6.12             | 6.62 | 6.59 | 7.08 | 7.55 | 5.97           | 6.48 | 6.45 | 6.93 | 7.40 |
|                 | 8H  | 6.20             | 6.67 | 6.68 | 7.12 | 7.60 | 6.44           | 6.91 | 6.92 | 7.36 | 7.84 |
|                 | 12H | 6.25             | 6.65 | 6.74 | 7.14 | 7.62 | 6.83           | 7.23 | 7.32 | 7.72 | 8.20 |
| 8H              | 4H  | 5.84             | 6.31 | 6.32 | 6.76 | 7.24 | 5.27           | 5.74 | 5.74 | 6.19 | 6.66 |
|                 | 6H  | 6.23             | 6.60 | 6.74 | 7.10 | 7.59 | 6.12           | 6.49 | 6.63 | 6.99 | 7.48 |
|                 | 8H  | 6.35             | 6.68 | 6.88 | 7.20 | 7.70 | 6.64           | 6.97 | 7.17 | 7.49 | 7.99 |
|                 | 12H | 6.87             | 7.16 | 7.40 | 7.66 | 8.24 | 7.39           | 7.67 | 7.91 | 8.17 | 8.75 |
| 12H             | 4H  | 5.81             | 6.22 | 6.30 | 6.71 | 7.18 | 5.24           | 5.64 | 5.73 | 6.13 | 6.61 |
|                 | 6H  | 6.47             | 6.54 | 6.75 | 7.01 | 7.56 | 6.36           | 6.43 | 6.64 | 6.90 | 7.45 |
|                 | 8H  | 6.36             | 6.64 | 6.88 | 7.14 | 7.72 | 6.65           | 6.93 | 7.17 | 7.43 | 8.01 |
| 对应照射距离，改变观察者位置S |     |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H        |     | 0.7/-1.3         |      |      |      |      | 0.6/-1.6       |      |      |      |      |
| S = 1.5H        |     | 1.6/-2.6         |      |      |      |      | 1.5/-2.8       |      |      |      |      |
| S = 2.0H        |     | 4.0/-2.6         |      |      |      |      | 3.5/-2.4       |      |      |      |      |
| 标准表格            |     | BK2              |      |      |      |      | BK2            |      |      |      |      |
| 更正系数            |     | -6.4             |      |      |      |      | -6.4           |      |      |      |      |

# ROLED 投光灯

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    | 11928.86 | 11867.47 | 11388.63 | 10450.89 | 9117.19  | 7624.65 | 5969.42 | 4468.43 | 3265.95 |
| 30.0   | 12205.88 | 12185.16 | 11745.46 | 10872.95 | 9574.55  | 7990.69 | 6411.43 | 4803.77 | 3517.65 |
| 60.0   | 12200.51 | 12199.74 | 11779.22 | 10998.03 | 9722.65  | 8213.23 | 6527.30 | 4908.14 | 3604.37 |
| 90.0   | 12124.54 | 12183.63 | 11857.49 | 11210.60 | 10020.40 | 8518.64 | 6851.90 | 5202.81 | 3835.35 |
| 120.0  | 12116.10 | 12047.04 | 11590.45 | 10800.82 | 9525.44  | 8027.52 | 6364.62 | 4766.94 | 3488.49 |
| 150.0  | 11797.64 | 11694.04 | 11181.44 | 10307.39 | 8977.53  | 7514.91 | 5914.17 | 4463.83 | 3202.26 |
| 180.0  | 11928.86 | 11619.61 | 10953.53 | 9851.57  | 8398.93  | 6794.35 | 5274.94 | 3857.60 | 2740.30 |
| 210.0  | 12205.88 | 11857.49 | 11092.42 | 9900.69  | 8423.49  | 6752.91 | 5215.09 | 3833.04 | 2756.41 |
| 240.0  | 12200.51 | 11790.73 | 11021.82 | 9805.53  | 8260.04  | 6670.03 | 5022.48 | 3645.04 | 2572.24 |
| 270.0  | 12124.54 | 11638.02 | 10757.08 | 9427.21  | 7831.84  | 6200.40 | 4581.23 | 3341.92 | 2282.18 |
| 300.0  | 12116.10 | 11758.50 | 10981.92 | 9716.51  | 8255.43  | 6597.90 | 4951.88 | 3629.69 | 2500.88 |
| 330.0  | 11797.64 | 11560.52 | 10860.67 | 9726.49  | 8268.48  | 6733.72 | 5073.12 | 3790.07 | 2666.63 |
| 360.0  | 11928.86 | 11867.47 | 11388.63 | 10450.89 | 9117.19  | 7624.65 | 5969.42 | 4468.43 | 3265.95 |
| C/γ(°) | 18.0     | 20.0     | 22.0     | 24.0     | 26.0     | 28.0    | 30.0    | 32.0    | 34.0    |
| 0.0    | 2278.34  | 1598.44  | 1134.95  | 827.23   | 618.51   | 481.14  | 389.83  | 327.06  | 280.63  |
| 30.0   | 2487.83  | 1741.94  | 1256.19  | 909.34   | 675.29   | 519.51  | 421.29  | 349.92  | 299.28  |
| 60.0   | 2545.39  | 1781.85  | 1274.53  | 936.51   | 693.78   | 540.54  | 430.80  | 354.22  | 299.97  |
| 90.0   | 2715.74  | 1893.88  | 1333.70  | 975.33   | 716.73   | 544.84  | 435.10  | 356.06  | 299.58  |
| 120.0  | 2401.12  | 1514.57  | 1205.24  | 878.11   | 644.60   | 491.89  | 388.52  | 316.39  | 265.97  |
| 150.0  | 2264.53  | 1600.75  | 1096.58  | 798.07   | 590.11   | 457.36  | 391.36  | 302.88  | 256.76  |
| 180.0  | 1940.69  | 1357.41  | 975.41   | 704.53   | 523.89   | 409.40  | 335.50  | 281.47  | 243.57  |
| 210.0  | 1912.30  | 1381.12  | 981.63   | 713.51   | 549.29   | 424.97  | 349.62  | 295.44  | 256.23  |
| 240.0  | 1814.84  | 1282.29  | 939.27   | 689.10   | 527.19   | 418.99  | 347.16  | 294.14  | 255.00  |
| 270.0  | 1526.16  | 1163.96  | 856.31   | 636.62   | 495.80   | 401.95  | 333.04  | 284.93  | 248.17  |
| 300.0  | 1761.13  | 1248.52  | 917.78   | 675.29   | 520.28   | 421.29  | 347.47  | 296.13  | 257.15  |
| 330.0  | 1886.98  | 1344.14  | 960.14   | 714.96   | 547.98   | 433.80  | 357.21  | 306.26  | 264.97  |
| 360.0  | 2278.34  | 1598.44  | 1134.95  | 827.23   | 618.51   | 481.14  | 389.83  | 327.06  | 280.63  |
| C/γ(°) | 36.0     | 38.0     | 40.0     | 42.0     | 44.0     | 46.0    | 48.0    | 50.0    | 52.0    |
| 0.0    | 245.02   | 219.93   | 197.52   | 178.80   | 161.92   | 145.80  | 129.84  | 115.11  | 98.68   |
| 30.0   | 259.99   | 230.44   | 206.42   | 187.16   | 169.74   | 154.47  | 140.43  | 124.24  | 106.59  |
| 60.0   | 261.75   | 231.21   | 206.81   | 187.55   | 169.82   | 154.93  | 140.43  | 124.85  | 107.36  |
| 90.0   | 260.75   | 229.68   | 205.12   | 185.55   | 167.29   | 151.94  | 138.36  | 123.39  | 107.28  |
| 120.0  | 233.05   | 202.43   | 182.64   | 162.76   | 150.56   | 138.59  | 120.32  | 110.81  | 95.92   |
| 150.0  | 226.15   | 200.82   | 179.80   | 156.62   | 142.89   | 132.99  | 119.56  | 105.05  | 91.47   |
| 180.0  | 216.32   | 192.38   | 173.35   | 156.93   | 142.96   | 129.00  | 114.57  | 95.69   | 81.03   |
| 210.0  | 224.69   | 200.36   | 180.72   | 162.84   | 147.64   | 132.53  | 117.87  | 101.52  | 84.03   |
| 240.0  | 225.61   | 201.59   | 181.18   | 163.14   | 148.95   | 133.75  | 117.10  | 100.91  | 83.26   |
| 270.0  | 221.00   | 198.44   | 179.11   | 161.23   | 146.49   | 130.76  | 114.19  | 97.76   | 79.50   |
| 300.0  | 227.83   | 203.66   | 183.94   | 164.83   | 149.72   | 134.60  | 118.56  | 100.99  | 82.72   |
| 330.0  | 235.05   | 210.11   | 188.24   | 169.05   | 153.94   | 138.51  | 122.32  | 106.13  | 87.48   |
| 360.0  | 245.02   | 219.93   | 197.52   | 178.80   | 161.92   | 145.80  | 129.84  | 115.11  | 98.68   |
| C/γ(°) | 54.0     | 56.0     | 58.0     | 60.0     | 62.0     | 64.0    | 66.0    | 68.0    | 70.0    |
| 0.0    | 80.27    | 63.16    | 46.96    | 36.68    | 31.46    | 28.16   | 24.86   | 21.72   | 18.49   |
| 30.0   | 88.09    | 70.29    | 52.57    | 40.75    | 34.22    | 30.23   | 26.78   | 23.10   | 20.03   |
| 60.0   | 89.63    | 72.52    | 54.87    | 42.13    | 35.22    | 31.69   | 28.39   | 25.32   | 22.25   |
| 90.0   | 90.40    | 74.44    | 58.55    | 44.66    | 36.91    | 33.30   | 30.31   | 27.70   | 25.02   |
| 120.0  | 79.42    | 65.30    | 49.73    | 36.76    | 31.00    | 29.01   | 26.17   | 23.25   | 20.26   |
| 150.0  | 75.66    | 59.32    | 45.58    | 34.61    | 29.47    | 26.78   | 23.87   | 20.80   | 17.65   |
| 180.0  | 65.99    | 50.65    | 39.06    | 31.92    | 28.62    | 25.09   | 21.33   | 19.41   | 16.65   |
| 210.0  | 67.99    | 52.57    | 39.67    | 33.30    | 29.77    | 26.32   | 23.17   | 20.11   | 17.04   |
| 240.0  | 65.46    | 50.03    | 38.83    | 34.38    | 31.23    | 28.09   | 25.02   | 22.10   | 19.41   |
| 270.0  | 63.08    | 47.96    | 39.06    | 35.84    | 32.84    | 29.93   | 27.17   | 24.71   | 22.10   |
| 300.0  | 64.61    | 48.96    | 38.14    | 33.99    | 31.08    | 27.86   | 24.94   | 21.95   | 19.18   |
| 330.0  | 69.37    | 52.80    | 40.44    | 34.53    | 30.93    | 27.47   | 24.02   | 21.10   | 17.96   |
| 360.0  | 80.27    | 63.16    | 46.96    | 36.68    | 31.46    | 28.16   | 24.86   | 21.72   | 18.49   |

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/26  
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    | 16.19 | 14.89 | 15.73 | 17.73 | 19.26 | 16.96 | 10.44 | 3.38 | 1.76 |
| 30.0   | 17.04 | 14.27 | 11.89 | 9.67  | 7.67  | 5.53  | 3.15  | 1.76 | 0.77 |
| 60.0   | 19.26 | 16.50 | 13.81 | 11.05 | 8.06  | 5.29  | 2.84  | 1.46 | 0.61 |
| 90.0   | 22.41 | 19.95 | 17.11 | 13.58 | 10.82 | 8.06  | 4.68  | 2.30 | 1.07 |
| 120.0  | 17.57 | 15.12 | 12.66 | 10.28 | 7.60  | 5.06  | 2.76  | 1.53 | 0.84 |
| 150.0  | 14.73 | 12.66 | 10.82 | 8.98  | 7.21  | 5.68  | 3.76  | 2.46 | 1.53 |
| 180.0  | 14.35 | 13.97 | 14.58 | 16.58 | 17.34 | 14.12 | 7.75  | 2.99 | 1.84 |
| 210.0  | 14.43 | 11.97 | 9.67  | 7.67  | 5.99  | 3.68  | 2.23  | 1.07 | 0.46 |
| 240.0  | 16.58 | 13.89 | 11.36 | 8.36  | 5.53  | 2.84  | 1.53  | 0.77 | 0.38 |
| 270.0  | 19.49 | 16.81 | 13.81 | 10.51 | 7.06  | 3.91  | 2.00  | 0.77 | 0.31 |
| 300.0  | 16.50 | 13.97 | 11.13 | 8.21  | 5.76  | 2.92  | 1.69  | 1.00 | 0.46 |
| 330.0  | 15.12 | 12.74 | 10.74 | 8.67  | 6.60  | 4.45  | 2.84  | 1.84 | 1.07 |
| 360.0  | 16.19 | 14.89 | 15.73 | 17.73 | 19.26 | 16.96 | 10.44 | 3.38 | 1.76 |
| C/γ(°) | 90.0  |       |       |       |       |       |       |      |      |
| 0.0    | 0.38  |       |       |       |       |       |       |      |      |
| 30.0   | 0.31  |       |       |       |       |       |       |      |      |
| 60.0   | 0.31  |       |       |       |       |       |       |      |      |
| 90.0   | 0.38  |       |       |       |       |       |       |      |      |
| 120.0  | 0.31  |       |       |       |       |       |       |      |      |
| 150.0  | 1.07  |       |       |       |       |       |       |      |      |
| 180.0  | 1.23  |       |       |       |       |       |       |      |      |
| 210.0  | 0.00  |       |       |       |       |       |       |      |      |
| 240.0  | 0.08  |       |       |       |       |       |       |      |      |
| 270.0  | 0.08  |       |       |       |       |       |       |      |      |
| 300.0  | 0.23  |       |       |       |       |       |       |      |      |
| 330.0  | 0.84  |       |       |       |       |       |       |      |      |
| 360.0  | 0.38  |       |       |       |       |       |       |      |      |