

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3081A-12-UN-RC-Y (40-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.3000

测试编号: 20210224011

电流(A): 0.2790

光源规格型号: XL

功率(W): 54.1000

每个光源光通量(lm)

功率因数: 0.9590

光源数量: 12

镇流器型号:

发光面长度(mm): 320

发光面宽度(mm): 105

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): 2183.85

灯具效能(lm/w): 40.37

中心光强(cd): 3057.993

最大光强(cd): 3130.894

最大光强角度:  $C=30.0$   $\gamma=0.0$

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=80.2

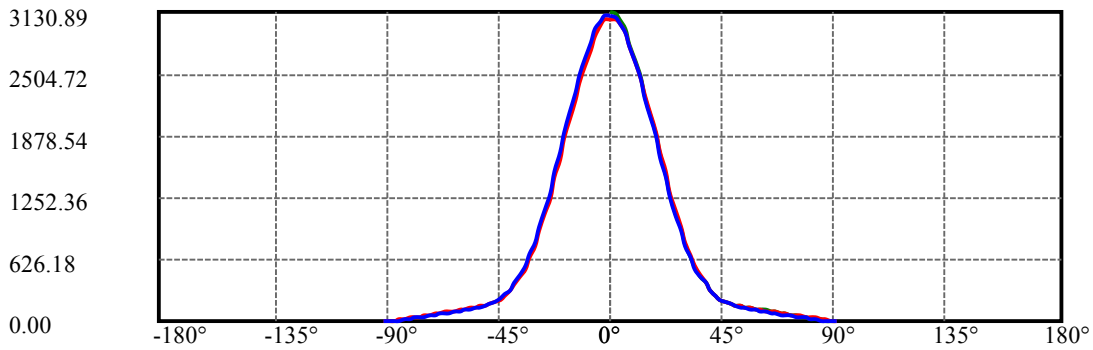
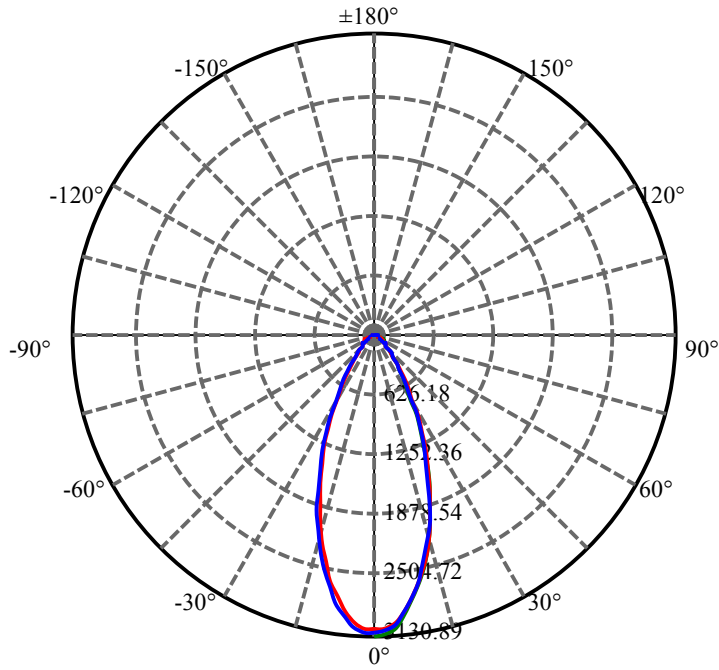
[C90/270]Total=80.3

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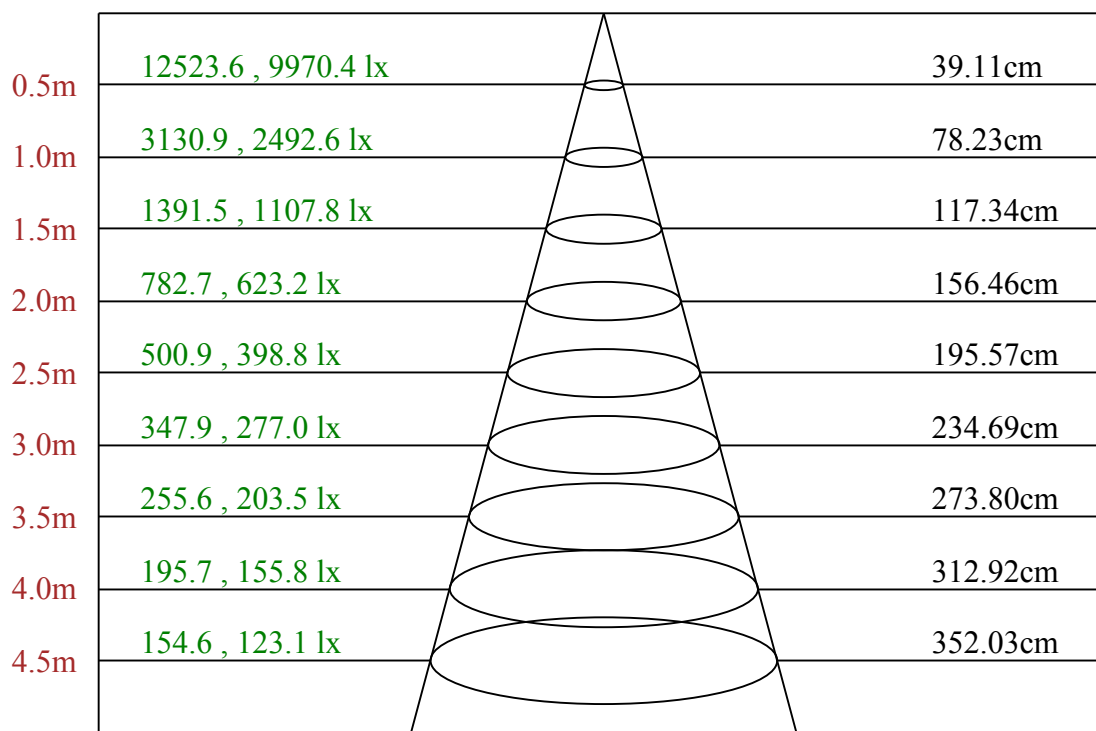
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/24  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

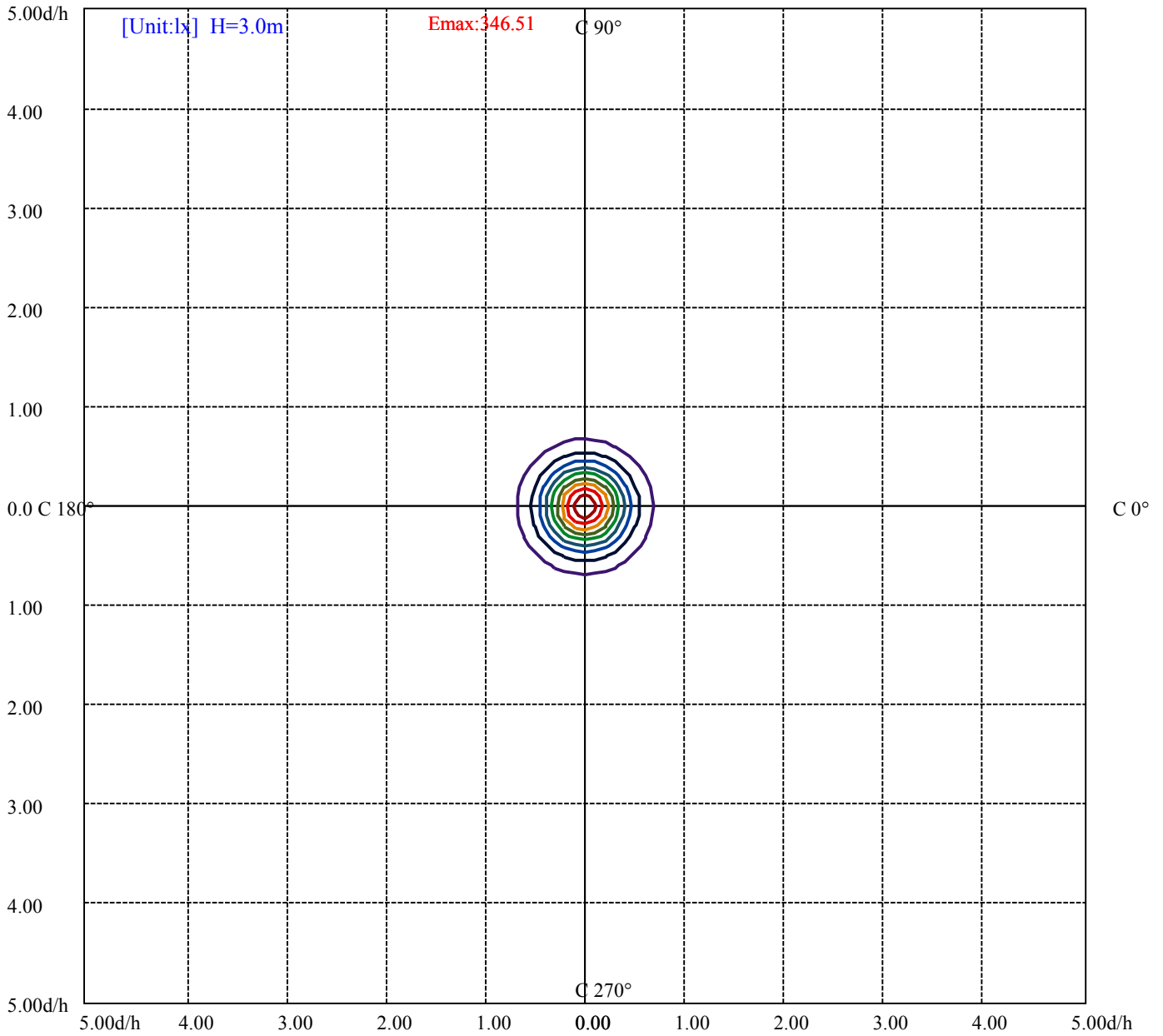


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角42.72

ROLED 投光灯  
平面等照度曲线



|                    |   |
|--------------------|---|
| (10%Emax) 34.65122 | — |
| (20%Emax) 69.30244 | — |
| (30%Emax) 103.9538 | — |
| (40%Emax) 138.6044 | — |
| (50%Emax) 173.2567 | — |
| (60%Emax) 207.9078 | — |
| (70%Emax) 242.5589 | — |
| (80%Emax) 277.21   | — |
| (90%Emax) 311.8611 | — |

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/24  
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)

附页 第 5页 共8页

亮度值表

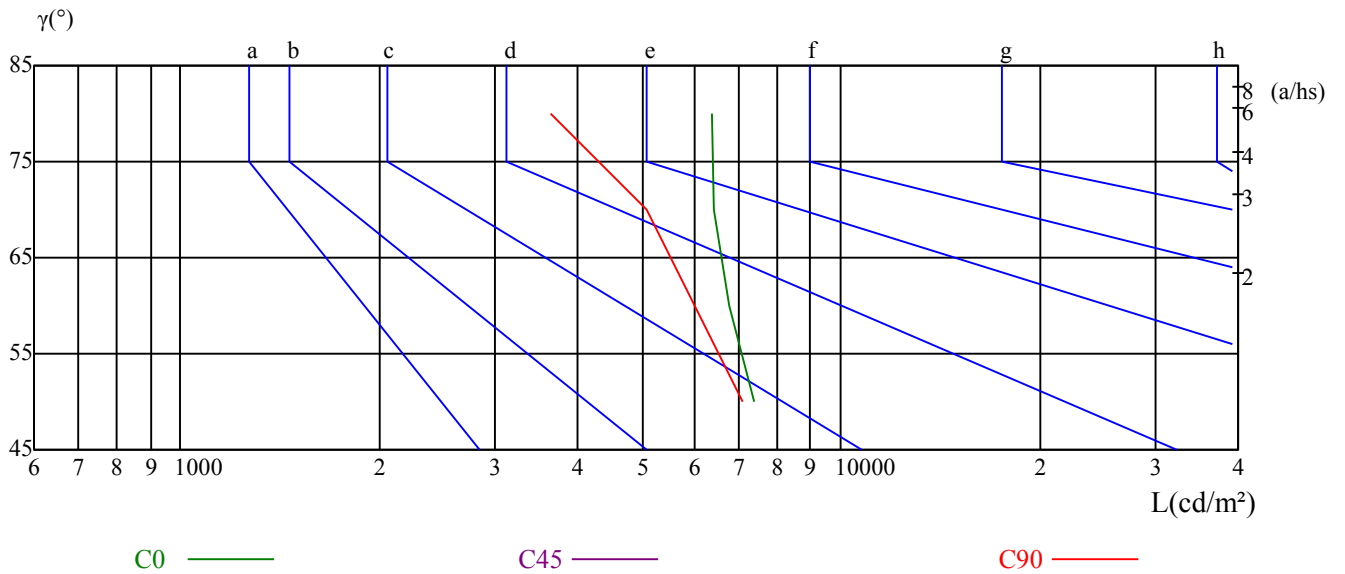
| $\gamma$ | 45 | 50   | 55 | 60   | 65 | 70   | 75 | 80   | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0       | 0  | 7380 | 0  | 6792 | 0  | 6437 | 0  | 6392 | 0  |
| C45      | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  |
| C90      | 0  | 7120 | 0  | 6016 | 0  | 5075 | 0  | 3630 | 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) |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| 858625 | 840794 | 0       | 813591 | 801400 | 0       | 383068 | 379045 | 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



测试设备: GMS1800  
环境温度( $^{\circ}\text{C}$ ): 25.0

测试日期: 2021/2/24  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

| 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               | 12.71 | 13.88 | 13.08 | 14.20 | 14.51          | 13.19 | 14.36 | 13.55 | 14.67 | 14.99 |
|                 | 3H               | 14.19 | 15.23 | 14.57 | 15.56 | 15.93          | 14.99 | 16.03 | 15.37 | 16.37 | 16.73 |
|                 | 4H               | 14.71 | 15.68 | 15.11 | 16.03 | 16.41          | 15.67 | 16.64 | 16.08 | 16.99 | 17.38 |
|                 | 6H               | 15.06 | 15.95 | 15.48 | 16.32 | 16.72          | 16.22 | 17.11 | 16.63 | 17.48 | 17.88 |
|                 | 8H               | 15.15 | 15.99 | 15.58 | 16.38 | 16.79          | 16.41 | 17.25 | 16.84 | 17.64 | 18.05 |
|                 | 12H              | 15.21 | 16.02 | 15.65 | 16.40 | 16.83          | 16.63 | 17.44 | 17.06 | 17.82 | 18.25 |
| 4H              | 2H               | 13.33 | 14.30 | 13.73 | 14.65 | 15.04          | 13.70 | 14.67 | 14.11 | 15.03 | 15.41 |
|                 | 3H               | 14.97 | 15.77 | 15.39 | 16.18 | 16.58          | 15.74 | 16.54 | 16.15 | 16.95 | 17.35 |
|                 | 4H               | 15.59 | 16.31 | 16.03 | 16.73 | 17.17          | 16.53 | 17.25 | 16.97 | 17.67 | 18.11 |
|                 | 6H               | 15.97 | 16.58 | 16.43 | 17.03 | 17.50          | 17.07 | 17.69 | 17.54 | 18.13 | 18.60 |
|                 | 8H               | 16.08 | 16.66 | 16.56 | 17.11 | 17.58          | 17.30 | 17.87 | 17.77 | 18.32 | 18.80 |
|                 | 12H              | 16.16 | 16.66 | 16.64 | 17.14 | 17.62          | 17.53 | 18.04 | 18.02 | 18.52 | 19.00 |
| 8H              | 4H               | 15.87 | 16.44 | 16.34 | 16.89 | 17.37          | 16.70 | 17.27 | 17.17 | 17.72 | 18.19 |
|                 | 6H               | 16.36 | 16.83 | 16.87 | 17.32 | 17.81          | 17.34 | 17.80 | 17.84 | 18.30 | 18.78 |
|                 | 8H               | 16.53 | 16.94 | 17.06 | 17.46 | 17.96          | 17.63 | 18.04 | 18.16 | 18.56 | 19.05 |
|                 | 12H              | 17.15 | 17.50 | 17.66 | 18.00 | 18.57          | 18.37 | 18.73 | 18.89 | 19.23 | 19.80 |
| 12H             | 4H               | 15.88 | 16.38 | 16.37 | 16.87 | 17.34          | 16.68 | 17.19 | 17.17 | 17.67 | 18.15 |
|                 | 6H               | 16.86 | 16.81 | 16.93 | 17.28 | 17.83          | 17.80 | 17.76 | 17.88 | 18.23 | 18.77 |
|                 | 8H               | 16.61 | 16.97 | 17.13 | 17.46 | 18.04          | 17.67 | 18.03 | 18.19 | 18.53 | 19.10 |
| 对应照射距离，改变观察者位置S |                  |       |       |       |       |                |       |       |       |       |       |
| S = 1.0H        | 0.9/-0.8         |       |       |       |       | 0.7/-0.7       |       |       |       |       |       |
| S = 1.5H        | 1.5/-1.1         |       |       |       |       | 1.2/-0.9       |       |       |       |       |       |
| S = 2.0H        | 3.0/-1.3         |       |       |       |       | 2.3/-1.0       |       |       |       |       |       |
| 标准表格            | BK3              |       |       |       |       | BK3            |       |       |       |       |       |
| 更正系数            | 1.1              |       |       |       |       | 1.9            |       |       |       |       |       |

# 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    | 3057.99 | 3046.48 | 3005.04 | 2911.42 | 2773.30 | 2622.12 | 2453.30 | 2286.78 | 2101.08 |
| 30.0   | 3130.89 | 3115.55 | 3057.23 | 2951.33 | 2790.95 | 2635.17 | 2460.21 | 2282.94 | 2085.73 |
| 60.0   | 3106.34 | 3087.15 | 3024.23 | 2893.77 | 2751.04 | 2589.89 | 2422.61 | 2233.06 | 2036.62 |
| 90.0   | 3088.69 | 3074.88 | 3021.93 | 2916.03 | 2775.60 | 2618.29 | 2444.86 | 2262.99 | 2061.94 |
| 120.0  | 3074.11 | 3061.06 | 3005.81 | 2893.77 | 2760.25 | 2603.71 | 2429.51 | 2249.95 | 2050.43 |
| 150.0  | 3065.67 | 3058.76 | 3014.25 | 2920.63 | 2780.97 | 2625.96 | 2457.14 | 2281.41 | 2084.19 |
| 180.0  | 3057.99 | 3049.55 | 2997.37 | 2886.10 | 2744.90 | 2585.29 | 2410.33 | 2232.30 | 2038.15 |
| 210.0  | 3130.89 | 3128.59 | 3085.62 | 2987.39 | 2842.36 | 2675.84 | 2494.74 | 2318.24 | 2117.19 |
| 240.0  | 3106.34 | 3105.57 | 3071.04 | 2981.26 | 2846.96 | 2688.89 | 2517.76 | 2333.59 | 2149.42 |
| 270.0  | 3088.69 | 3084.85 | 3041.88 | 2949.79 | 2816.27 | 2657.42 | 2482.46 | 2309.80 | 2111.05 |
| 300.0  | 3074.11 | 3069.50 | 3033.44 | 2946.72 | 2821.64 | 2675.07 | 2503.95 | 2325.92 | 2145.58 |
| 330.0  | 3065.67 | 3054.16 | 3008.11 | 2905.29 | 2781.74 | 2631.33 | 2463.28 | 2284.48 | 2098.77 |
| 360.0  | 3057.99 | 3046.48 | 3005.04 | 2911.42 | 2773.30 | 2622.12 | 2453.30 | 2286.78 | 2101.08 |
| C/γ(°) | 18.0    | 20.0    | 22.0    | 24.0    | 26.0    | 28.0    | 30.0    | 32.0    | 34.0    |
| 0.0    | 1900.79 | 1711.25 | 1509.43 | 1304.54 | 1121.14 | 959.22  | 800.37  | 668.38  | 557.88  |
| 30.0   | 1883.91 | 1686.69 | 1477.20 | 1279.22 | 1093.51 | 930.06  | 775.82  | 648.43  | 534.86  |
| 60.0   | 1843.24 | 1623.00 | 1436.37 | 1239.62 | 1066.19 | 900.75  | 759.70  | 628.33  | 519.13  |
| 90.0   | 1869.33 | 1659.07 | 1453.41 | 1256.96 | 1073.56 | 914.71  | 765.84  | 641.53  | 529.49  |
| 120.0  | 1856.28 | 1639.12 | 1453.64 | 1255.50 | 1080.08 | 913.94  | 765.30  | 641.30  | 532.25  |
| 150.0  | 1893.88 | 1686.69 | 1478.73 | 1279.22 | 1102.72 | 933.13  | 782.72  | 656.87  | 543.30  |
| 180.0  | 1838.63 | 1635.28 | 1451.65 | 1253.74 | 1080.16 | 914.79  | 765.92  | 641.53  | 530.87  |
| 210.0  | 1910.00 | 1719.69 | 1520.02 | 1324.95 | 1140.01 | 965.13  | 806.90  | 677.98  | 558.80  |
| 240.0  | 1944.53 | 1751.92 | 1548.56 | 1344.44 | 1158.74 | 994.52  | 833.37  | 695.24  | 580.14  |
| 270.0  | 1904.63 | 1711.25 | 1512.57 | 1310.14 | 1126.20 | 961.91  | 804.82  | 677.67  | 559.95  |
| 300.0  | 1941.46 | 1748.85 | 1546.26 | 1341.37 | 1153.37 | 988.38  | 828.00  | 692.94  | 580.90  |
| 330.0  | 1894.65 | 1702.04 | 1501.60 | 1297.33 | 1113.23 | 948.02  | 792.39  | 661.17  | 552.82  |
| 360.0  | 1900.79 | 1711.25 | 1509.43 | 1304.54 | 1121.14 | 959.22  | 800.37  | 668.38  | 557.88  |
| C/γ(°) | 36.0    | 38.0    | 40.0    | 42.0    | 44.0    | 46.0    | 48.0    | 50.0    | 52.0    |
| 0.0    | 458.89  | 390.59  | 314.70  | 262.29  | 222.92  | 194.68  | 172.74  | 159.38  | 149.02  |
| 30.0   | 443.54  | 390.59  | 305.80  | 255.23  | 218.01  | 192.00  | 172.66  | 161.46  | 150.87  |
| 60.0   | 428.96  | 353.68  | 295.67  | 247.40  | 212.64  | 187.01  | 169.13  | 156.39  | 145.57  |
| 90.0   | 438.94  | 387.52  | 303.57  | 254.15  | 216.78  | 188.85  | 167.83  | 153.78  | 141.27  |
| 120.0  | 441.86  | 365.35  | 305.49  | 255.84  | 220.16  | 192.38  | 173.66  | 160.54  | 148.72  |
| 150.0  | 452.75  | 389.06  | 314.01  | 262.21  | 225.53  | 196.52  | 176.34  | 164.68  | 154.86  |
| 180.0  | 439.17  | 362.97  | 302.73  | 252.62  | 216.71  | 187.78  | 170.20  | 158.16  | 148.10  |
| 210.0  | 462.50  | 387.37  | 320.00  | 266.36  | 227.07  | 198.67  | 177.88  | 165.52  | 155.01  |
| 240.0  | 476.54  | 395.20  | 328.28  | 273.88  | 231.52  | 200.05  | 178.18  | 162.84  | 150.94  |
| 270.0  | 462.65  | 383.99  | 320.07  | 266.51  | 226.68  | 196.22  | 173.04  | 157.54  | 144.27  |
| 300.0  | 480.38  | 399.04  | 334.81  | 276.79  | 234.97  | 202.89  | 180.56  | 165.52  | 153.86  |
| 330.0  | 458.66  | 384.99  | 317.69  | 264.97  | 226.68  | 198.21  | 177.34  | 165.45  | 155.16  |
| 360.0  | 458.89  | 390.59  | 314.70  | 262.29  | 222.92  | 194.68  | 172.74  | 159.38  | 149.02  |
| C/γ(°) | 54.0    | 56.0    | 58.0    | 60.0    | 62.0    | 64.0    | 66.0    | 68.0    | 70.0    |
| 0.0    | 139.66  | 130.68  | 122.17  | 114.11  | 106.28  | 98.76   | 89.78   | 82.03   | 73.98   |
| 30.0   | 141.20  | 132.76  | 124.08  | 116.18  | 108.12  | 100.60  | 91.93   | 83.26   | 73.90   |
| 60.0   | 135.37  | 125.54  | 116.41  | 106.97  | 97.61   | 88.02   | 78.73   | 68.68   | 60.09   |
| 90.0   | 129.92  | 119.56  | 110.27  | 101.06  | 91.78   | 82.95   | 74.05   | 66.76   | 58.32   |
| 120.0  | 138.36  | 128.15  | 118.56  | 108.97  | 99.30   | 89.48   | 80.04   | 69.68   | 60.62   |
| 150.0  | 144.65  | 135.37  | 126.85  | 118.25  | 110.20  | 102.06  | 92.39   | 82.88   | 72.44   |
| 180.0  | 138.66  | 129.23  | 121.09  | 112.50  | 104.82  | 96.69   | 88.71   | 80.73   | 72.29   |
| 210.0  | 144.65  | 136.21  | 127.23  | 118.41  | 109.96  | 102.06  | 93.70   | 85.72   | 76.05   |
| 240.0  | 139.28  | 129.76  | 119.86  | 110.35  | 100.76  | 91.24   | 81.27   | 72.21   | 63.23   |
| 270.0  | 132.07  | 122.01  | 111.27  | 102.14  | 93.24   | 84.41   | 75.51   | 68.37   | 60.16   |
| 300.0  | 142.12  | 131.84  | 121.63  | 111.96  | 102.52  | 93.01   | 83.26   | 73.21   | 63.62   |
| 330.0  | 144.50  | 135.83  | 126.31  | 118.33  | 110.35  | 102.14  | 94.08   | 85.33   | 76.12   |
| 360.0  | 139.66  | 130.68  | 122.17  | 114.11  | 106.28  | 98.76   | 89.78   | 82.03   | 73.98   |

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## 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    | 65.69 | 58.01 | 50.26 | 43.36 | 37.29 | 29.31 | 20.49 | 13.28 | 5.29 |
| 30.0   | 64.54 | 54.87 | 44.89 | 35.30 | 26.78 | 19.41 | 12.66 | 5.83  | 1.84 |
| 60.0   | 51.87 | 43.82 | 35.76 | 29.24 | 24.25 | 14.12 | 7.60  | 4.14  | 1.92 |
| 90.0   | 50.57 | 42.90 | 36.22 | 30.39 | 21.18 | 11.36 | 8.44  | 3.61  | 2.15 |
| 120.0  | 52.80 | 44.51 | 36.14 | 27.86 | 21.49 | 11.82 | 6.75  | 3.30  | 1.69 |
| 150.0  | 63.46 | 53.56 | 42.82 | 31.16 | 22.33 | 17.19 | 10.51 | 3.84  | 1.53 |
| 180.0  | 64.54 | 56.33 | 48.19 | 41.28 | 34.76 | 25.63 | 17.96 | 9.52  | 1.00 |
| 210.0  | 66.15 | 56.40 | 46.12 | 36.22 | 27.86 | 20.57 | 13.81 | 6.14  | 2.15 |
| 240.0  | 54.71 | 47.19 | 39.06 | 31.77 | 26.78 | 18.03 | 8.44  | 5.76  | 2.15 |
| 270.0  | 51.80 | 44.05 | 37.22 | 33.23 | 25.09 | 13.97 | 8.82  | 5.22  | 2.38 |
| 300.0  | 55.02 | 47.42 | 39.29 | 32.00 | 26.86 | 18.72 | 8.36  | 5.60  | 2.07 |
| 330.0  | 65.53 | 56.56 | 46.35 | 36.53 | 27.78 | 20.57 | 13.35 | 7.29  | 2.15 |
| 360.0  | 65.69 | 58.01 | 50.26 | 43.36 | 37.29 | 29.31 | 20.49 | 13.28 | 5.29 |

| C/γ(°) | 90.0 |
|--------|------|
| 0.0    | 0.54 |
| 30.0   | 0.54 |
| 60.0   | 0.46 |
| 90.0   | 0.46 |
| 120.0  | 0.38 |
| 150.0  | 0.38 |
| 180.0  | 0.31 |
| 210.0  | 0.69 |
| 240.0  | 1.00 |
| 270.0  | 0.92 |
| 300.0  | 1.07 |
| 330.0  | 0.84 |
| 360.0  | 0.54 |