

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2221A-9-36DC-RC-Y (3015-XL-9RGBWN-C, CT)

报告编号:

电压(V): 36.2000

测试编号: 20210224004

电流(A): 0.9970

光源规格型号: XL

功率(W): 36.1000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 9

镇流器型号:

发光面长度(mm): 156

发光面宽度(mm): 156

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2203.91

灯具效能(lm/w): 61.05

中心光强(cd): 11696.340

最大光强(cd): 13053.830

最大光强角度: C=240.0 $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=12.9

[C90/270]Total=28.0

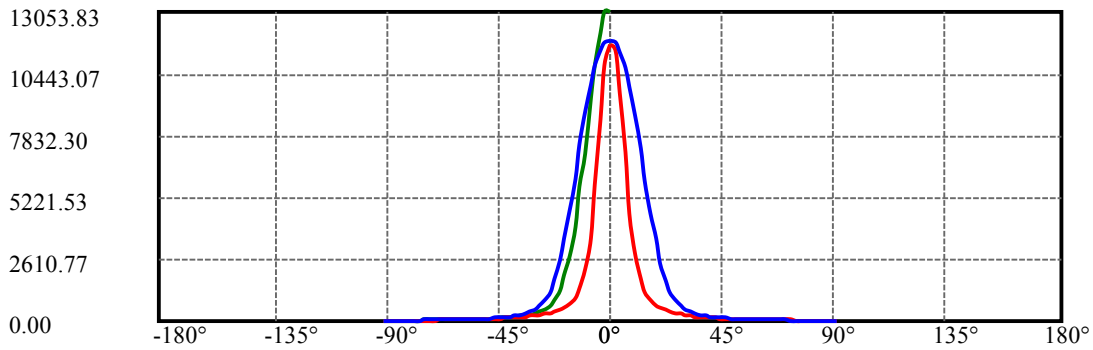
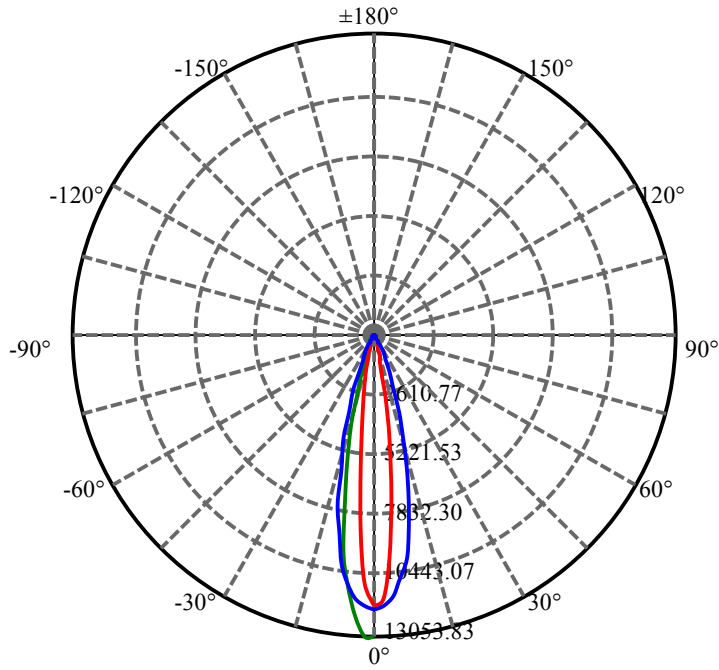
光束扩散角(10%Imax): [C0/180]Total=27.2

[C90/270]Total=48.5

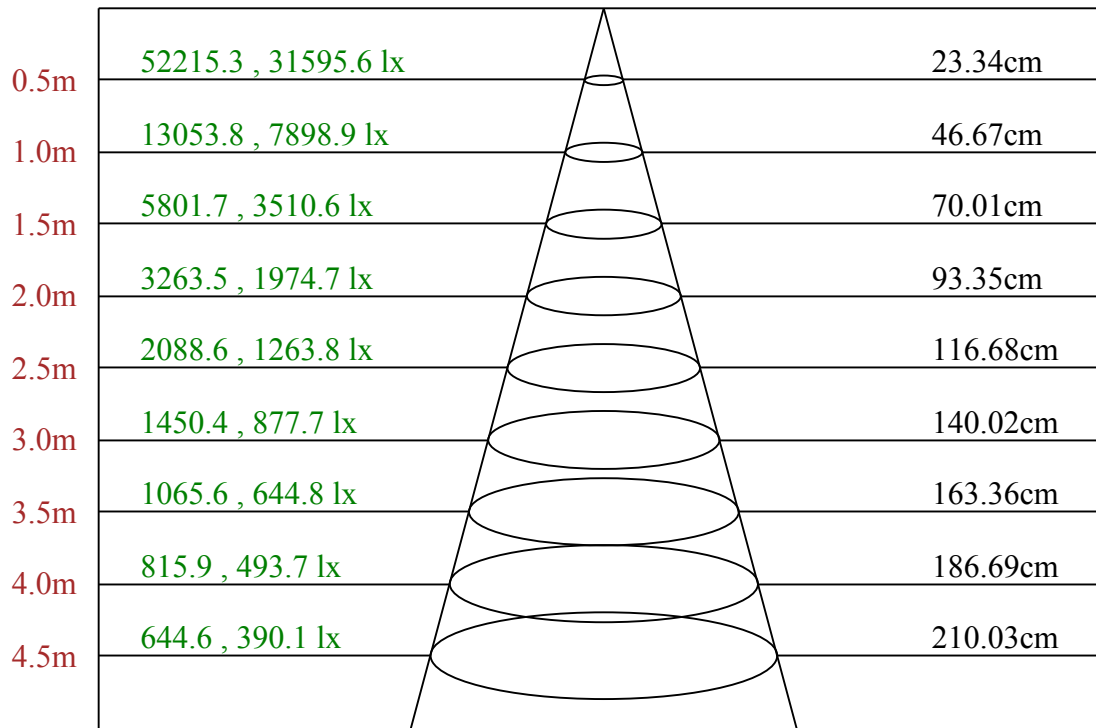
测试设备: GMS1800
环境温度(°C): 25.0

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

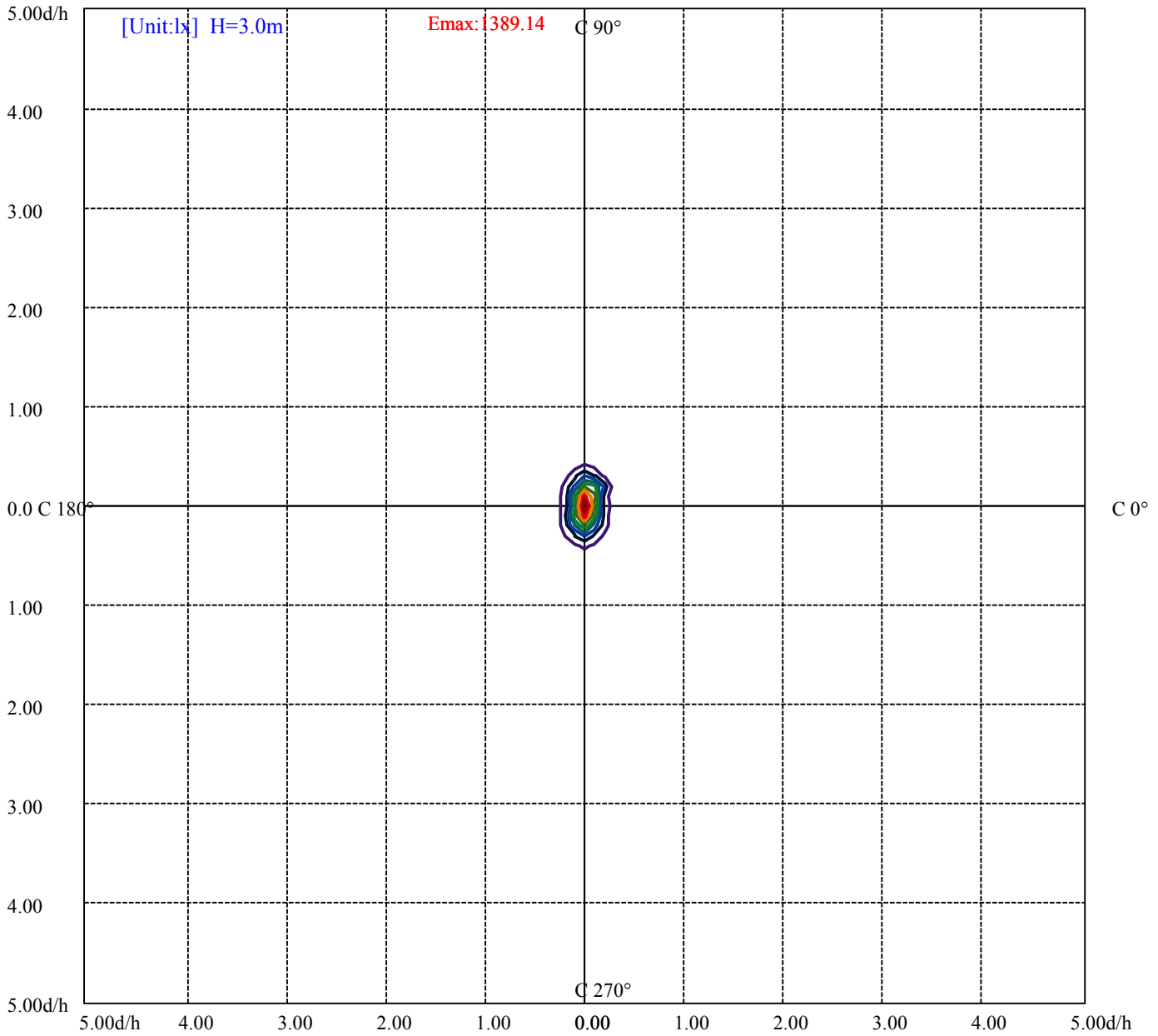


C240(Max): —
C0/C180: —
C90/C270: —



Max , Ave C240面光束角26.23

ROLED 投光灯
平面等照度曲线



- (10%Emax) 138.9133
- (20%Emax) 277.8267
- (30%Emax) 416.74
- (40%Emax) 555.6522
- (50%Emax) 694.5656
- (60%Emax) 833.4789
- (70%Emax) 972.3923
- (80%Emax) 1111.3
- (90%Emax) 1250.222

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)

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亮度值表

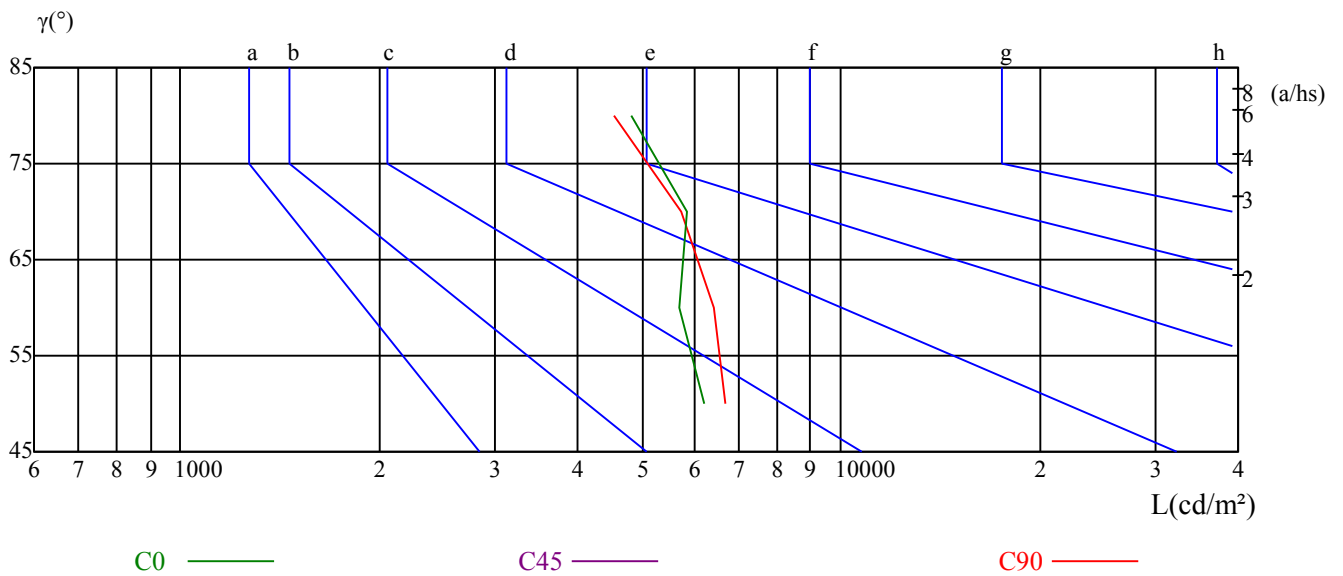
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|------|----|------|----|------|----|------|----|
| C0 | 0 | 6225 | 0 | 5701 | 0 | 5836 | 0 | 4830 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 6672 | 0 | 6407 | 0 | 5735 | 0 | 4540 | 0 |

| L横(65) | L纵(65) | L45(65) | L横(75) | L纵(75) | L45(75) | L横(85) | L纵(85) | L45(85) |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| 635253 | 718558 | 0 | 640881 | 606287 | 0 | 406730 | 365088 | 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



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

| 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 | 11.35 | 12.42 | 11.72 | 12.73 | 13.05 | 10.77 | 11.84 | 11.14 | 12.15 | 12.47 |
| | 3H | 13.46 | 14.41 | 13.84 | 14.74 | 15.11 | 12.74 | 13.68 | 13.12 | 14.02 | 14.38 |
| | 4H | 14.13 | 15.01 | 14.54 | 15.36 | 15.75 | 13.41 | 14.29 | 13.81 | 14.64 | 15.03 |
| | 6H | 14.59 | 15.40 | 15.01 | 15.78 | 16.17 | 13.81 | 14.62 | 14.23 | 15.00 | 15.39 |
| | 8H | 14.72 | 15.49 | 15.16 | 15.88 | 16.29 | 13.92 | 14.68 | 14.35 | 15.07 | 15.48 |
| | 12H | 14.86 | 15.58 | 15.29 | 15.97 | 16.40 | 14.02 | 14.75 | 14.46 | 15.13 | 15.57 |
| 4H | 2H | 11.96 | 12.84 | 12.37 | 13.20 | 13.58 | 11.52 | 12.40 | 11.93 | 12.76 | 13.15 |
| | 3H | 14.33 | 15.06 | 14.75 | 15.47 | 15.87 | 13.76 | 14.49 | 14.17 | 14.89 | 15.30 |
| | 4H | 15.16 | 15.81 | 15.60 | 16.23 | 16.68 | 14.58 | 15.23 | 15.02 | 15.65 | 16.10 |
| | 6H | 15.64 | 16.19 | 16.10 | 16.64 | 17.12 | 15.00 | 15.56 | 15.47 | 16.01 | 16.48 |
| | 8H | 15.81 | 16.32 | 16.28 | 16.77 | 17.25 | 15.13 | 15.65 | 15.61 | 16.10 | 16.57 |
| | 12H | 15.94 | 16.39 | 16.43 | 16.88 | 17.35 | 15.23 | 15.69 | 15.72 | 16.17 | 16.65 |
| 8H | 4H | 15.47 | 15.99 | 15.94 | 16.44 | 16.91 | 14.97 | 15.49 | 15.45 | 15.94 | 16.41 |
| | 6H | 16.11 | 16.52 | 16.61 | 17.02 | 17.51 | 15.55 | 15.96 | 16.05 | 16.46 | 16.95 |
| | 8H | 16.35 | 16.72 | 16.88 | 17.24 | 17.73 | 15.75 | 16.11 | 16.28 | 16.64 | 17.13 |
| | 12H | 16.98 | 17.29 | 17.50 | 17.79 | 18.37 | 16.33 | 16.64 | 16.85 | 17.14 | 17.72 |
| 12H | 4H | 15.46 | 15.92 | 15.95 | 16.40 | 16.88 | 14.99 | 15.44 | 15.48 | 15.93 | 16.40 |
| | 6H | 16.49 | 16.51 | 16.68 | 16.98 | 17.53 | 15.96 | 15.98 | 16.14 | 16.45 | 16.99 |
| | 8H | 16.43 | 16.75 | 16.95 | 17.25 | 17.83 | 15.86 | 16.18 | 16.38 | 16.67 | 17.25 |
| 对应照射距离，改变观察者位置S | | | | | | | | | | | |
| S = 1.0H | 0.4/-0.5 | | | | | 0.2/-0.7 | | | | | |
| S = 1.5H | 0.8/-0.7 | | | | | 0.7/-0.6 | | | | | |
| S = 2.0H | 1.5/-0.7 | | | | | 0.7/-0.7 | | | | | |
| 标准表格 | BK4 | | | | | BKBF | | | | | |
| 更正系数 | 0.4 | | | | | 3.0 | | | | | |

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 | 11696.34 | 11364.07 | 9681.98 | 7095.93 | 4505.26 | 2811.67 | 1751.15 | 1177.15 | 857.93 |
| 30.0 | 11987.18 | 11469.20 | 9842.36 | 7479.61 | 5155.23 | 3288.97 | 2111.82 | 1428.85 | 1003.73 |
| 60.0 | 13017.00 | 13032.35 | 11974.90 | 10378.76 | 11106.23 | 8211.69 | 6683.08 | 7761.24 | 6086.06 |
| 90.0 | 11852.89 | 11733.95 | 11355.63 | 10730.22 | 9860.78 | 8675.19 | 7283.93 | 5879.63 | 4542.87 |
| 120.0 | 11786.90 | 11403.97 | 10583.65 | 9299.06 | 7768.15 | 6056.90 | 4437.74 | 3092.53 | 2147.12 |
| 150.0 | 11763.87 | 11153.81 | 9599.11 | 7271.65 | 4864.40 | 3075.64 | 1966.78 | 1329.86 | 936.97 |
| 180.0 | 11696.34 | 10757.84 | 8529.38 | 5737.67 | 3473.91 | 2172.44 | 1413.97 | 1001.89 | 754.48 |
| 210.0 | 11987.18 | 11489.15 | 9886.11 | 7440.48 | 5156.77 | 3271.32 | 2073.45 | 1428.09 | 1005.65 |
| 240.0 | 13017.00 | 13053.83 | 12187.47 | 10801.58 | 9394.98 | 7032.23 | 5636.38 | 4004.94 | 2775.60 |
| 270.0 | 11852.89 | 11766.18 | 11403.21 | 10773.19 | 9964.38 | 8817.15 | 7474.24 | 5963.28 | 4680.23 |
| 300.0 | 11786.90 | 11679.46 | 11053.28 | 10003.51 | 8558.54 | 6894.11 | 5166.74 | 3764.75 | 2600.64 |
| 330.0 | 11763.87 | 11371.74 | 9904.52 | 7568.63 | 5319.45 | 3405.61 | 2153.26 | 1442.97 | 1022.99 |
| 360.0 | 11696.34 | 11364.07 | 9681.98 | 7095.93 | 4505.26 | 2811.67 | 1751.15 | 1177.15 | 857.93 |
| C/γ(°) | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 |
| 0.0 | 671.45 | 543.30 | 451.22 | 390.59 | 331.05 | 289.07 | 253.69 | 226.61 | 201.21 |
| 30.0 | 765.07 | 600.09 | 491.12 | 415.92 | 351.84 | 304.34 | 263.67 | 231.13 | 202.05 |
| 60.0 | 1508.97 | 1073.87 | 791.93 | 596.71 | 472.55 | 382.00 | 315.85 | 267.51 | 227.60 |
| 90.0 | 3470.07 | 2449.46 | 1735.80 | 1202.48 | 861.76 | 626.18 | 473.47 | 387.52 | 303.34 |
| 120.0 | 1466.53 | 1013.09 | 741.59 | 557.19 | 440.86 | 356.60 | 295.36 | 248.94 | 213.33 |
| 150.0 | 714.43 | 560.18 | 456.59 | 387.52 | 325.83 | 279.09 | 243.49 | 212.49 | 186.86 |
| 180.0 | 598.94 | 489.82 | 413.31 | 351.61 | 303.65 | 267.81 | 236.04 | 209.03 | 186.17 |
| 210.0 | 752.87 | 604.92 | 494.80 | 417.07 | 353.15 | 305.34 | 263.90 | 232.05 | 202.66 |
| 240.0 | 1905.39 | 1298.40 | 874.81 | 647.67 | 504.93 | 409.78 | 335.96 | 282.16 | 241.42 |
| 270.0 | 3508.44 | 2592.20 | 1807.17 | 1253.43 | 903.66 | 655.34 | 491.43 | 384.76 | 311.86 |
| 300.0 | 1748.08 | 1227.80 | 870.20 | 647.67 | 498.03 | 397.50 | 325.21 | 275.41 | 234.20 |
| 330.0 | 755.10 | 599.78 | 485.29 | 402.49 | 341.56 | 294.21 | 253.77 | 221.69 | 195.53 |
| 360.0 | 671.45 | 543.30 | 451.22 | 390.59 | 331.05 | 289.07 | 253.69 | 226.61 | 201.21 |
| C/γ(°) | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 0.0 | 179.26 | 160.69 | 144.27 | 130.38 | 119.94 | 111.58 | 103.90 | 97.38 | 91.16 |
| 30.0 | 177.95 | 159.00 | 142.81 | 129.84 | 119.10 | 110.43 | 102.67 | 96.23 | 90.32 |
| 60.0 | 196.29 | 171.59 | 153.17 | 137.67 | 125.85 | 115.80 | 107.51 | 100.37 | 94.08 |
| 90.0 | 250.24 | 211.57 | 180.49 | 154.63 | 137.51 | 124.01 | 113.34 | 104.36 | 97.46 |
| 120.0 | 186.47 | 163.83 | 146.65 | 132.14 | 120.48 | 111.19 | 103.75 | 97.07 | 91.24 |
| 150.0 | 166.67 | 149.25 | 134.90 | 123.09 | 113.88 | 105.36 | 98.30 | 92.39 | 86.94 |
| 180.0 | 167.98 | 151.48 | 138.28 | 126.62 | 116.03 | 106.44 | 98.45 | 92.01 | 86.33 |
| 210.0 | 178.41 | 159.84 | 143.42 | 130.30 | 119.79 | 110.89 | 103.06 | 96.54 | 90.70 |
| 240.0 | 206.12 | 179.80 | 158.69 | 142.27 | 129.15 | 118.87 | 109.73 | 102.37 | 95.85 |
| 270.0 | 256.00 | 217.93 | 184.48 | 157.31 | 139.97 | 125.62 | 114.57 | 105.67 | 98.45 |
| 300.0 | 200.67 | 176.50 | 155.93 | 138.97 | 126.08 | 116.03 | 107.05 | 100.30 | 93.93 |
| 330.0 | 172.28 | 153.86 | 138.90 | 126.08 | 115.80 | 106.82 | 99.76 | 93.31 | 87.79 |
| 360.0 | 179.26 | 160.69 | 144.27 | 130.38 | 119.94 | 111.58 | 103.90 | 97.38 | 91.16 |
| C/γ(°) | 54.0 | 56.0 | 58.0 | 60.0 | 62.0 | 64.0 | 66.0 | 68.0 | 70.0 |
| 0.0 | 85.10 | 79.50 | 74.44 | 69.37 | 64.92 | 61.08 | 56.94 | 53.10 | 48.57 |
| 30.0 | 85.03 | 80.19 | 75.74 | 71.90 | 67.99 | 64.46 | 60.85 | 57.02 | 53.03 |
| 60.0 | 89.02 | 84.10 | 79.88 | 76.05 | 72.44 | 68.83 | 65.07 | 60.55 | 55.33 |
| 90.0 | 91.47 | 86.33 | 82.19 | 77.97 | 73.98 | 69.75 | 65.00 | 56.71 | 47.73 |
| 120.0 | 86.48 | 81.65 | 77.74 | 74.05 | 70.83 | 67.30 | 63.54 | 59.39 | 54.10 |
| 150.0 | 82.26 | 77.81 | 73.67 | 69.75 | 65.99 | 62.62 | 59.01 | 55.40 | 51.41 |
| 180.0 | 81.65 | 76.35 | 70.68 | 65.15 | 60.16 | 54.48 | 48.11 | 43.66 | 39.83 |
| 210.0 | 85.49 | 81.11 | 76.51 | 72.67 | 68.76 | 65.07 | 61.16 | 57.32 | 53.10 |
| 240.0 | 90.32 | 85.41 | 80.88 | 77.04 | 73.51 | 70.06 | 65.76 | 61.70 | 56.79 |
| 270.0 | 92.32 | 87.33 | 82.88 | 78.50 | 74.44 | 69.98 | 65.53 | 60.55 | 54.87 |
| 300.0 | 88.09 | 83.18 | 78.96 | 75.43 | 72.06 | 68.68 | 65.00 | 61.01 | 56.25 |
| 330.0 | 82.80 | 78.43 | 73.98 | 70.21 | 66.38 | 62.77 | 59.39 | 55.63 | 51.87 |
| 360.0 | 85.10 | 79.50 | 74.44 | 69.37 | 64.92 | 61.08 | 56.94 | 53.10 | 48.57 |

ROLED 投光灯

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 | 43.59 | 37.60 | 31.31 | 25.86 | 20.41 | 15.12 | 10.28 | 4.76 | 0.54 |
| 30.0 | 48.42 | 43.28 | 36.91 | 29.54 | 22.71 | 16.50 | 9.98 | 3.84 | 0.46 |
| 60.0 | 49.88 | 43.89 | 36.53 | 29.01 | 22.56 | 16.04 | 9.90 | 3.53 | 0.38 |
| 90.0 | 37.99 | 31.46 | 24.71 | 21.49 | 19.18 | 14.58 | 9.44 | 4.07 | 0.46 |
| 120.0 | 48.73 | 42.44 | 35.07 | 28.32 | 22.10 | 15.73 | 9.67 | 2.92 | 0.23 |
| 150.0 | 47.12 | 42.05 | 30.70 | 21.87 | 16.35 | 12.89 | 9.13 | 3.45 | 0.23 |
| 180.0 | 34.38 | 26.55 | 20.34 | 14.50 | 12.58 | 11.51 | 7.06 | 2.30 | 0.31 |
| 210.0 | 48.50 | 43.43 | 36.99 | 29.62 | 23.10 | 16.81 | 10.28 | 4.07 | 0.38 |
| 240.0 | 51.26 | 45.89 | 38.98 | 31.46 | 24.48 | 18.34 | 11.66 | 4.99 | 0.54 |
| 270.0 | 48.65 | 40.90 | 34.30 | 28.09 | 22.18 | 16.27 | 10.67 | 4.83 | 0.46 |
| 300.0 | 50.95 | 45.28 | 38.45 | 31.00 | 24.63 | 18.26 | 11.97 | 5.22 | 0.61 |
| 330.0 | 47.58 | 42.67 | 36.76 | 29.08 | 22.94 | 16.50 | 10.13 | 4.60 | 0.46 |
| 360.0 | 43.59 | 37.60 | 31.31 | 25.86 | 20.41 | 15.12 | 10.28 | 4.76 | 0.54 |
| C/γ(°) | 90.0 | | | | | | | | |
| 0.0 | 0.31 | | | | | | | | |
| 30.0 | 0.23 | | | | | | | | |
| 60.0 | 0.15 | | | | | | | | |
| 90.0 | 0.15 | | | | | | | | |
| 120.0 | 0.23 | | | | | | | | |
| 150.0 | 0.15 | | | | | | | | |
| 180.0 | 0.23 | | | | | | | | |
| 210.0 | 0.15 | | | | | | | | |
| 240.0 | 0.15 | | | | | | | | |
| 270.0 | 0.15 | | | | | | | | |
| 300.0 | 0.23 | | | | | | | | |
| 330.0 | 0.23 | | | | | | | | |
| 360.0 | 0.31 | | | | | | | | |