

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2013B-9-36DC (60-OL-9WN-AA, CT)

报告编号:

电压(V): 35.6000

测试编号: 20210315001

电流(A): 0.5420

光源规格型号: OL

功率(W): 19.3000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 9

镇流器型号:

发光面长度(mm): 100

发光面宽度(mm): 100

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1602.85

灯具效能(lm/w): 83.05

中心光强(cd): 1618.396

最大光强(cd): 1655.230

最大光强角度: $C=210.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=53.2

[C90/270]Total=53.1

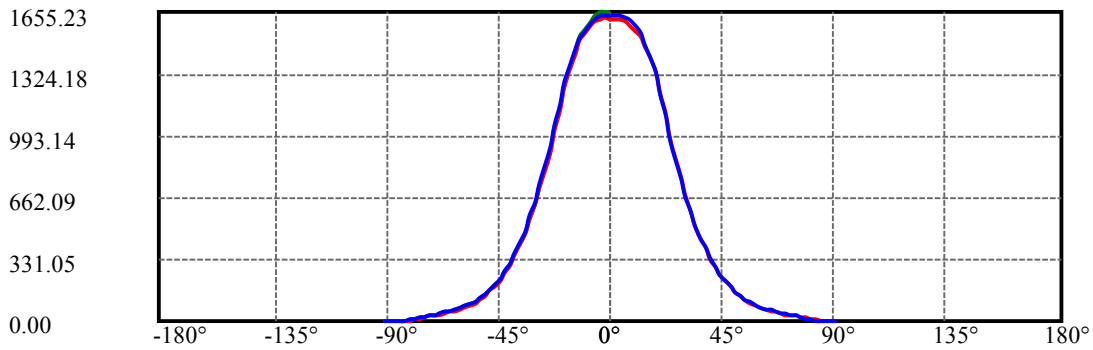
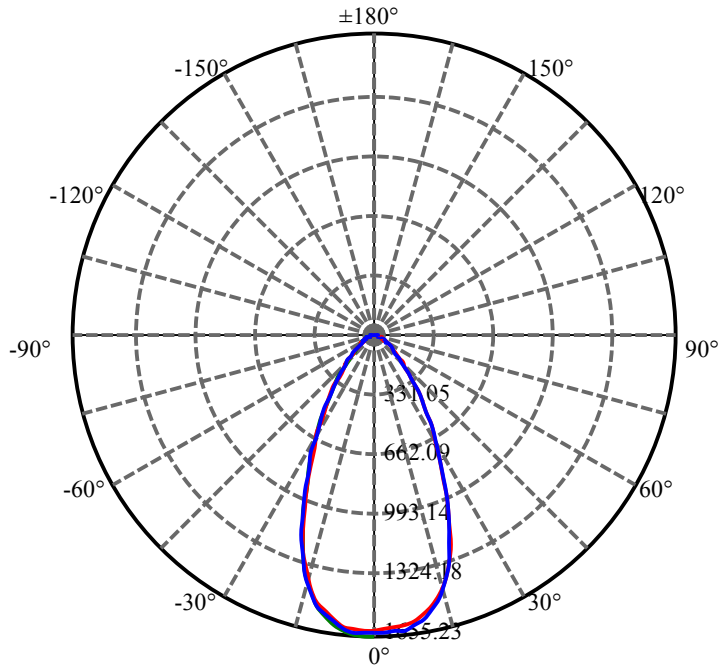
光束扩散角(10%Imax): [C0/180]Total=97.3

[C90/270]Total=97.8

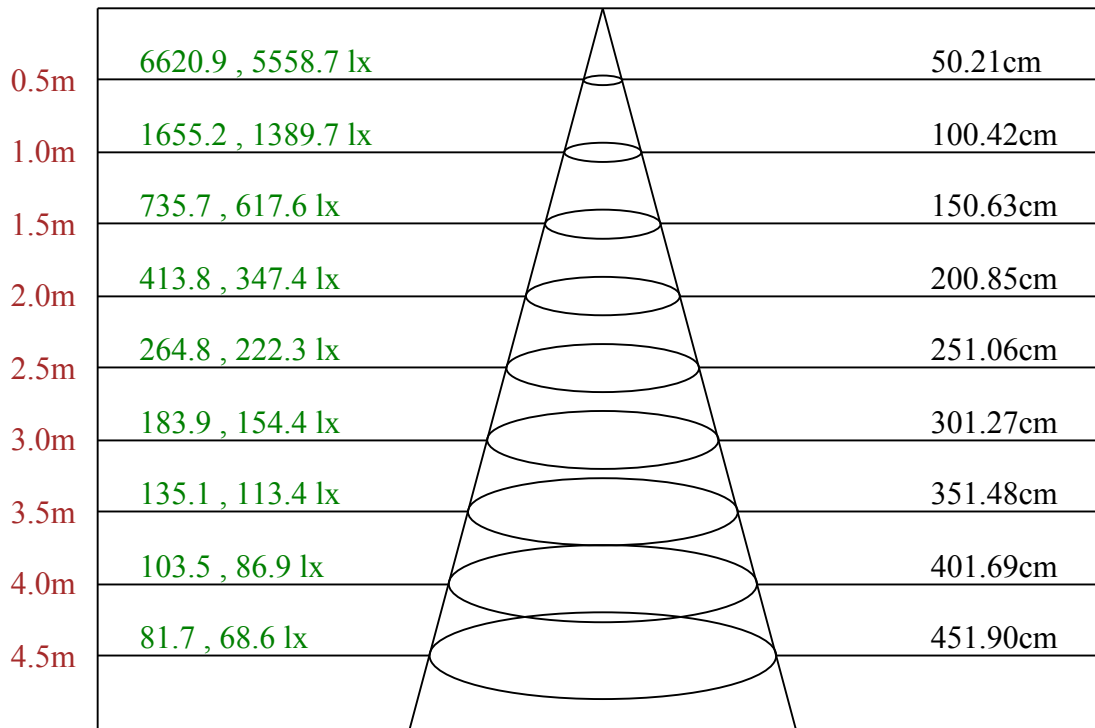
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/15
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

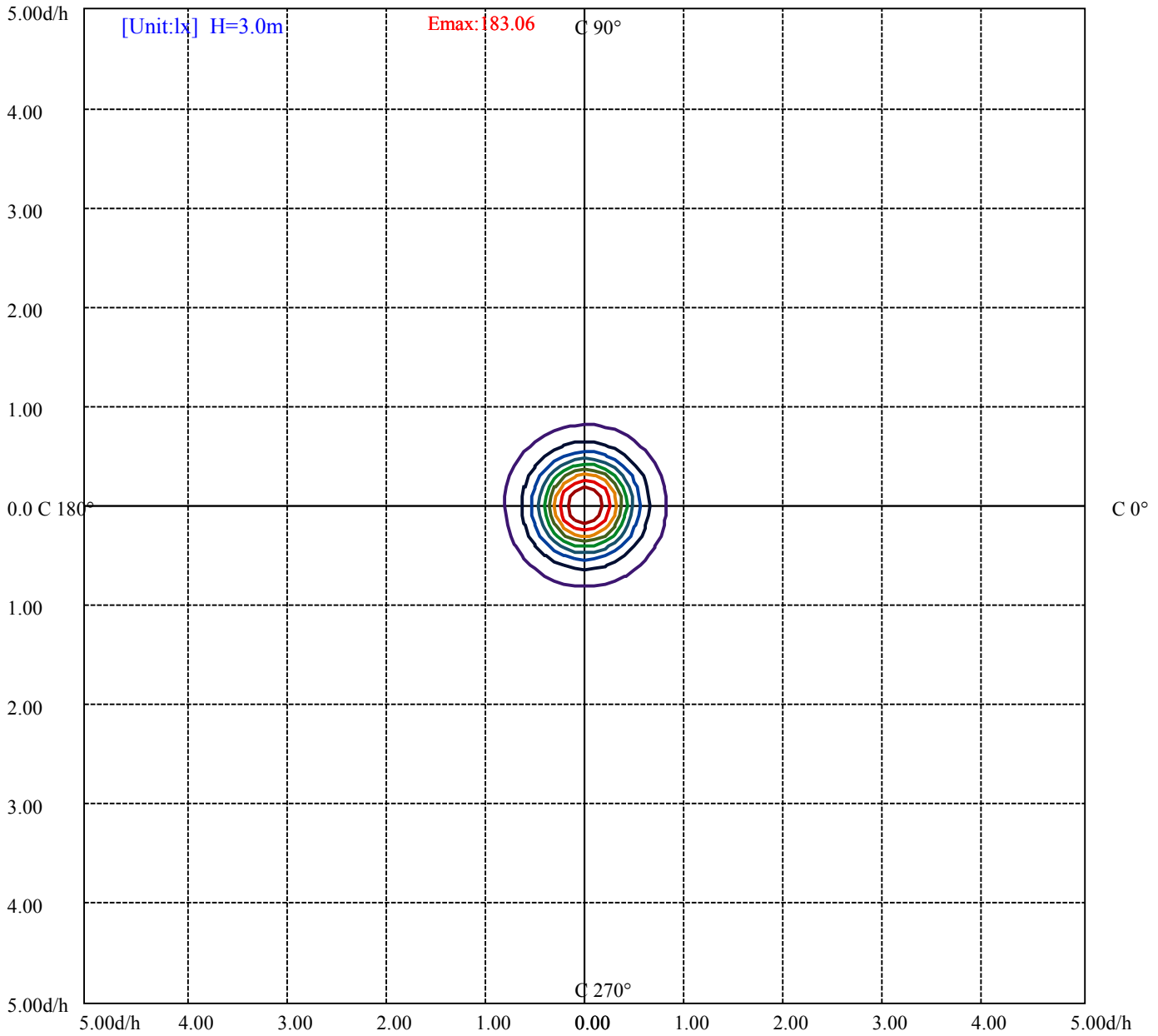


C210(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C210面光束角53.31

ROLED 投光灯
平面等照度曲线



- (10%Emax) 18.30622
- (20%Emax) 36.61233
- (30%Emax) 54.91856
- (40%Emax) 73.22466
- (50%Emax) 91.53089
- (60%Emax) 109.837
- (70%Emax) 128.1433
- (80%Emax) 146.4489
- (90%Emax) 164.7556

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环境温度(°C): 25.0

测试日期: 2021/3/15
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

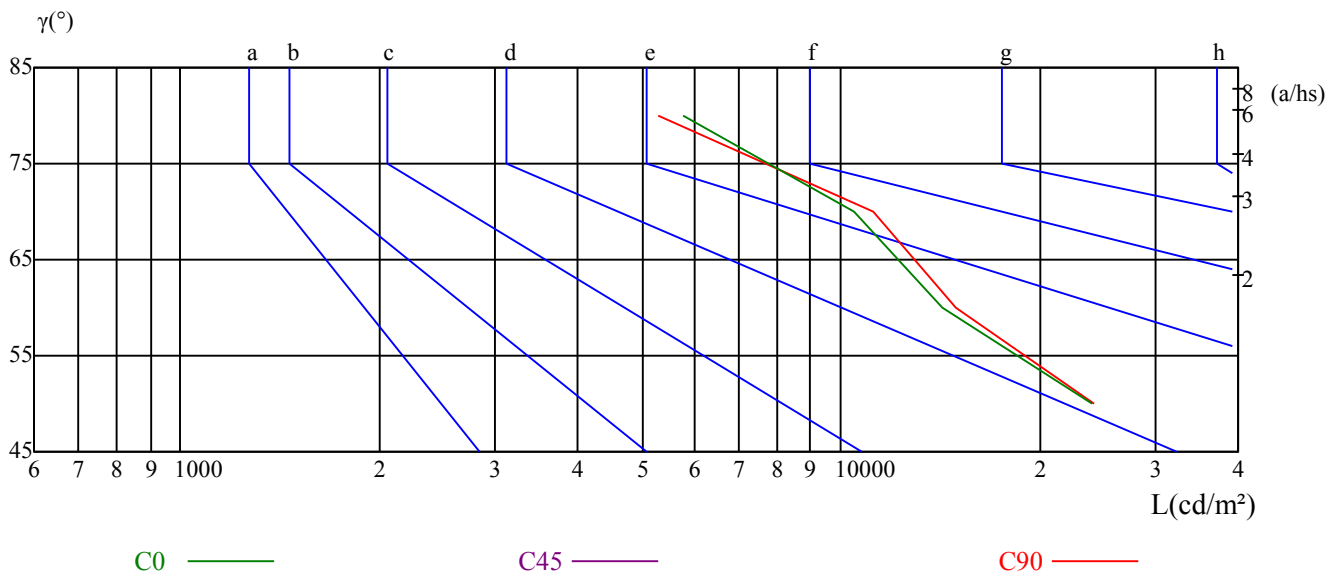
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|----|-------|----|-------|----|-------|----|------|----|
| C0 | 0 | 24115 | 0 | 14227 | 0 | 10500 | 0 | 5789 | 0 |
| C45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 24282 | 0 | 14979 | 0 | 11218 | 0 | 5303 | 0 |

| 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 | 17.12 | 18.31 | 17.49 | 18.62 | 18.94 | 16.88 | 18.06 | 17.24 | 18.38 | 18.69 |
| | 3H | 18.21 | 19.26 | 18.60 | 19.59 | 19.96 | 17.90 | 18.94 | 18.28 | 19.27 | 19.64 |
| | 4H | 18.53 | 19.50 | 18.93 | 19.85 | 20.24 | 18.20 | 19.18 | 18.61 | 19.53 | 19.92 |
| | 6H | 18.62 | 19.51 | 19.03 | 19.88 | 20.27 | 18.29 | 19.18 | 18.71 | 19.56 | 19.95 |
| | 8H | 18.59 | 19.44 | 19.03 | 19.83 | 20.24 | 18.27 | 19.12 | 18.71 | 19.51 | 19.91 |
| | 12H | 18.56 | 19.37 | 19.00 | 19.75 | 20.18 | 18.24 | 19.05 | 18.68 | 19.43 | 19.86 |
| 4H | 2H | 17.48 | 18.46 | 17.89 | 18.81 | 19.20 | 17.28 | 18.25 | 17.69 | 18.61 | 18.99 |
| | 3H | 18.78 | 19.57 | 19.19 | 19.98 | 20.38 | 18.50 | 19.30 | 18.92 | 19.70 | 20.11 |
| | 4H | 19.17 | 19.88 | 19.61 | 20.30 | 20.75 | 18.89 | 19.60 | 19.33 | 20.02 | 20.47 |
| | 6H | 19.28 | 19.89 | 19.75 | 20.34 | 20.81 | 19.01 | 19.61 | 19.47 | 20.06 | 20.53 |
| | 8H | 19.26 | 19.83 | 19.73 | 20.28 | 20.75 | 18.98 | 19.55 | 19.46 | 20.00 | 20.47 |
| | 12H | 19.23 | 19.72 | 19.72 | 20.21 | 20.69 | 18.95 | 19.45 | 19.44 | 19.93 | 20.41 |
| 8H | 4H | 19.24 | 19.81 | 19.72 | 20.26 | 20.73 | 18.99 | 19.55 | 19.46 | 20.00 | 20.48 |
| | 6H | 19.38 | 19.84 | 19.89 | 20.34 | 20.82 | 19.13 | 19.58 | 19.63 | 20.08 | 20.56 |
| | 8H | 19.37 | 19.78 | 19.90 | 20.30 | 20.79 | 19.12 | 19.52 | 19.64 | 20.04 | 20.54 |
| | 12H | 20.00 | 20.36 | 20.52 | 20.85 | 21.43 | 19.73 | 20.09 | 20.25 | 20.58 | 21.16 |
| 12H | 4H | 19.21 | 19.70 | 19.69 | 20.19 | 20.66 | 18.95 | 19.44 | 19.44 | 19.93 | 20.41 |
| | 6H | 19.79 | 19.75 | 19.88 | 20.22 | 20.77 | 19.54 | 19.50 | 19.62 | 19.97 | 20.51 |
| | 8H | 19.35 | 19.71 | 19.87 | 20.20 | 20.78 | 19.10 | 19.45 | 19.62 | 19.95 | 20.53 |
| 对应照射距离，改变观察者位置S | | | | | | | | | | | |
| S = 1.0H | 1.0/-1.4 | | | | | 1.0/-1.4 | | | | | |
| S = 1.5H | 2.1/-2.1 | | | | | 2.1/-2.1 | | | | | |
| S = 2.0H | 4.1/-2.5 | | | | | 4.1/-2.6 | | | | | |
| 标准表格 | BK2 | | | | | BK2 | | | | | |
| 更正系数 | 4.4 | | | | | 4.5 | | | | | |

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 | 1618.40 | 1616.86 | 1610.72 | 1603.05 | 1584.63 | 1557.01 | 1519.40 | 1471.06 | 1408.13 |
| 30.0 | 1651.39 | 1648.32 | 1646.02 | 1641.42 | 1627.60 | 1598.44 | 1561.61 | 1511.73 | 1444.20 |
| 60.0 | 1643.72 | 1642.18 | 1639.88 | 1638.35 | 1621.47 | 1592.31 | 1550.87 | 1504.52 | 1434.84 |
| 90.0 | 1637.58 | 1634.51 | 1632.21 | 1628.37 | 1610.72 | 1580.79 | 1541.66 | 1484.11 | 1408.90 |
| 120.0 | 1631.44 | 1630.67 | 1629.91 | 1619.93 | 1594.61 | 1557.01 | 1519.40 | 1453.87 | 1369.46 |
| 150.0 | 1624.53 | 1624.53 | 1623.77 | 1613.02 | 1588.47 | 1553.17 | 1502.52 | 1436.53 | 1354.42 |
| 180.0 | 1618.40 | 1621.47 | 1618.40 | 1606.12 | 1580.03 | 1539.36 | 1501.29 | 1431.77 | 1348.43 |
| 210.0 | 1651.39 | 1655.23 | 1651.39 | 1636.81 | 1607.65 | 1566.21 | 1523.39 | 1450.34 | 1361.09 |
| 240.0 | 1643.72 | 1646.02 | 1644.49 | 1628.37 | 1600.75 | 1563.14 | 1513.27 | 1446.50 | 1359.79 |
| 270.0 | 1637.58 | 1638.35 | 1633.74 | 1617.63 | 1591.54 | 1555.47 | 1516.26 | 1455.64 | 1371.22 |
| 300.0 | 1631.44 | 1629.91 | 1626.84 | 1613.02 | 1590.77 | 1557.01 | 1508.66 | 1452.64 | 1371.30 |
| 330.0 | 1624.53 | 1621.47 | 1614.56 | 1602.28 | 1580.79 | 1546.26 | 1508.05 | 1451.34 | 1373.14 |
| 360.0 | 1618.40 | 1616.86 | 1610.72 | 1603.05 | 1584.63 | 1557.01 | 1519.40 | 1471.06 | 1408.13 |
| C/γ(°) | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 |
| 0.0 | 1322.96 | 1222.43 | 1106.56 | 984.54 | 875.58 | 769.68 | 676.06 | 590.11 | 511.07 |
| 30.0 | 1354.42 | 1252.36 | 1139.55 | 1023.68 | 905.50 | 796.54 | 702.15 | 611.60 | 534.09 |
| 60.0 | 1336.62 | 1235.48 | 1117.07 | 1000.20 | 882.18 | 775.43 | 684.27 | 595.48 | 517.21 |
| 90.0 | 1322.19 | 1217.06 | 1097.35 | 980.71 | 867.13 | 763.54 | 669.15 | 587.81 | 511.07 |
| 120.0 | 1272.54 | 1167.26 | 1049.46 | 939.65 | 830.68 | 730.93 | 642.14 | 565.10 | 491.96 |
| 150.0 | 1256.96 | 1156.44 | 1042.10 | 930.06 | 824.93 | 731.31 | 641.53 | 558.65 | 488.82 |
| 180.0 | 1247.37 | 1134.57 | 1020.30 | 907.42 | 802.29 | 705.45 | 622.11 | 541.54 | 473.24 |
| 210.0 | 1257.73 | 1146.00 | 1033.50 | 919.55 | 814.65 | 712.82 | 628.63 | 548.37 | 474.70 |
| 240.0 | 1264.64 | 1159.51 | 1049.77 | 933.90 | 830.30 | 730.54 | 643.83 | 562.49 | 488.05 |
| 270.0 | 1273.54 | 1164.80 | 1052.23 | 936.74 | 828.69 | 732.38 | 641.22 | 561.72 | 482.14 |
| 300.0 | 1282.29 | 1180.22 | 1071.26 | 953.85 | 847.95 | 753.56 | 659.94 | 579.37 | 503.40 |
| 330.0 | 1286.97 | 1184.29 | 1072.18 | 963.44 | 855.24 | 752.34 | 661.17 | 580.21 | 502.78 |
| 360.0 | 1322.96 | 1222.43 | 1106.56 | 984.54 | 875.58 | 769.68 | 676.06 | 590.11 | 511.07 |
| C/γ(°) | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 0.0 | 441.24 | 388.29 | 333.27 | 286.61 | 248.63 | 212.64 | 181.48 | 155.01 | 132.45 |
| 30.0 | 464.26 | 400.57 | 346.16 | 299.81 | 257.30 | 220.31 | 190.23 | 163.07 | 139.82 |
| 60.0 | 448.76 | 390.82 | 337.26 | 292.45 | 251.62 | 216.02 | 185.70 | 160.23 | 137.51 |
| 90.0 | 444.31 | 389.83 | 334.96 | 290.07 | 248.86 | 212.41 | 181.33 | 156.08 | 133.14 |
| 120.0 | 427.27 | 371.64 | 320.15 | 275.33 | 236.20 | 204.12 | 175.04 | 149.72 | 129.15 |
| 150.0 | 422.82 | 375.94 | 315.62 | 273.26 | 234.36 | 201.74 | 172.20 | 146.88 | 125.16 |
| 180.0 | 408.93 | 351.77 | 301.50 | 259.76 | 220.77 | 187.09 | 159.38 | 134.52 | 113.73 |
| 210.0 | 414.31 | 357.90 | 306.80 | 263.67 | 227.60 | 193.69 | 166.67 | 142.04 | 121.32 |
| 240.0 | 424.36 | 378.01 | 317.23 | 272.27 | 235.74 | 201.44 | 173.12 | 148.41 | 127.00 |
| 270.0 | 421.29 | 363.66 | 311.17 | 269.43 | 230.90 | 198.06 | 169.28 | 144.65 | 123.24 |
| 300.0 | 439.71 | 389.06 | 329.28 | 283.16 | 245.64 | 209.95 | 181.10 | 155.39 | 132.76 |
| 330.0 | 440.70 | 382.46 | 328.21 | 283.39 | 245.41 | 209.72 | 180.26 | 155.55 | 132.83 |
| 360.0 | 441.24 | 388.29 | 333.27 | 286.61 | 248.63 | 212.64 | 181.48 | 155.01 | 132.45 |
| C/γ(°) | 54.0 | 56.0 | 58.0 | 60.0 | 62.0 | 64.0 | 66.0 | 68.0 | 70.0 |
| 0.0 | 112.34 | 97.00 | 82.72 | 71.14 | 62.77 | 55.02 | 48.19 | 41.75 | 35.91 |
| 30.0 | 120.25 | 105.36 | 92.16 | 81.73 | 72.52 | 64.23 | 57.09 | 49.57 | 42.74 |
| 60.0 | 118.71 | 104.06 | 91.16 | 80.50 | 71.21 | 63.54 | 56.40 | 49.42 | 42.51 |
| 90.0 | 113.88 | 98.68 | 85.18 | 74.90 | 65.84 | 58.47 | 51.18 | 44.43 | 38.37 |
| 120.0 | 111.42 | 97.69 | 85.79 | 75.97 | 67.30 | 60.16 | 53.03 | 45.89 | 38.91 |
| 150.0 | 107.59 | 94.08 | 82.26 | 72.82 | 64.23 | 56.63 | 49.80 | 42.90 | 36.07 |
| 180.0 | 96.54 | 82.95 | 71.44 | 62.54 | 55.25 | 48.19 | 41.82 | 35.38 | 30.77 |
| 210.0 | 105.67 | 92.16 | 80.88 | 71.52 | 63.39 | 55.63 | 48.73 | 41.52 | 34.22 |
| 240.0 | 109.73 | 95.92 | 84.72 | 74.74 | 66.68 | 59.09 | 51.80 | 44.74 | 36.99 |
| 270.0 | 106.51 | 91.39 | 78.96 | 70.14 | 62.00 | 54.71 | 47.04 | 40.90 | 35.07 |
| 300.0 | 114.42 | 100.30 | 87.63 | 77.12 | 68.76 | 60.85 | 53.64 | 46.73 | 39.52 |
| 330.0 | 115.41 | 100.07 | 87.10 | 76.74 | 67.61 | 59.93 | 52.64 | 46.04 | 38.83 |
| 360.0 | 112.34 | 97.00 | 82.72 | 71.14 | 62.77 | 55.02 | 48.19 | 41.75 | 35.91 |

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/15
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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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 | 30.93 | 26.47 | 21.87 | 15.73 | 10.05 | 5.22 | 1.30 | 0.92 | 0.54 |
| 30.0 | 35.68 | 29.39 | 24.02 | 18.03 | 11.59 | 6.45 | 1.92 | 1.00 | 0.61 |
| 60.0 | 35.38 | 29.39 | 22.94 | 16.81 | 9.75 | 5.53 | 1.38 | 1.00 | 0.46 |
| 90.0 | 32.69 | 27.24 | 21.64 | 14.73 | 9.21 | 3.30 | 1.46 | 1.00 | 0.46 |
| 120.0 | 31.92 | 25.63 | 19.34 | 13.12 | 7.44 | 3.53 | 1.15 | 0.77 | 0.38 |
| 150.0 | 29.62 | 24.48 | 17.80 | 10.28 | 4.83 | 2.38 | 0.84 | 0.54 | 0.31 |
| 180.0 | 26.09 | 21.18 | 14.89 | 9.44 | 4.83 | 1.23 | 0.92 | 0.54 | 0.38 |
| 210.0 | 28.47 | 22.56 | 16.35 | 9.52 | 5.60 | 1.23 | 0.84 | 0.54 | 0.23 |
| 240.0 | 30.39 | 23.79 | 17.65 | 10.90 | 6.29 | 1.53 | 0.92 | 0.61 | 0.31 |
| 270.0 | 28.85 | 23.64 | 17.04 | 11.36 | 5.99 | 1.53 | 1.07 | 0.61 | 0.23 |
| 300.0 | 32.54 | 26.70 | 20.64 | 14.04 | 8.29 | 3.99 | 1.07 | 0.84 | 0.38 |
| 330.0 | 32.23 | 26.55 | 21.26 | 15.04 | 8.36 | 4.60 | 1.15 | 0.84 | 0.46 |
| 360.0 | 30.93 | 26.47 | 21.87 | 15.73 | 10.05 | 5.22 | 1.30 | 0.92 | 0.54 |
| C/γ(°) | 90.0 | | | | | | | | |
| 0.0 | 0.23 | | | | | | | | |
| 30.0 | 0.31 | | | | | | | | |
| 60.0 | 0.31 | | | | | | | | |
| 90.0 | 0.15 | | | | | | | | |
| 120.0 | 0.15 | | | | | | | | |
| 150.0 | 0.00 | | | | | | | | |
| 180.0 | 0.08 | | | | | | | | |
| 210.0 | 0.00 | | | | | | | | |
| 240.0 | 0.08 | | | | | | | | |
| 270.0 | 0.00 | | | | | | | | |
| 300.0 | 0.08 | | | | | | | | |
| 330.0 | 0.15 | | | | | | | | |
| 360.0 | 0.23 | | | | | | | | |