



报告编号:

测试时间: 2019-04-09 10:16

## 产品特征

灯具制造厂商:

发光面长度(mm): 162

电压: 230.1 V

功率: 42.84 W

发光面宽度(mm): 72

电流: 0.192 A

功率因数: 0.970

## 光度结果

灯具CIE分类: 直接型

灯具光通量: 3162.7 lm

下射光通量比: 100%

有效光束角(C0/C180, C90/C270, C45/C225, C135/315): 124.8, 137.7, 130.4, 130.5

半峰边角(C0/C180, C90/C270, C45/C225, C135/315): 74.6, 94.7, 82.5, 82.7

灯具光效等级(LER): 73.87

峰值光强: 1732.92 cd

S/MH(C0/C180): 1.01

额定光通量: 3162.7 lm

灯具效率: 100%

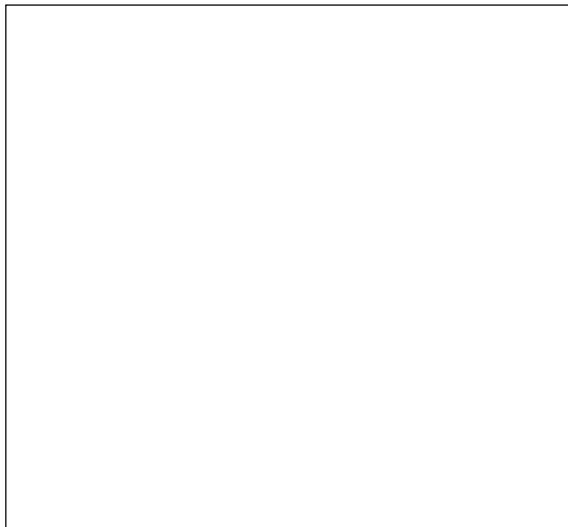
上射光通量比: 0%

中心光强: 1729.94 cd

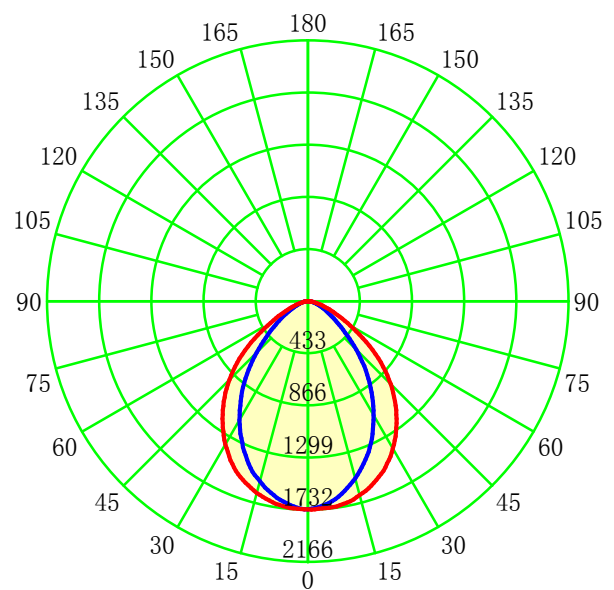
峰值光强位置: H135 V1

S/MH(C90/C270): 1.20

灯具实物照片



配光曲线



单位: cd

— C0-C180

— C90-C270

C 平面 (°): 0.0-360.0: 45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°): 0.0-90.0: 1.0

测试设备: GPM-1600

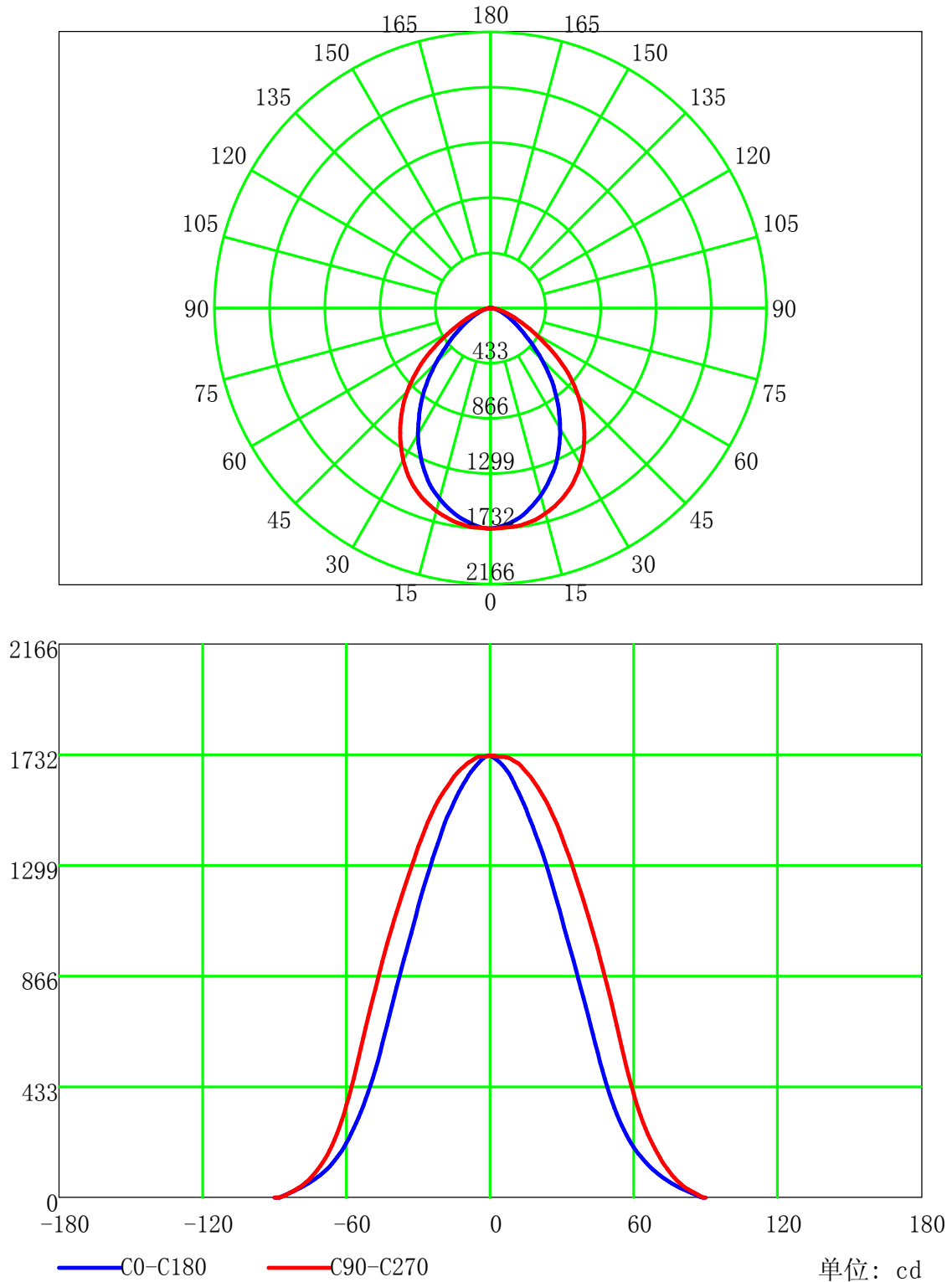
测试距离: 7.517 m

环境湿度:

核 验:



## 配光曲线



C 平面 (°): 0.0-360.0: 45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°): 0.0-90.0: 1.0

测试设备: GPM-1600

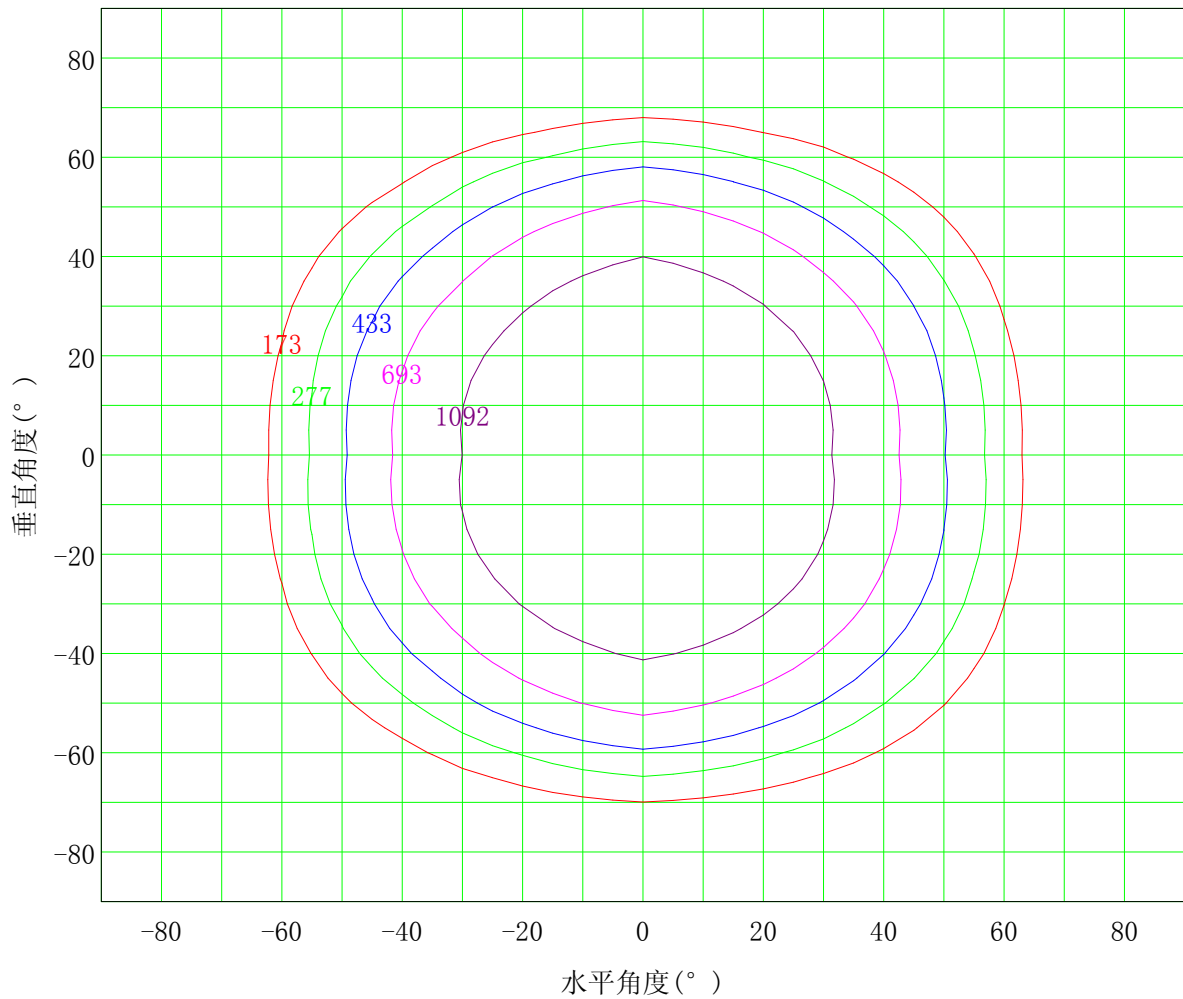
测试距离: 7.517 m

环境湿度:

核 验:



## 灯具等光强图 (矩形)



Imax (100%): 1733 cd

|         |         |         |         |
|---------|---------|---------|---------|
| ( 10%): | 173 cd  | ( 16%): | 277 cd  |
| ( 25%): | 433 cd  | ( 40%): | 693 cd  |
| ( 63%): | 1092 cd | (100%): | 1733 cd |

C 平面 (°):0.0-360.0: 45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°):0.0-90.0:1.0

测试设备: GPM-1600

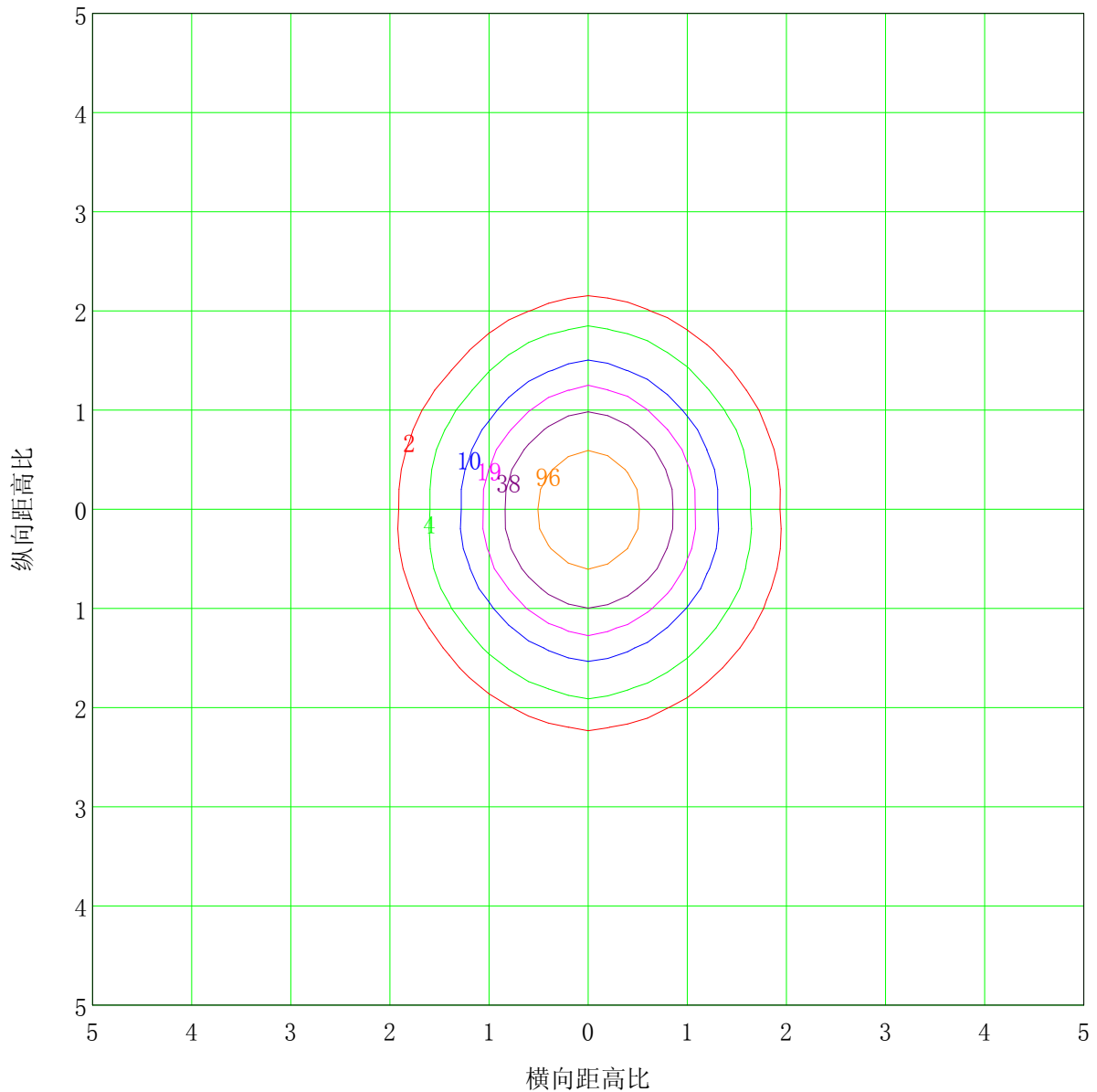
测试距离: 7.517 m

环境湿度:

核 验:



## 水平面等照度曲线



安装高度: 3.0m

最大照度值(100%): 192.5 lx

( 1%): 1.9 lx  
( 5%): 9.6 lx  
( 20%): 38.5 lx  
(100%): 192.5 lx

( 2%): 3.8 lx  
( 10%): 19.2 lx  
( 50%): 96.2 lx

C 平面 (°): 0.0-360.0: 45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°): 0.0-90.0: 1.0

测试设备: GPM-1600

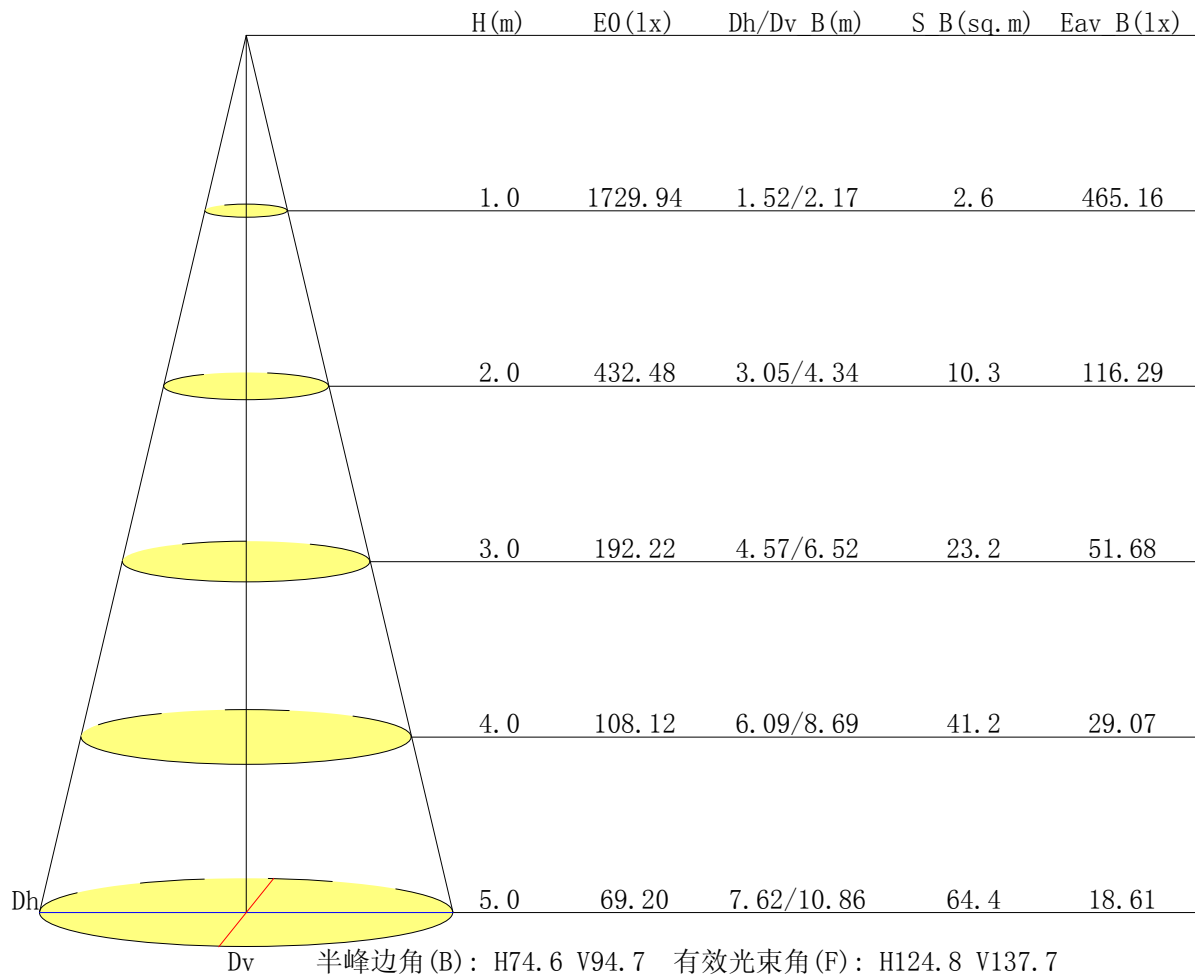
测试距离: 7.517 m

环境湿度:

核 验:



## 照度距离关系图



C 平面 (°):0.0-360.0: 45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°):0.0-90.0:1.0

测试设备: GPM-1600

测试距离: 7.517 m

环境湿度:

核 验:

## UGR 表

|                  |      |           |      |      |      |      |           |      |      |      |      |
|------------------|------|-----------|------|------|------|------|-----------|------|------|------|------|
| 反射率:             |      |           |      |      |      |      |           |      |      |      |      |
|                  | 天花板  | 0.7       | 0.7  | 0.5  | 0.5  | 0.3  | 0.7       | 0.7  | 0.5  | 0.5  | 0.3  |
|                  | 墙面   | 0.5       | 0.3  | 0.5  | 0.3  | 0.3  | 0.5       | 0.3  | 0.5  | 0.3  | 0.3  |
|                  | 工作面  | 0.2       | 0.2  | 0.2  | 0.2  | 0.2  | 0.2       | 0.2  | 0.2  | 0.2  | 0.2  |
| 房间尺寸             |      | 横向        |      |      |      |      | 纵向        |      |      |      |      |
| X=2H             | Y=2H | 24.9      | 26.1 | 25.2 | 26.3 | 26.5 | 27.2      | 28.4 | 27.5 | 28.6 | 28.8 |
|                  | 3H   | 25.3      | 26.4 | 25.7 | 26.7 | 26.9 | 27.7      | 28.8 | 28.1 | 29.1 | 29.3 |
|                  | 4H   | 25.5      | 26.5 | 25.8 | 26.8 | 27.1 | 27.9      | 28.9 | 28.2 | 29.2 | 29.5 |
|                  | 6H   | 25.6      | 26.5 | 26.0 | 26.8 | 27.2 | 28.0      | 28.9 | 28.3 | 29.2 | 29.5 |
|                  | 8H   | 25.6      | 26.5 | 26.0 | 26.8 | 27.2 | 28.0      | 28.9 | 28.4 | 29.2 | 29.5 |
|                  | 12H  | 25.6      | 26.5 | 26.0 | 26.8 | 27.2 | 28.0      | 28.8 | 28.4 | 29.2 | 29.5 |
| X=4H             | Y=2H | 25.3      | 26.3 | 25.6 | 26.5 | 26.8 | 27.3      | 28.3 | 27.6 | 28.5 | 28.8 |
|                  | 3H   | 25.8      | 26.7 | 26.2 | 27.0 | 27.4 | 27.9      | 28.8 | 28.3 | 29.1 | 29.5 |
|                  | 4H   | 26.1      | 26.9 | 26.5 | 27.2 | 27.6 | 28.2      | 28.9 | 28.6 | 29.3 | 29.7 |
|                  | 6H   | 26.3      | 26.9 | 26.7 | 27.3 | 27.7 | 28.3      | 29.0 | 28.7 | 29.4 | 29.8 |
|                  | 8H   | 26.3      | 27.0 | 26.8 | 27.4 | 27.8 | 28.4      | 29.0 | 28.8 | 29.4 | 29.8 |
|                  | 12H  | 26.4      | 26.9 | 26.8 | 27.3 | 27.8 | 28.4      | 28.9 | 28.8 | 29.3 | 29.8 |
| X=8H             | Y=4H | 26.2      | 26.8 | 26.6 | 27.2 | 27.6 | 28.2      | 28.8 | 28.6 | 29.2 | 29.6 |
|                  | 6H   | 26.5      | 27.0 | 26.9 | 27.4 | 27.8 | 28.4      | 28.9 | 28.8 | 29.3 | 29.8 |
|                  | 8H   | 26.6      | 27.0 | 27.0 | 27.5 | 27.9 | 28.5      | 28.9 | 28.9 | 29.3 | 29.8 |
|                  | 12H  | 26.6      | 27.0 | 27.1 | 27.5 | 28.0 | 28.5      | 28.9 | 29.0 | 29.3 | 29.8 |
| X=12H            | Y=4H | 26.2      | 26.7 | 26.6 | 27.2 | 27.6 | 28.2      | 28.7 | 28.6 | 29.1 | 29.6 |
|                  | 6H   | 26.5      | 26.9 | 27.0 | 27.4 | 27.8 | 28.4      | 28.8 | 28.9 | 29.3 | 29.7 |
|                  | 8H   | 26.6      | 27.0 | 27.1 | 27.4 | 27.9 | 28.5      | 28.8 | 29.0 | 29.3 | 29.8 |
| 不同间距下随观察位置不同的变化量 |      |           |      |      |      |      |           |      |      |      |      |
| S=1.0H           |      | +0.6/-0.9 |      |      |      |      | +0.3/-0.5 |      |      |      |      |
| S=1.5H           |      | +1.1/-1.9 |      |      |      |      | +1.1/-1.5 |      |      |      |      |
| S=2.0H           |      | +2.0/-2.8 |      |      |      |      | +2.4/-2.5 |      |      |      |      |

依据CIE Pub. 117计算, 表格已按31631m光源光通量进行修正( $81\log(F/F_0) = 4.0$ ).

C 平面 (°): 0.0-360.0: 45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°): 0.0-90.0: 1.0

测试设备: GPM-1600

测试距离: 7.517 m

环境湿度:

核 验:



## 光强分布数据表格

单位: cd

| G\ C  | C0.0   | C45.0  | C90.0  | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| G0.0  | 1729.9 | 1729.9 | 1729.9 | 1729.9 | 1729.9 | 1729.9 | 1729.9 | 1729.9 | 1729.9 |  |
| G1.0  | 1725.2 | 1726.8 | 1730.6 | 1732.9 | 1729.2 | 1728.1 | 1728.6 | 1726.2 | 1725.2 |  |
| G2.0  | 1719.4 | 1723.2 | 1729.4 | 1732.0 | 1725.7 | 1726.4 | 1727.1 | 1720.6 | 1719.4 |  |
| G3.0  | 1712.6 | 1718.0 | 1726.9 | 1729.1 | 1719.0 | 1723.9 | 1725.8 | 1715.5 | 1712.6 |  |
| G4.0  | 1704.8 | 1711.1 | 1725.0 | 1726.5 | 1710.2 | 1719.0 | 1725.9 | 1711.4 | 1704.8 |  |
| G5.0  | 1695.8 | 1705.0 | 1725.4 | 1723.6 | 1699.7 | 1712.2 | 1725.7 | 1706.8 | 1695.8 |  |
| G6.0  | 1684.7 | 1699.5 | 1724.8 | 1717.2 | 1689.0 | 1703.5 | 1720.8 | 1698.9 | 1684.7 |  |
| G7.0  | 1672.6 | 1694.5 | 1722.7 | 1710.6 | 1677.5 | 1695.2 | 1714.4 | 1688.2 | 1672.6 |  |
| G8.0  | 1659.5 | 1688.7 | 1720.4 | 1701.9 | 1666.4 | 1683.9 | 1708.2 | 1677.0 | 1659.5 |  |
| G9.0  | 1643.4 | 1680.1 | 1715.6 | 1693.3 | 1652.4 | 1671.6 | 1703.4 | 1665.8 | 1643.4 |  |
| G10.0 | 1624.7 | 1671.0 | 1709.7 | 1682.4 | 1636.2 | 1660.7 | 1696.1 | 1653.9 | 1624.7 |  |
| G11.0 | 1603.7 | 1659.4 | 1704.5 | 1671.2 | 1621.2 | 1650.5 | 1686.7 | 1641.3 | 1603.7 |  |
| G12.0 | 1585.2 | 1644.6 | 1698.6 | 1660.0 | 1604.1 | 1638.6 | 1678.7 | 1627.4 | 1585.2 |  |
| G13.0 | 1564.5 | 1627.8 | 1689.9 | 1647.3 | 1588.0 | 1623.4 | 1669.1 | 1609.5 | 1564.5 |  |
| G14.0 | 1544.0 | 1610.8 | 1678.2 | 1632.3 | 1568.8 | 1605.7 | 1658.5 | 1592.0 | 1544.0 |  |
| G15.0 | 1522.3 | 1595.7 | 1667.3 | 1616.9 | 1548.9 | 1589.0 | 1648.3 | 1575.0 | 1522.3 |  |
| G16.0 | 1499.0 | 1576.7 | 1657.5 | 1601.5 | 1528.4 | 1572.6 | 1636.3 | 1557.3 | 1499.0 |  |
| G17.0 | 1475.4 | 1557.4 | 1646.9 | 1584.3 | 1509.2 | 1555.4 | 1621.7 | 1537.3 | 1475.4 |  |
| G18.0 | 1452.0 | 1536.9 | 1634.2 | 1568.8 | 1489.7 | 1534.3 | 1608.1 | 1516.8 | 1452.0 |  |
| G19.0 | 1425.3 | 1516.7 | 1620.6 | 1551.1 | 1465.8 | 1515.2 | 1595.0 | 1494.9 | 1425.3 |  |
| G20.0 | 1400.0 | 1496.2 | 1606.2 | 1530.8 | 1439.0 | 1495.6 | 1580.4 | 1471.3 | 1400.0 |  |
| G21.0 | 1374.2 | 1475.8 | 1590.6 | 1509.2 | 1409.7 | 1474.4 | 1565.1 | 1448.5 | 1374.2 |  |
| G22.0 | 1348.4 | 1453.7 | 1574.7 | 1489.0 | 1382.5 | 1453.5 | 1548.7 | 1424.2 | 1348.4 |  |
| G23.0 | 1319.6 | 1429.9 | 1559.0 | 1469.6 | 1354.8 | 1434.9 | 1530.6 | 1401.9 | 1319.6 |  |
| G24.0 | 1290.2 | 1404.2 | 1542.2 | 1449.0 | 1327.4 | 1413.8 | 1510.9 | 1375.8 | 1290.2 |  |
| G25.0 | 1258.3 | 1379.3 | 1522.8 | 1426.1 | 1295.3 | 1389.3 | 1490.0 | 1348.1 | 1258.3 |  |
| G26.0 | 1225.4 | 1352.3 | 1502.1 | 1399.4 | 1265.5 | 1360.6 | 1470.0 | 1320.9 | 1225.4 |  |
| G27.0 | 1192.1 | 1325.7 | 1481.7 | 1374.2 | 1236.3 | 1332.0 | 1445.6 | 1292.7 | 1192.1 |  |
| G28.0 | 1159.9 | 1299.5 | 1461.8 | 1346.5 | 1205.4 | 1302.7 | 1420.7 | 1264.8 | 1159.9 |  |
| G29.0 | 1128.1 | 1272.6 | 1437.3 | 1319.4 | 1172.9 | 1275.5 | 1397.1 | 1237.2 | 1128.1 |  |
| G30.0 | 1092.8 | 1243.6 | 1412.5 | 1290.3 | 1140.1 | 1246.2 | 1373.9 | 1207.6 | 1092.8 |  |
| G31.0 | 1059.1 | 1213.7 | 1388.6 | 1261.3 | 1103.8 | 1214.5 | 1346.9 | 1175.5 | 1059.1 |  |
| G32.0 | 1025.4 | 1180.8 | 1363.6 | 1232.8 | 1069.1 | 1183.1 | 1319.3 | 1141.6 | 1025.4 |  |
| G33.0 | 992.1  | 1147.6 | 1339.5 | 1199.4 | 1033.4 | 1153.5 | 1291.7 | 1109.0 | 992.1  |  |
| G34.0 | 959.5  | 1115.7 | 1311.3 | 1167.7 | 1001.4 | 1121.3 | 1264.8 | 1074.3 | 959.5  |  |
| G35.0 | 926.3  | 1083.5 | 1282.5 | 1135.7 | 965.6  | 1089.6 | 1236.7 | 1040.0 | 926.3  |  |
| G36.0 | 890.7  | 1049.7 | 1252.8 | 1102.8 | 932.7  | 1053.9 | 1208.0 | 1005.0 | 890.7  |  |

C 平面 (°):0.0-360.0: 45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°):0.0-90.0:1.0

测试设备: GPM-1600

测试距离: 7.517 m

环境湿度:

核 验:



## 光强分布数据表格 (续 1)

单位: cd

| G\C   | C0.0  | C45.0  | C90.0  | C135.0 | C180.0 | C225.0 | C270.0 | C315.0 | C360.0 |  |
|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| G37.0 | 854.2 | 1015.5 | 1223.8 | 1068.9 | 897.1  | 1020.8 | 1178.4 | 973.2  | 854.2  |  |
| G38.0 | 818.7 | 982.0  | 1195.0 | 1035.5 | 861.0  | 983.9  | 1148.6 | 938.0  | 818.7  |  |
| G39.0 | 785.5 | 946.1  | 1165.7 | 1000.2 | 825.7  | 949.2  | 1118.6 | 903.6  | 785.5  |  |
| G40.0 | 749.5 | 910.6  | 1134.4 | 966.1  | 788.5  | 910.8  | 1088.8 | 866.7  | 749.5  |  |
| G41.0 | 714.2 | 873.8  | 1104.0 | 929.3  | 750.9  | 873.6  | 1057.2 | 830.4  | 714.2  |  |
| G42.0 | 674.6 | 839.5  | 1071.1 | 891.9  | 714.2  | 837.0  | 1025.7 | 793.7  | 674.6  |  |
| G43.0 | 639.0 | 805.6  | 1039.3 | 855.6  | 675.2  | 802.2  | 993.6  | 757.9  | 639.0  |  |
| G44.0 | 601.8 | 769.5  | 1006.4 | 818.3  | 639.4  | 766.2  | 958.7  | 721.2  | 601.8  |  |
| G45.0 | 567.7 | 731.9  | 974.0  | 779.9  | 603.1  | 728.6  | 923.8  | 684.6  | 567.7  |  |
| G46.0 | 532.4 | 694.9  | 938.2  | 741.8  | 567.3  | 691.3  | 890.0  | 648.7  | 532.4  |  |
| G47.0 | 499.7 | 656.7  | 903.8  | 703.5  | 531.1  | 654.7  | 853.0  | 612.9  | 499.7  |  |
| G48.0 | 466.1 | 621.1  | 867.2  | 665.9  | 499.7  | 617.7  | 815.7  | 578.8  | 466.1  |  |
| G49.0 | 434.9 | 585.3  | 830.9  | 630.4  | 468.1  | 582.5  | 780.1  | 543.3  | 434.9  |  |
| G50.0 | 405.6 | 552.5  | 793.7  | 595.6  | 439.9  | 546.8  | 742.9  | 508.9  | 405.6  |  |
| G51.0 | 378.2 | 518.0  | 755.3  | 560.4  | 411.4  | 512.4  | 704.0  | 475.0  | 378.2  |  |
| G52.0 | 352.1 | 483.8  | 714.3  | 525.0  | 385.6  | 479.0  | 665.4  | 442.6  | 352.1  |  |
| G53.0 | 328.3 | 451.8  | 673.8  | 490.6  | 358.5  | 447.8  | 624.5  | 412.4  | 328.3  |  |
| G54.0 | 305.2 | 421.1  | 631.9  | 460.1  | 334.8  | 418.6  | 585.2  | 382.5  | 305.2  |  |
| G55.0 | 284.0 | 391.3  | 591.1  | 429.4  | 311.9  | 390.5  | 543.4  | 354.3  | 284.0  |  |
| G56.0 | 264.4 | 365.1  | 550.9  | 400.7  | 291.0  | 361.0  | 503.9  | 326.9  | 264.4  |  |
| G57.0 | 245.8 | 338.3  | 511.2  | 372.7  | 271.0  | 334.2  | 464.6  | 301.7  | 245.8  |  |
| G58.0 | 228.3 | 313.5  | 475.3  | 345.7  | 251.5  | 308.8  | 428.4  | 277.3  | 228.3  |  |
| G59.0 | 212.3 | 289.8  | 441.0  | 319.6  | 231.4  | 285.0  | 393.2  | 255.0  | 212.3  |  |
| G60.0 | 197.7 | 267.9  | 407.9  | 296.5  | 214.5  | 263.6  | 362.1  | 235.2  | 197.7  |  |
| G61.0 | 184.9 | 246.5  | 377.6  | 273.7  | 198.3  | 242.9  | 330.2  | 215.8  | 184.9  |  |
| G62.0 | 172.8 | 227.3  | 348.0  | 253.5  | 183.4  | 223.8  | 302.3  | 199.3  | 172.8  |  |
| G63.0 | 161.8 | 209.6  | 320.6  | 234.0  | 170.2  | 205.8  | 274.9  | 183.5  | 161.8  |  |
| G64.0 | 151.0 | 193.4  | 294.6  | 216.8  | 157.7  | 189.9  | 250.5  | 169.5  | 151.0  |  |
| G65.0 | 140.4 | 177.8  | 271.3  | 200.2  | 145.7  | 173.4  | 227.4  | 155.8  | 140.4  |  |
| G66.0 | 129.9 | 163.6  | 248.6  | 184.8  | 133.6  | 158.9  | 205.3  | 143.3  | 129.9  |  |
| G67.0 | 120.1 | 150.2  | 228.4  | 170.0  | 122.7  | 144.7  | 185.7  | 131.1  | 120.1  |  |
| G68.0 | 111.0 | 138.0  | 208.9  | 156.5  | 112.9  | 132.3  | 167.2  | 120.1  | 111.0  |  |
| G69.0 | 103.1 | 126.4  | 190.8  | 142.9  | 104.2  | 120.7  | 151.4  | 109.9  | 103.1  |  |
| G70.0 | 95.2  | 116.1  | 173.2  | 130.4  | 95.9   | 109.8  | 136.4  | 100.4  | 95.2   |  |
| G71.0 | 87.7  | 105.9  | 156.4  | 118.6  | 88.0   | 99.4   | 122.9  | 91.5   | 87.7   |  |
| G72.0 | 80.4  | 96.6   | 140.6  | 108.1  | 80.8   | 89.8   | 110.2  | 83.3   | 80.4   |  |
| G73.0 | 73.8  | 87.7   | 126.5  | 98.2   | 73.7   | 81.1   | 98.4   | 75.5   | 73.8   |  |

C 平面 (°):0.0-360.0:45.0

测试单位:

测试类型: TYPE C

环境温度:

测试员:

Gamma 平面 (°):0.0-90.0:1.0

测试设备: GPM-1600

测试距离: 7.517 m

环境湿度:

核 验:





Fax: 86-757-81992180

光强分布数据表格 (续 2)

[illegible]

核 验: