

## 燈 具 實 物 照 片



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 69.7%   |                          |
| Luminaire Power:    | 15.87 W |                          |
| SHR Nominal:        | 0.75    | Calculated using the TM5 |
| SHR Maximum:        | 0.85    | fine grid method.        |

C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: zoe  
 测试日期: 2023-11-29

Y角度范围: 0度 - 180度  
 Y角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1 系统 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: BXRE-30G1000-A-83 Ra:90  
 LENS: PM-1082C 50R  
 DRIVER: PUP20A-1WMC 400mA  
 30minutes warm-up

## 灯具配光曲线及特征面照片

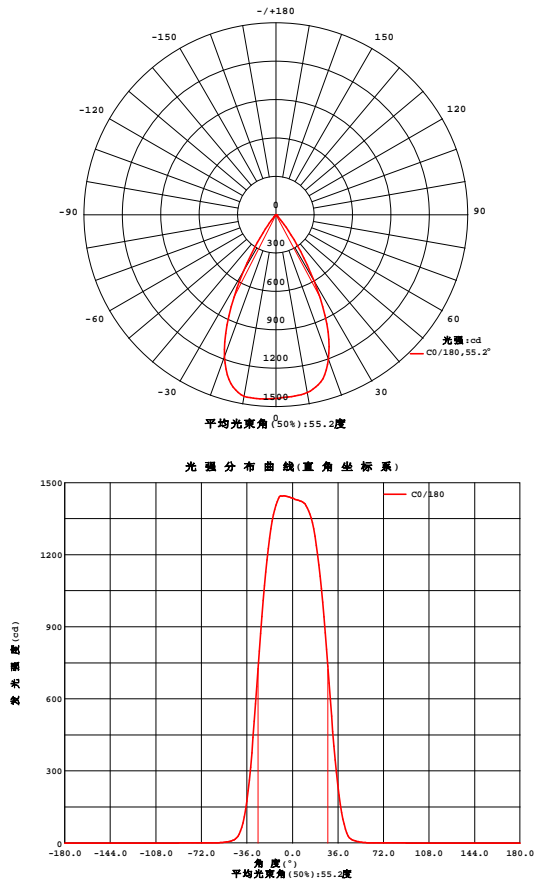


Fig. C0/C180

C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

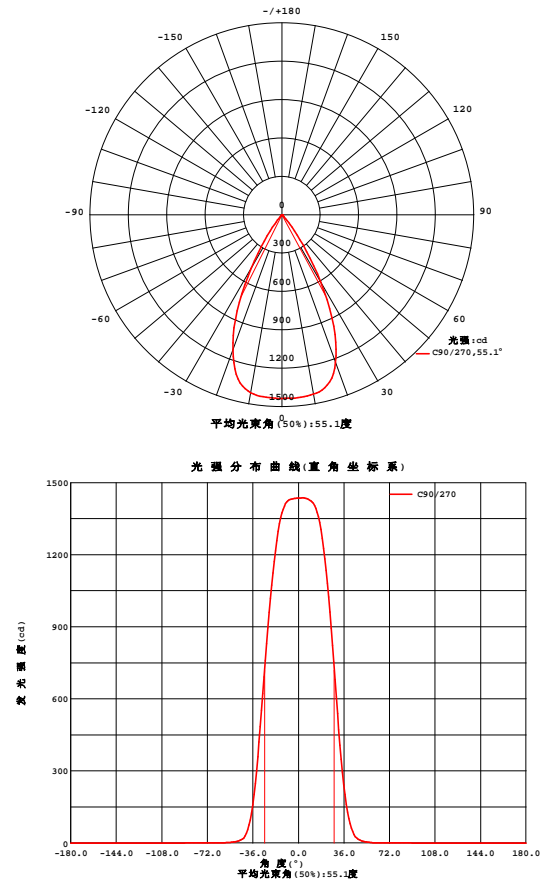


Fig. C90/C270

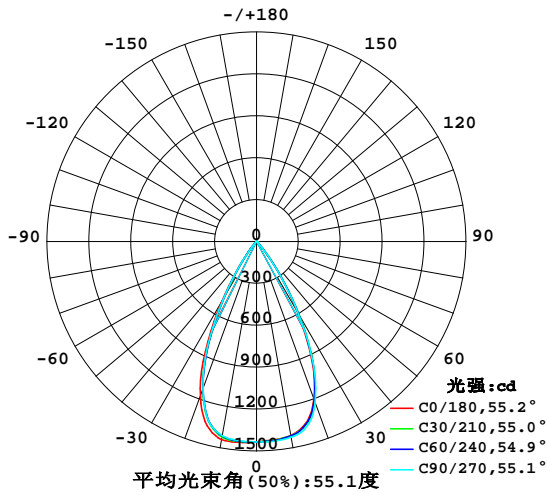
Y角度范围: 0度 - 180度  
Y角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: BXRE-30G1000-A-83 Ra: 90  
LENS: PM-1082C 50R  
DRIVER: PUP20A-1WMC 400mA  
30minutes warm-up

## 室内灯具光度数据

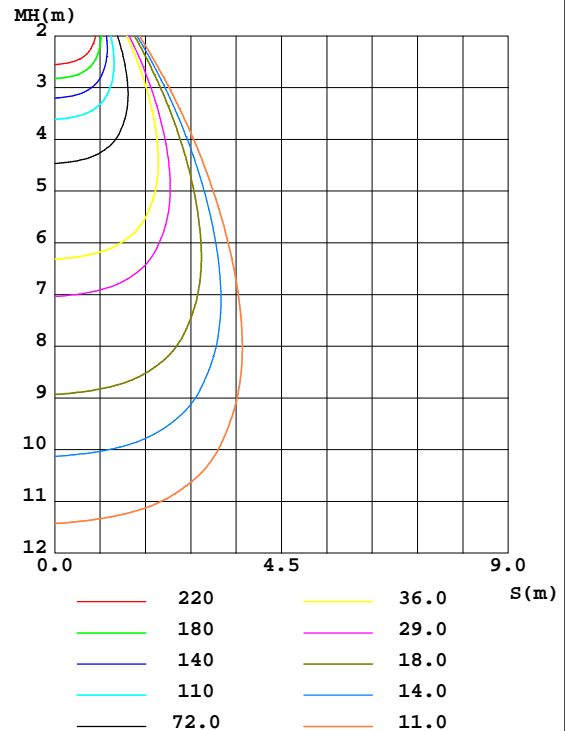
|   |                                 |                  |
|---|---------------------------------|------------------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |                                 |                  |
| 灯具名称: 2318.110-LEA-14(400mA)  | 灯具类型:                           | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                           | 测试编号: 2311291400 |
| 制造厂商: RISE  | 发光口面: 0.003737385m <sup>2</sup> | 遮光角:             |

| 光源数据      |           | 光度数据     |        |                 |          | 光效: 69.38 lm/W |
|-----------|-----------|----------|--------|-----------------|----------|----------------|
| 型号        | Bridgelux | 峰值光强(cd) | 1446   | S/MH(C0/180)    | 0.80     |                |
| 标称功率(W)   | 16        | 灯具效率(%)  | 69.7   | S/MH(C90/270)   | 0.79     |                |
| 额定电源电压(V) | 120       | 总光通量(lm) | 1101.2 | UP,DN(C0-180)   | 0.0,36.6 |                |
| 额定光通量(lm) | 1579.4    | CIE分类    | 直接     | UP,DN(C180-360) | 0.0,33.2 |                |
| 灯具内光源数(只) | 1         | 上射光通比(%) | 0.0    | CIBSE SHR NOM   | 0.75     |                |
| 实测电源电压(V) | 120       | 下射光通比(%) | 69.7   | CIBSE SHR MAX   | 0.85     |                |

室内灯具配光曲线



空间等照度曲线(单位:lx)



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测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

Y角度范围: 0度 - 180度  
Y角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082C 50R  
DRIVER:PUP20A-1WMC 400mA  
30minutes warm-up

## 灯具环带光通量

环带光通量:

|       | C0     | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma(^{\circ})$ | 环      | 总     | %lum, lamp |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--------|-------|------------|
| 10    | 1411   | 1413   | 1423   | 1440   | 1441   | 1420   | 1413   | 1407   | 0- 10              | 136.5  | 136.5 | 12.4, 8.64 |
| 20    | 1200   | 1210   | 1227   | 1225   | 1178   | 1126   | 1124   | 1157   | 10- 20             | 374.9  | 511.4 | 46.4, 32.4 |
| 30    | 595.7  | 616.2  | 608.6  | 565.8  | 507.2  | 471.8  | 484.4  | 533.3  | 20- 30             | 401.1  | 912.5 | 82.9, 57.8 |
| 40    | 99.65  | 109.0  | 102.0  | 83.59  | 64.30  | 54.66  | 54.98  | 74.39  | 30- 40             | 164.4  | 1077  | 97.8, 68.2 |
| 50    | 8.000  | 9.511  | 9.180  | 7.603  | 6.186  | 5.234  | 5.093  | 6.041  | 40- 50             | 20.95  | 1098  | 99.7, 69.5 |
| 60    | 1.048  | 1.101  | 1.093  | 1.001  | 0.8521 | 0.7922 | 0.8243 | 0.9049 | 50- 60             | 2.734  | 1101  | 99.9, 69.7 |
| 70    | 0.2137 | 0.2145 | 0.2105 | 0.1856 | 0.1612 | 0.1521 | 0.1632 | 0.1821 | 60- 70             | 0.4686 | 1101  | 100, 69.7  |
| 80    | 0.0561 | 0.0461 | 0.0434 | 0.0384 | 0.0409 | 0.0396 | 0.0422 | 0.0388 | 70- 80             | 0.0907 | 1101  | 100, 69.7  |
| 90    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 80- 90             | 0.0301 | 1101  | 100, 69.7  |
| 100   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 90-100             | 0      | 1101  | 100, 69.7  |
| 110   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 100-110            | 0      | 1101  | 100, 69.7  |
| 120   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 110-120            | 0      | 1101  | 100, 69.7  |
| 130   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 120-130            | 0      | 1101  | 100, 69.7  |
| 140   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 130-140            | 0      | 1101  | 100, 69.7  |
| 150   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 140-150            | 0      | 1101  | 100, 69.7  |
| 160   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 150-160            | 0      | 1101  | 100, 69.7  |
| 170   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 160-170            | 0      | 1101  | 100, 69.7  |
| 180   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 170-180            | 0      | 1101  | 100, 69.7  |
| 单位: ° | 光强: cd |        |        |        |        |        |        |        |                    | 单位: lm |       |            |

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 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: zoe  
 测试日期: 2023-11-29

$\gamma$ 角度范围: 0度 - 180度  
 $\gamma$ 角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1 系统 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: BXRE-30G1000-A-83 Ra: 90  
 LENS: PM-1082C 50R  
 DRIVER: PUP20A-1WMC 400mA  
 30minutes warm-up

## 灯具亮度限制曲线

实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz  
实检光通: 1579.4x1 lm

灯具名称: 2318.110-LEA-14(400mA)

灯具类型:

灯具重量:

灯具规格: 3000K

外型尺寸:

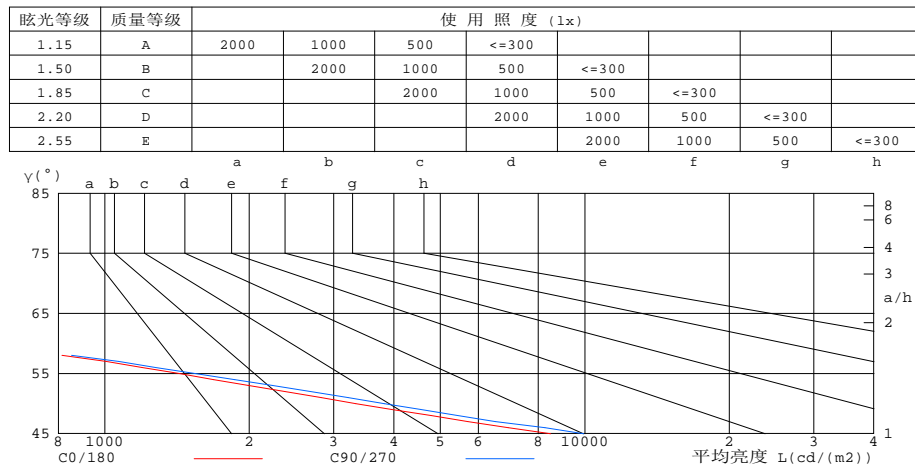
测试编号: 2311291400

制造厂商: RISE

发光口面: 0.003737385m<sup>2</sup>

遮光角:

有光侧边灯具的亮度限制曲线



| 平均亮度值 cd/(m2) |        |         |
|---------------|--------|---------|
| γ(°)          | C0/180 | C90/270 |
| 85            | 117    | 110     |
| 80            | 87     | 67      |
| 75            | 93     | 86      |
| 70            | 167    | 165     |
| 65            | 308    | 304     |
| 60            | 561    | 585     |
| 55            | 1432   | 1545    |
| 50            | 3331   | 3820    |
| 45            | 8490   | 9939    |

c角度范围: 0度 - 360度  
c角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

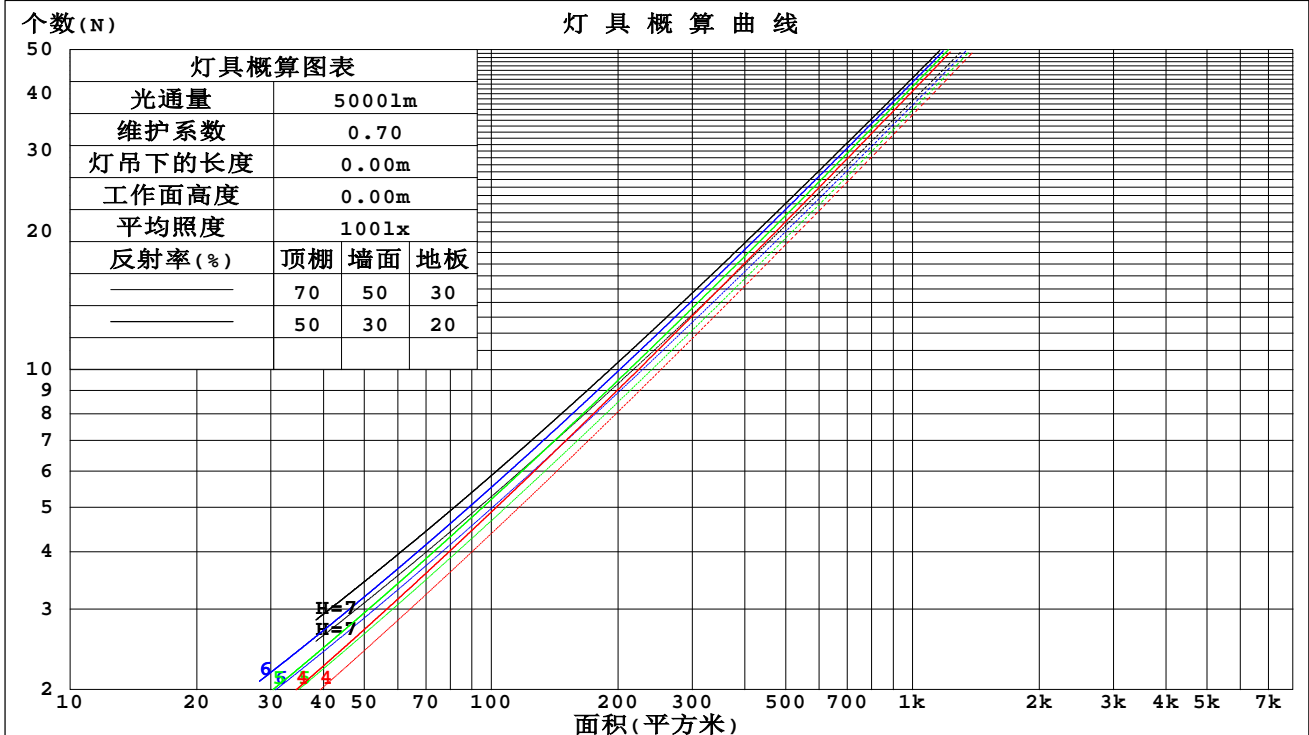
γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082C 50R  
DRIVER:PUP20A-1WMC 400mA  
30minutes warm-up

## 工作面利用系数和灯具概算曲线

实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz  
实检光通: 1579.4x1 lm

|                              |                                 |                  |
|------------------------------|---------------------------------|------------------|
| 灯具名称: 2318.110-LEA-14(400mA) | 灯具类型:                           | 灯具重量:            |
| 灯具规格: 3000K                  | 外型尺寸:                           | 测试编号: 2311291400 |
| 制造厂商: RISE                   | 发光口面: 0.003737385m <sup>2</sup> | 遮光角:             |

| 顶棚   | 80%           |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0   |
|------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 墙面   | 50%           | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| 地板   | 20%           |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0   |
| 室空间比 | 工 作 面 利 用 系 数 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0.0  | .83           | .83 | .83 | .81 | .81 | .81 | .77 | .77 | .77 | .74 | .74 | .74 | .71 | .71 | .71 | .70 |
| 1.0  | .78           | .76 | .75 | .76 | .75 | .73 | .73 | .72 | .71 | .71 | .70 | .69 | .68 | .68 | .67 | .66 |
| 2.0  | .73           | .70 | .68 | .72 | .69 | .67 | .69 | .67 | .66 | .67 | .66 | .64 | .65 | .64 | .63 | .62 |
| 3.0  | .68           | .65 | .63 | .67 | .65 | .62 | .66 | .63 | .61 | .64 | .62 | .60 | .62 | .61 | .59 | .58 |
| 4.0  | .64           | .61 | .58 | .64 | .60 | .58 | .62 | .59 | .57 | .61 | .58 | .57 | .60 | .58 | .56 | .55 |
| 5.0  | .61           | .57 | .54 | .60 | .57 | .54 | .59 | .56 | .54 | .58 | .55 | .53 | .57 | .55 | .53 | .52 |
| 6.0  | .57           | .54 | .51 | .57 | .53 | .51 | .56 | .53 | .50 | .55 | .52 | .50 | .54 | .52 | .50 | .49 |
| 7.0  | .54           | .51 | .48 | .54 | .50 | .48 | .53 | .50 | .48 | .52 | .49 | .47 | .52 | .49 | .47 | .46 |
| 8.0  | .52           | .48 | .45 | .51 | .48 | .45 | .51 | .47 | .45 | .50 | .47 | .45 | .49 | .47 | .45 | .44 |
| 9.0  | .49           | .45 | .43 | .49 | .45 | .43 | .48 | .45 | .42 | .48 | .45 | .42 | .47 | .44 | .42 | .41 |
| 10.0 | .47           | .43 | .40 | .46 | .43 | .40 | .46 | .43 | .40 | .45 | .42 | .40 | .45 | .42 | .40 | .39 |



C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

Y角度范围: 0度 - 180度  
Y角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: BXRE-30G1000-A-83 Ra:90  
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DRIVER: PUP20A-1WMC 400mA  
30minutes warm-up

## 墙面和天花板利用系数

|   |  |  |                                 |  |  |                  |  |  |
|---|--|--|---------------------------------|--|--|------------------|--|--|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |  |  |                                 |  |  |                  |  |  |
| 灯具名称: 2318.110-LEA-14(400mA)  |  |  | 灯具类型:                           |  |  | 灯具重量:            |  |  |
| 灯具规格: 3000K   |  |  | 外型尺寸:                           |  |  | 测试编号: 2311291400 |  |  |
| 制造厂商: RISE  |  |  | 发光口面: 0.003737385m <sup>2</sup> |  |  | 遮光角:             |  |  |

|      |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 顶棚   | 80%           |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| 墙面   | 50%           | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| 地板   | 20%           |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| 室空间比 | 墙 壁 面 利 用 系 数 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 1.0  | .115          | .066 | .021 | .111 | .063 | .020 | .102 | .059 | .019 | .094 | .054 | .017 | .087 | .050 | .016 |   |
| 2.0  | .110          | .060 | .018 | .106 | .058 | .018 | .099 | .055 | .017 | .092 | .052 | .016 | .086 | .048 | .015 |   |
| 3.0  | .104          | .056 | .017 | .101 | .054 | .016 | .095 | .051 | .016 | .089 | .049 | .015 | .084 | .046 | .014 |   |
| 4.0  | .099          | .052 | .015 | .096 | .050 | .015 | .091 | .048 | .014 | .086 | .046 | .014 | .082 | .044 | .014 |   |
| 5.0  | .095          | .048 | .014 | .092 | .047 | .014 | .088 | .046 | .013 | .083 | .044 | .013 | .079 | .042 | .013 |   |
| 6.0  | .091          | .045 | .013 | .088 | .045 | .013 | .084 | .043 | .013 | .081 | .042 | .012 | .077 | .041 | .012 |   |
| 7.0  | .087          | .043 | .012 | .085 | .042 | .012 | .081 | .041 | .012 | .078 | .040 | .012 | .075 | .039 | .011 |   |
| 8.0  | .083          | .041 | .011 | .082 | .040 | .011 | .078 | .039 | .011 | .075 | .038 | .011 | .073 | .037 | .011 |   |
| 9.0  | .080          | .039 | .011 | .078 | .038 | .011 | .076 | .037 | .011 | .073 | .037 | .010 | .070 | .036 | .010 |   |
| 10.0 | .077          | .037 | .010 | .076 | .037 | .010 | .073 | .036 | .010 | .071 | .035 | .010 | .068 | .034 | .010 |   |

|      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 顶棚   | 80%     |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| 墙面   | 50%     | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| 地板   | 20%     |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| 室空间比 | 天花板利用系数 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .133    | .133 | .133 | .114 | .114 | .114 | .077 | .077 | .077 | .045 | .045 | .045 | .014 | .014 | .014 |   |
| 1.0  | .119    | .110 | .102 | .102 | .094 | .087 | .070 | .065 | .060 | .040 | .037 | .035 | .013 | .012 | .011 |   |
| 2.0  | .108    | .092 | .080 | .092 | .080 | .069 | .063 | .055 | .048 | .036 | .032 | .028 | .012 | .010 | .009 |   |
| 3.0  | .099    | .079 | .064 | .084 | .068 | .055 | .058 | .047 | .039 | .033 | .028 | .023 | .011 | .009 | .007 |   |
| 4.0  | .091    | .069 | .052 | .078 | .059 | .045 | .054 | .041 | .032 | .031 | .024 | .019 | .010 | .008 | .006 |   |
| 5.0  | .085    | .061 | .043 | .073 | .052 | .037 | .050 | .037 | .026 | .029 | .021 | .016 | .009 | .007 | .005 |   |
| 6.0  | .079    | .054 | .036 | .068 | .047 | .031 | .047 | .033 | .022 | .027 | .019 | .013 | .009 | .006 | .004 |   |
| 7.0  | .075    | .049 | .030 | .064 | .042 | .026 | .044 | .030 | .019 | .026 | .017 | .011 | .008 | .006 | .004 |   |
| 8.0  | .071    | .044 | .026 | .061 | .038 | .023 | .042 | .027 | .016 | .025 | .016 | .010 | .008 | .005 | .003 |   |
| 9.0  | .067    | .041 | .022 | .058 | .035 | .020 | .040 | .025 | .014 | .023 | .015 | .008 | .008 | .005 | .003 |   |
| 10.0 | .064    | .037 | .020 | .055 | .033 | .017 | .038 | .023 | .012 | .022 | .014 | .007 | .007 | .004 | .002 |   |

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 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: zoe  
 测试日期: 2023-11-29

γ角度范围: 0度 - 180度  
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 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP:BXRE-30G1000-A-83 Ra:90  
 LENS:PM-1082C 50R  
 DRIVER:PUP20A-1WMC 400mA  
 30minutes warm-up

UGR(Unified Glare Rating)数据表

|   |     |                      |      |      |                     |      |                    |                  |      |      |      |      |
|---|-----|----------------------|------|------|---------------------|------|--------------------|------------------|------|------|------|------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |     |                      |      |      |                     |      |                    |                  |      |      |      |      |
| 灯具名称: 2318.110-LEA-14(400mA)  |     |                      |      |      | 灯具类型:               |      |                    | 灯具重量:            |      |      |      |      |
| 灯具规格: 3000K   |     |                      |      |      | 外型尺寸:               |      |                    | 测试编号: 2311291400 |      |      |      |      |
| 制造厂商: RISE  |     |                      |      |      | 发光口面: 0.003737385m2 |      |                    | 遮光角:             |      |      |      |      |
| 反射比:  | 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(Viewed crosswise) |      |      |                     |      | 纵向(Viewed endwise) |                  |      |      |      |      |
| x = 2H y = 2H   | 2H  | 17.0                 | 17.9 | 17.3 | 18.1                | 18.2 | 17.0               | 17.9             | 17.2 | 18.0 | 18.2 |      |
|   | 3H  | 16.9                 | 17.7 | 17.1 | 17.9                | 18.1 | 16.8               | 17.6             | 17.1 | 17.8 | 18.0 |      |
|   | 4H  | 16.8                 | 17.5 | 17.1 | 17.8                | 18.0 | 16.7               | 17.5             | 17.0 | 17.7 | 17.9 |      |
|   | 6H  | 16.7                 | 17.4 | 17.0 | 17.6                | 17.9 | 16.7               | 17.4             | 16.9 | 17.6 | 17.8 |      |
|   | 8H  | 16.7                 | 17.3 | 17.0 | 17.6                | 17.8 | 16.6               | 17.3             | 16.9 | 17.5 | 17.8 |      |
|   | 12H | 16.6                 | 17.3 | 16.9 | 17.5                | 17.8 | 16.6               | 17.2             | 16.9 | 17.5 | 17.8 |      |
|   | 4H  | 2H                   | 16.8 | 17.5 | 17.1                | 17.8 | 18.0               | 16.7             | 17.5 | 17.0 | 17.7 | 17.9 |
|   |     | 3H                   | 16.6 | 17.3 | 16.9                | 17.5 | 17.8               | 16.6             | 17.2 | 16.9 | 17.5 | 17.8 |
|   |     | 4H                   | 16.5 | 17.1 | 16.9                | 17.4 | 17.7               | 16.5             | 17.1 | 16.8 | 17.4 | 17.7 |
|   |     | 6H                   | 16.4 | 16.9 | 16.8                | 17.3 | 17.6               | 16.4             | 16.9 | 16.7 | 17.2 | 17.6 |
|   |     | 8H                   | 16.4 | 16.9 | 16.8                | 17.2 | 17.6               | 16.3             | 16.8 | 16.7 | 17.2 | 17.5 |
|   |     | 12H                  | 16.3 | 16.8 | 16.7                | 17.1 | 17.5               | 16.3             | 16.7 | 16.7 | 17.1 | 17.5 |
| 8H  | 4H  | 16.4                 | 16.9 | 16.8 | 17.2                | 17.6 | 16.3               | 16.8             | 16.7 | 17.2 | 17.5 |      |
|   | 6H  | 16.3                 | 16.7 | 16.7 | 17.1                | 17.5 | 16.2               | 16.6             | 16.6 | 17.0 | 17.4 |      |
|   | 8H  | 16.2                 | 16.6 | 16.7 | 17.0                | 17.4 | 16.2               | 16.5             | 16.6 | 16.9 | 17.4 |      |
|   | 12H | 16.2                 | 16.5 | 16.6 | 16.9                | 17.4 | 16.1               | 16.4             | 16.6 | 16.8 | 17.3 |      |
| 12H   | 4H  | 16.3                 | 16.8 | 16.7 | 17.1                | 17.5 | 16.3               | 16.7             | 16.7 | 17.1 | 17.5 |      |
|   | 6H  | 16.2                 | 16.6 | 16.7 | 17.0                | 17.4 | 16.2               | 16.5             | 16.6 | 16.9 | 17.4 |      |
|   | 8H  | 16.2                 | 16.5 | 16.6 | 16.9                | 17.4 | 16.1               | 16.4             | 16.6 | 16.8 | 17.3 |      |
| 不同间隔布灯时,观察者位置引起的UGR变化(CIE Pub.117):   |     |                      |      |      |                     |      |                    |                  |      |      |      |      |
| S = 1.0H  |     | + 4.0 / -20.2        |      |      |                     |      | + 4.1 / -19.9      |                  |      |      |      |      |
| 1.5H  |     | + 6.6 / -15.8        |      |      |                     |      | + 6.7 / -15.9      |                  |      |      |      |      |
| 2.0H  |     | + 6.7 / -12.1        |      |      |                     |      | + 7.1 / -12.9      |                  |      |      |      |      |

依据CIE Pub.117计算, 1579lm光源光通表格中的数据需要进行修正( $8\log(F/F_0) = 1.6$ )。  
出光口面积: 0.00373738 m<sup>2</sup>

c角度范围: 0度 - 360度  
c角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: BXRE-30G1000-A-83 Ra: 90  
LENS: PM-1082C 50R  
DRIVER: PUP20A-1WMC 400mA  
30minutes warm-up

## UF利用系数表

|   |                                 |                  |
|---|---------------------------------|------------------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |                                 |                  |
| 灯具名称: 2318.110-LEA-14(400mA)  | 灯具类型:                           | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                           | 测试编号: 2311291400 |
| 制造厂商: RISE  | 发光口面: 0.003737385m <sup>2</sup> | 遮光角:             |

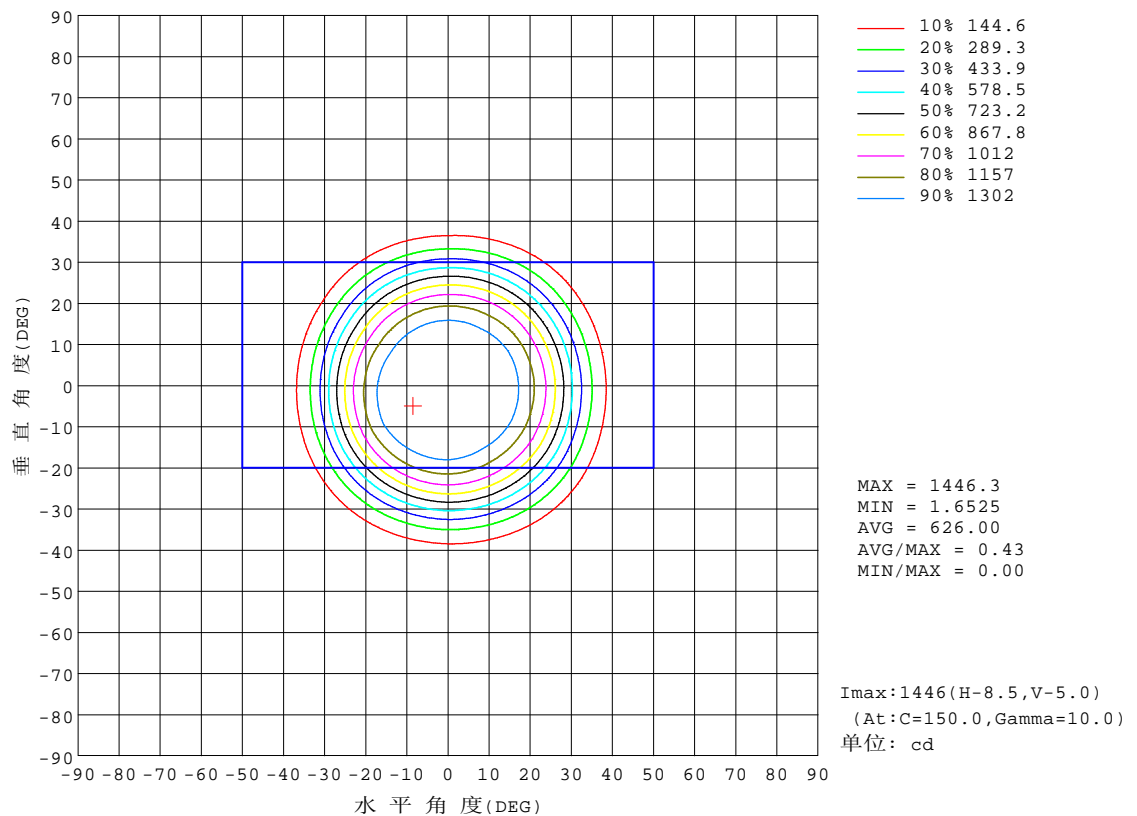
| 反 射 比 / REFLECTANCE        |  |     |     |     |     |     |                     |     |     |        |
|----------------------------|--|-----|-----|-----|-----|-----|---------------------|-----|-----|--------|
| 天花板                        | 0.8  | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5                 | 0.5 | 0.5 | 0      |
| 墙壁                         | 0.7  | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7                 | 0.5 | 0.3 | 0      |
| 工作面                        | 0.2  | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2                 | 0.2 | 0.2 | 0      |
| 室形指数                       | 利用系数 UTILIZATION FACTORS(%) $k(RI) \times RCR = 5$ |     |     |     |     |     |                     |     |     |        |
| k = 0.60                   | 63   | 59  | 56  | 63  | 59  | 56  | 62                  | 58  | 56  | 54     |
| 0.80                       | 68   | 64  | 62  | 67  | 64  | 62  | 67                  | 63  | 61  | 59     |
| 1.00                       | 71   | 67  | 65  | 70  | 67  | 65  | 69                  | 66  | 64  | 62     |
| 1.25                       | 73   | 70  | 68  | 72  | 69  | 67  | 71                  | 69  | 67  | 64     |
| 1.50                       | 75   | 72  | 70  | 74  | 71  | 69  | 73                  | 70  | 69  | 66     |
| 2.00                       | 76   | 74  | 72  | 75  | 73  | 71  | 74                  | 72  | 70  | 67     |
| 2.50                       | 77   | 75  | 73  | 76  | 74  | 73  | 74                  | 73  | 71  | 67     |
| 3.00                       | 78   | 76  | 75  | 77  | 75  | 74  | 75                  | 73  | 72  | 68     |
| 4.00                       | 80   | 78  | 77  | 78  | 77  | 76  | 76                  | 75  | 74  | 69     |
| 5.00                       | 81   | 79  | 78  | 79  | 78  | 77  | 76                  | 76  | 75  | 70     |
| ROOM INDEX                 | UF(总)  |     |     |     |     |     |                     |     |     | UF(直接) |
| 依据标准文件 DIN EN 13032-2 2004 |  |     | 悬挂灯 |     |     |     | 安装距高比 SHRNOM = 1.25 |     |     |        |

C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: zoe  
 测试日期: 2023-11-29

γ角度范围: 0度 - 180度  
 γ角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1 系统 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP:BXRE-30G1000-A-83 Ra:90  
 LENS:PM-1082C 50R  
 DRIVER:PUP20A-1WMC 400mA  
 30minutes warm-up

## 灯具等光强曲线

|   |                                 |                  |
|---|---------------------------------|------------------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |                                 |                  |
| 灯具名称: 2318.110-LEA-14(400mA)  | 灯具类型:                           | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                           | 测试编号: 2311291400 |
| 制造厂商: RISE  | 发光口面: 0.003737385m <sup>2</sup> | 遮光角:             |

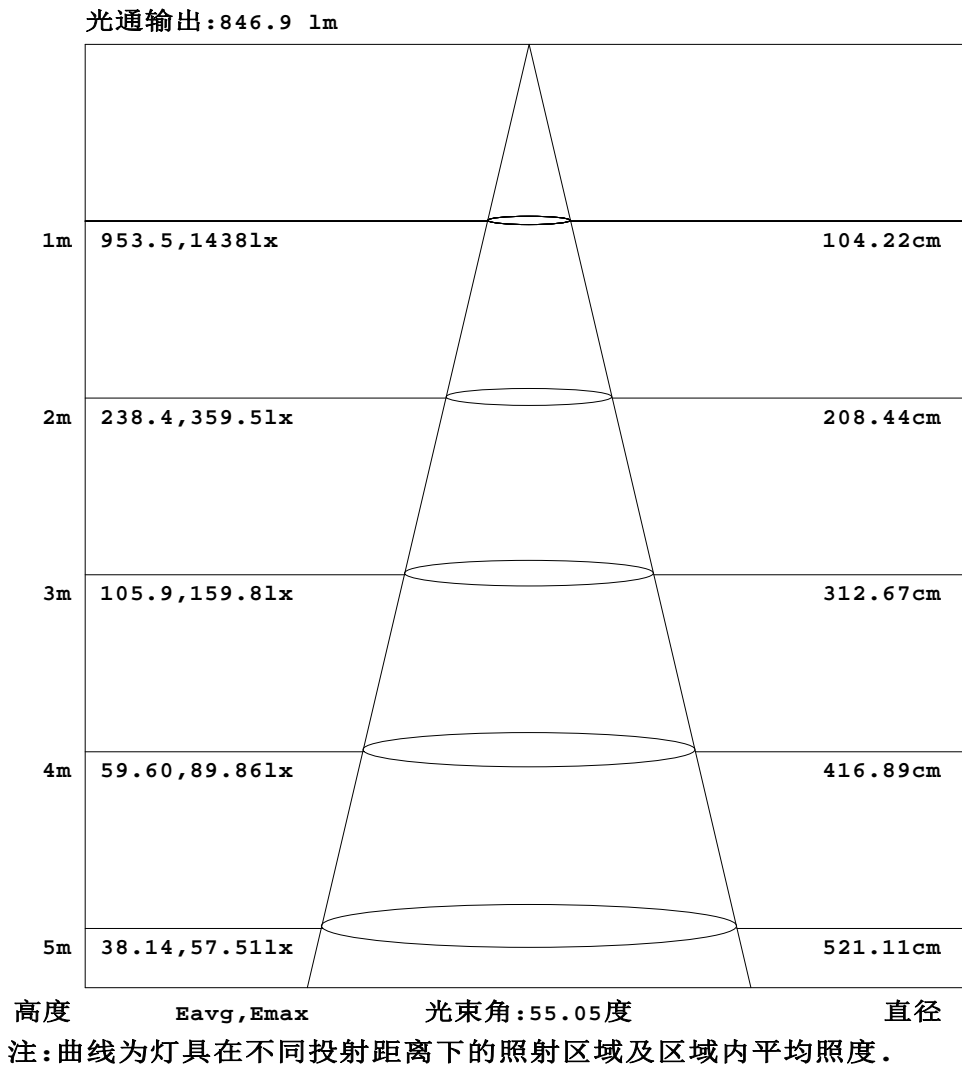


C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082C 50R  
DRIVER:PUP20A-1WMC 400mA  
30minutes warm-up

## 灯具有效平均照度图

|   |                                 |                  |
|---|---------------------------------|------------------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |                                 |                  |
| 灯具名称: 2318.110-LEA-14(400mA)  | 灯具类型:                           | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                           | 测试编号: 2311291400 |
| 制造厂商: RISE  | 发光口面: 0.003737385m <sup>2</sup> | 遮光角:             |

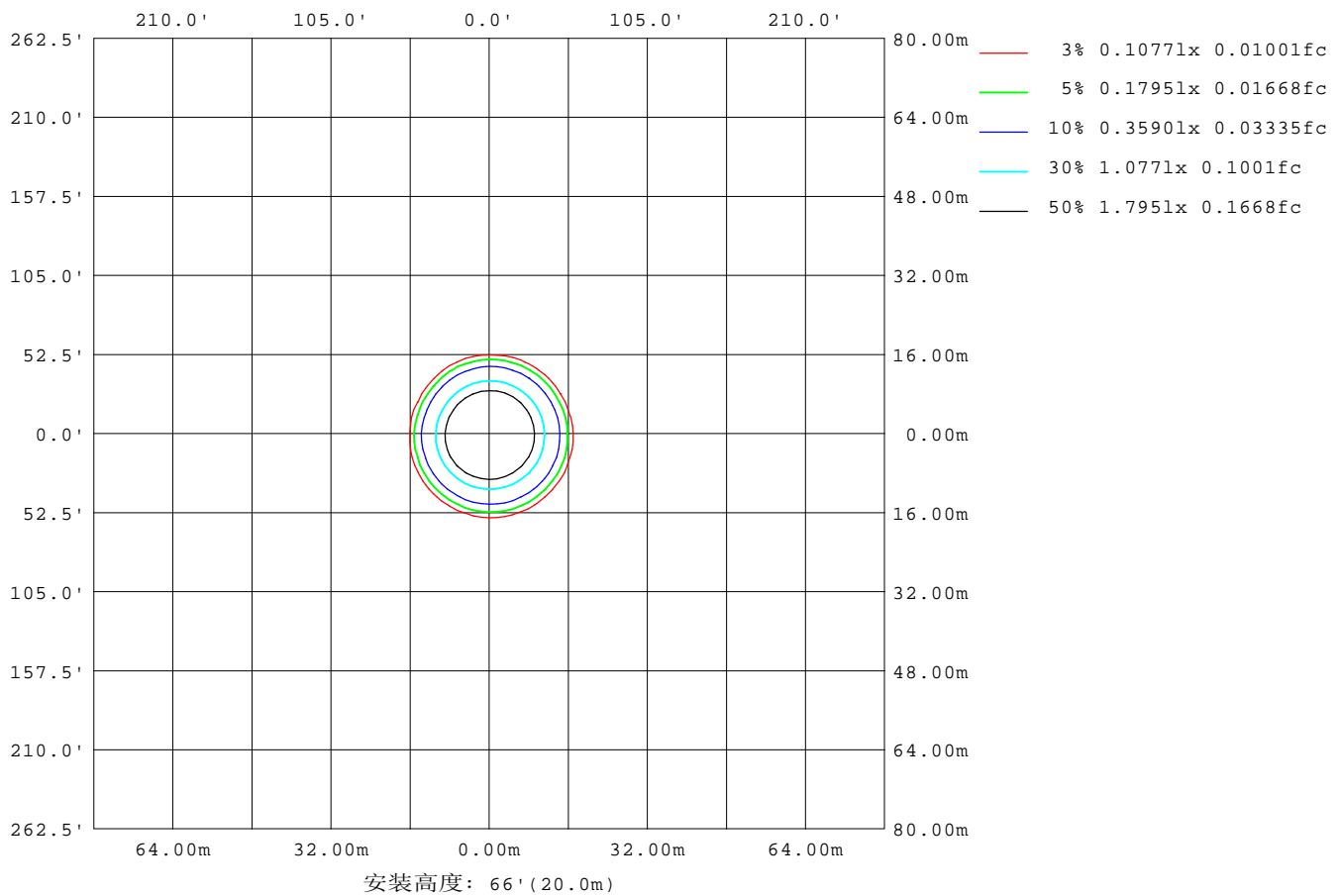


C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: BXRE-30G1000-A-83 Ra:90  
LENS: PM-1082C 50R  
DRIVER: PUP20A-1WMC 400mA  
30minutes warm-up

## 平面等照度曲线

|   |                                 |                  |
|---|---------------------------------|------------------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |                                 |                  |
| 灯具名称: 2318.110-LEA-14(400mA)  | 灯具类型:                           | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                           | 测试编号: 2311291400 |
| 制造厂商: RISE  | 发光口面: 0.003737385m <sup>2</sup> | 遮光角:             |



C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

Y角度范围: 0度 - 180度  
Y角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: BXRE-30G1000-A-83 Ra:90  
LENS: PM-1082C 50R  
DRIVER: PUP20A-1WMC 400mA  
30minutes warm-up

## LED筒灯平均亮度报告

|   |                                 |                  |
|---|---------------------------------|------------------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |                                 |                  |
| 灯具名称: 2318.110-LEA-14(400mA)  | 灯具类型:                           | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                           | 测试编号: 2311291400 |
| 制造厂商: RISE  | 发光口面: 0.003737385m <sup>2</sup> | 遮光角:             |

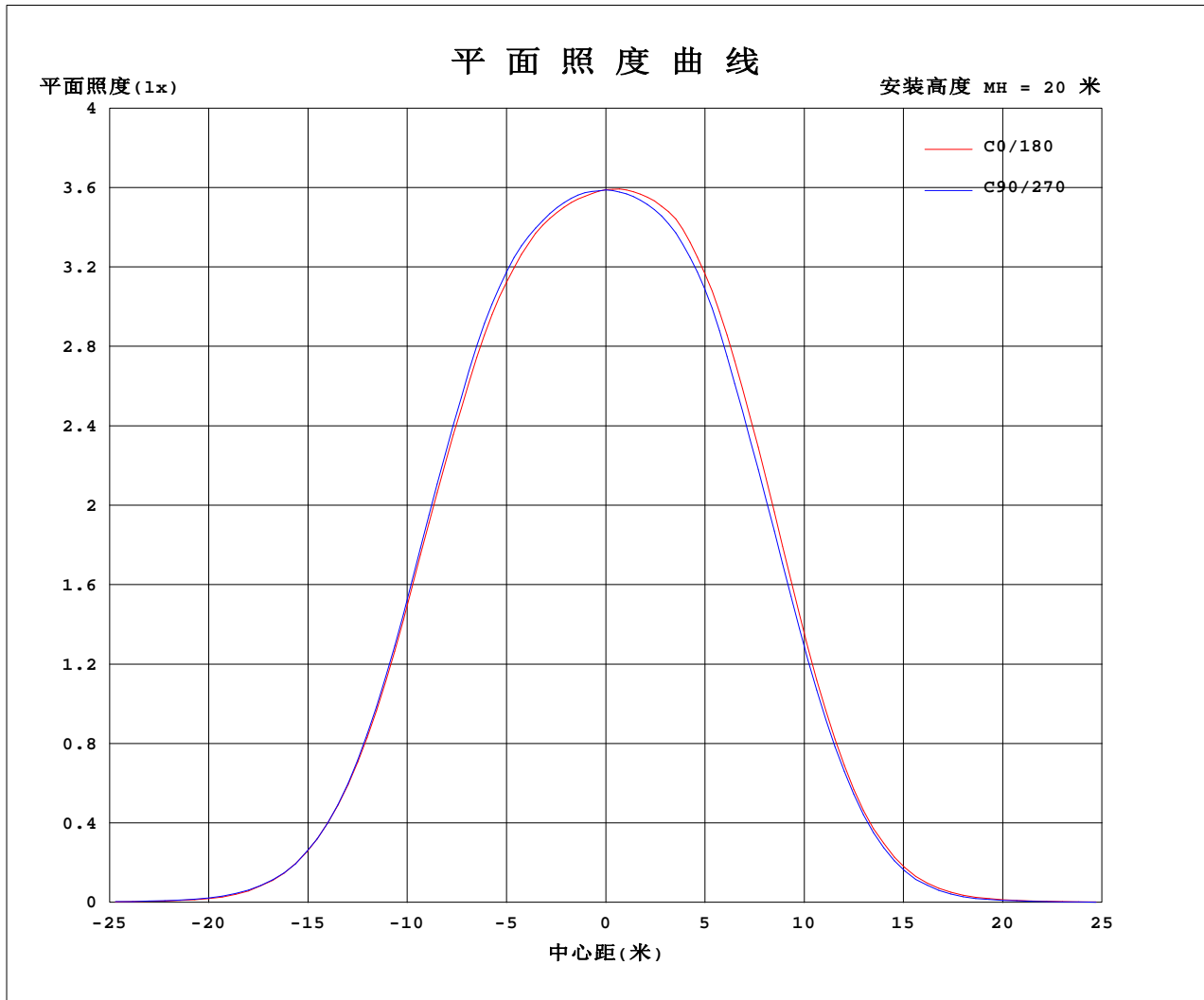
| 平均亮度      | 数值(cd/m <sup>2</sup> ) |
|-----------|------------------------|
| L横(65)av  | 274                    |
| L横(75)av  | 77                     |
| L横(85)av  | 101                    |
| L纵(65)av  | 272                    |
| L纵(75)av  | 74                     |
| L纵(85)av  | 107                    |
| L45(65)av | 271                    |
| L45(75)av | 70                     |
| L45(85)av | 75                     |

注:依据标准 GB/T 29293-2012 计算

C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: zoe  
 测试日期: 2023-11-29

γ角度范围: 0度 - 180度  
 γ角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP:BXRE-30G1000-A-83 Ra:90  
 LENS:PM-1082C 50R  
 DRIVER:PUP20A-1WMC 400mA  
 30minutes warm-up

## 平面照度曲线



C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

Y角度范围: 0度 - 180度  
Y角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: BXRE-30G1000-A-83 Ra: 90  
LENS: PM-1082C 50R  
DRIVER: PUP20A-1WMC 400mA  
30minutes warm-up



光 强 分 布 数 据 表 格

|   |                     |                  |
|---|---------------------|------------------|
| 实测参数: U:120.12V I:0.1330A P:15.872W PF:0.9920 Freq:59.98Hz<br>实检光通: 1579.4x1 lm |                     |                  |
| 灯具名称: 2318.110-LEA-14(400mA)  | 灯具类型:               | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:               | 测试编号: 2311291400 |
| 制造厂商: RISE  | 发光口面: 0.003737385m2 | 遮光角:             |

|                 |      |      |      |      |      |      |      |      |      |      |      |      |        |  |  |  |  |  |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--|--|--|--|--|
| 表--1            |      |      |      |      |      |      |      |      |      |      |      |      | 单位: cd |  |  |  |  |  |
| C(DEG)<br>(DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |        |  |  |  |  |  |
| 0               | 1436 | 1436 | 1436 | 1436 | 1436 | 1436 | 1436 | 1436 | 1436 | 1436 | 1436 | 1436 |        |  |  |  |  |  |
| 5               | 1426 | 1427 | 1430 | 1435 | 1441 | 1445 | 1443 | 1438 | 1435 | 1432 | 1427 | 1426 |        |  |  |  |  |  |
| 10              | 1411 | 1412 | 1413 | 1423 | 1433 | 1446 | 1441 | 1423 | 1416 | 1413 | 1405 | 1409 |        |  |  |  |  |  |
| 15              | 1353 | 1361 | 1357 | 1375 | 1381 | 1390 | 1366 | 1333 | 1328 | 1329 | 1329 | 1348 |        |  |  |  |  |  |
| 20              | 1200 | 1211 | 1208 | 1227 | 1225 | 1224 | 1178 | 1131 | 1120 | 1124 | 1140 | 1174 |        |  |  |  |  |  |
| 25              | 941  | 962  | 954  | 961  | 947  | 923  | 872  | 824  | 820  | 829  | 861  | 900  |        |  |  |  |  |  |
| 30              | 596  | 621  | 612  | 609  | 582  | 550  | 507  | 468  | 475  | 484  | 516  | 550  |        |  |  |  |  |  |
| 35              | 292  | 307  | 301  | 292  | 266  | 240  | 218  | 189  | 198  | 201  | 229  | 254  |        |  |  |  |  |  |
| 40              | 99.7 | 110  | 108  | 102  | 90.9 | 76.3 | 64.3 | 53.4 | 55.9 | 55.0 | 66.4 | 82.4 |        |  |  |  |  |  |
| 45              | 22.4 | 26.8 | 27.8 | 26.3 | 21.8 | 19.9 | 16.1 | 14.0 | 13.9 | 13.7 | 15.7 | 18.2 |        |  |  |  |  |  |
| 50              | 8.00 | 9.16 | 9.86 | 9.18 | 8.09 | 7.11 | 6.19 | 5.22 | 5.24 | 5.09 | 5.62 | 6.46 |        |  |  |  |  |  |
| 55              | 3.07 | 3.40 | 3.43 | 3.31 | 3.05 | 2.75 | 2.29 | 2.20 | 2.20 | 2.17 | 2.21 | 2.50 |        |  |  |  |  |  |
| 60              | 1.05 | 1.11 | 1.09 | 1.09 | 1.03 | 0.97 | 0.85 | 0.79 | 0.80 | 0.82 | 0.87 | 0.94 |        |  |  |  |  |  |
| 65              | 0.49 | 0.50 | 0.49 | 0.48 | 0.45 | 0.42 | 0.38 | 0.35 | 0.36 | 0.38 | 0.41 | 0.44 |        |  |  |  |  |  |
| 70              | 0.21 | 0.21 | 0.21 | 0.21 | 0.19 | 0.18 | 0.16 | 0.15 | 0.15 | 0.16 | 0.17 | 0.19 |        |  |  |  |  |  |
| 75              | 0.09 | 0.08 | 0.09 | 0.08 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 |        |  |  |  |  |  |
| 80              | 0.06 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |        |  |  |  |  |  |
| 85              | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.02 | 0.03 | 0.03 | 0.02 | 0.03 | 0.02 | 0.02 |        |  |  |  |  |  |
| 90              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 95              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 100             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 105             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 110             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 115             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 120             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 125             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 130             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 135             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 140             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 145             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 150             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 155             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 160             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 165             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 170             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 175             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |
| 180             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |        |  |  |  |  |  |

c角度范围: 0度 - 360度  
c角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-11-29

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082C 50R  
DRIVER:PUP20A-1WMC 400mA  
30minutes warm-up