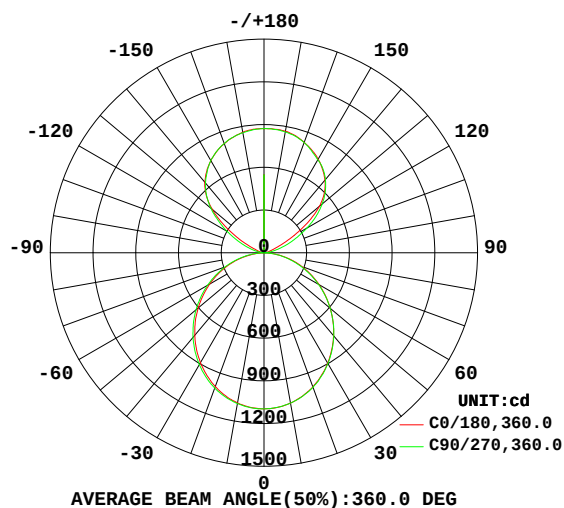


## LUMINAIRE PHOTOMETRIC TEST REPORT

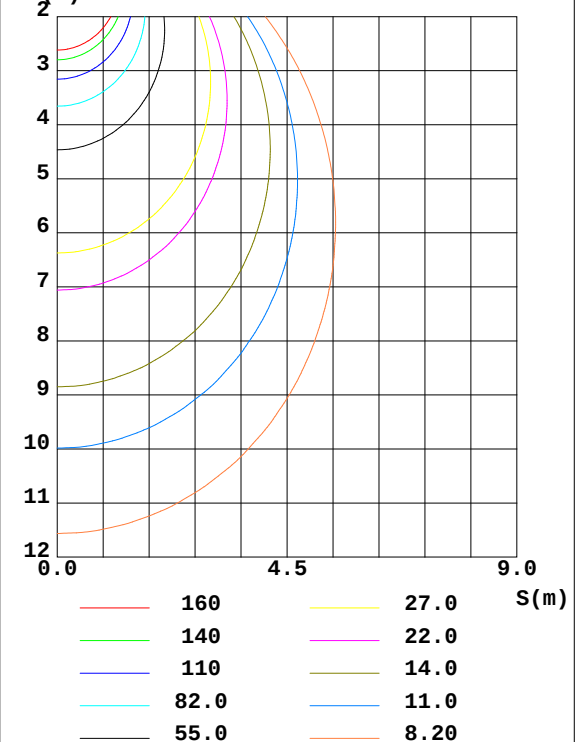
|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 109.60 lm/W |         |                    |            |
|------------------|---------|-----------------------------------|---------|--------------------|------------|
| MODEL            | 上下发光    | I <sub>max</sub> (cd)             | 1097    | S/MH(C0/180)       | 1.22       |
| NOMINAL POWER(W) | 50      | LOR(%)                            | 100.0   | S/MH(C90/270)      | 1.24       |
| RATED VOLTAGE(V) | 120.0   | TOTAL FLUX(lm)                    | 5195.3  | η UP, DN(C0-180)   | 21.6, 28.8 |
| NOMINAL FLUX(lm) | 5195.28 | CIE CLASS                         | DIFFUSE | η UP, DN(C180-360) | 20.8, 28.8 |
| LAMPS INSIDE     | 1       | η up(%)                           | 42.4    | CIBSE SHR NOM      | 1.25       |
| TEST VOLTAGE(V)  | 120.0   | η down(%)                         | 57.6    | CIBSE SHR MAX      | 1.35       |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: 何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 7.540m [K=1.3263]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

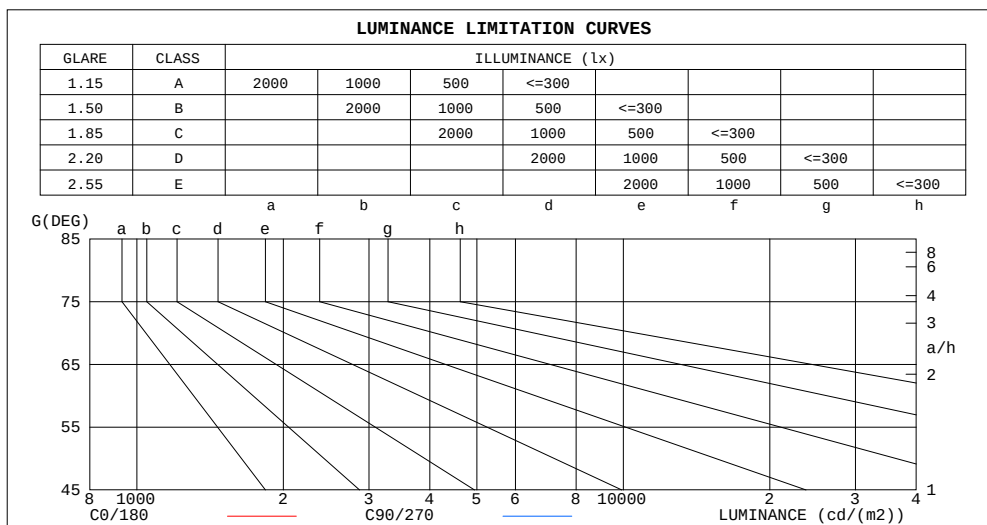
| $\gamma$ | C0                    | C45   | C90    | C135  | C180  | C225  | C270   | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|--------|-------|-------|-------|--------|-------|----------|-------------|--------------|------------|
| 10       | 1072                  | 1072  | 1072   | 1075  | 1071  | 1073  | 1075   | 1068  | 0- 10    | 103.5       | 103.5        | 1.99,1.99  |
| 20       | 1003                  | 1005  | 1005   | 1011  | 999.5 | 1006  | 1012   | 998.3 | 10- 20   | 294.3       | 397.8        | 7.66,7.66  |
| 30       | 894.5                 | 898.8 | 898.5  | 906.9 | 892.5 | 901.9 | 907.8  | 889.5 | 20- 30   | 440.3       | 838.1        | 16.1,16.1  |
| 40       | 760.5                 | 762.3 | 762.5  | 771.9 | 755.9 | 767.3 | 775.6  | 752.8 | 30- 40   | 521.5       | 1360         | 26.2,26.2  |
| 50       | 607.7                 | 609.3 | 607.3  | 618.6 | 603.6 | 614.6 | 622.7  | 598.7 | 40- 50   | 531.0       | 1891         | 36.4,36.4  |
| 60       | 446.3                 | 443.7 | 440.8  | 454.5 | 440.7 | 450.4 | 458.2  | 434.0 | 50- 60   | 472.5       | 2363         | 45.5,45.5  |
| 70       | 284.1                 | 278.6 | 272.6  | 290.9 | 276.9 | 286.1 | 290.7  | 272.4 | 60- 70   | 359.4       | 2723         | 52.4,52.4  |
| 80       | 122.8                 | 122.3 | 114.3  | 134.1 | 111.6 | 131.3 | 128.4  | 120.3 | 70- 80   | 212.9       | 2935         | 56.5,56.5  |
| 90       | 2.880                 | 3.361 | 0.4849 | 4.417 | 1.532 | 3.897 | 0.3850 | 3.382 | 80- 90   | 56.79       | 2992         | 57.6,57.6  |
| 100      | 15.93                 | 26.79 | 54.43  | 31.45 | 12.44 | 25.45 | 40.21  | 22.46 | 90-100   | 11.02       | 3003         | 57.8,57.8  |
| 110      | 64.09                 | 117.6 | 173.6  | 123.3 | 58.45 | 107.6 | 136.9  | 104.0 | 100-110  | 66.50       | 3070         | 59.1,59.1  |
| 120      | 244.4                 | 306.8 | 348.3  | 311.4 | 219.6 | 291.0 | 297.2  | 293.5 | 110-120  | 190.7       | 3260         | 62.8,62.8  |
| 130      | 508.0                 | 513.5 | 532.6  | 517.1 | 474.1 | 495.2 | 488.0  | 501.4 | 120-130  | 356.8       | 3617         | 69.6,69.6  |
| 140      | 666.5                 | 654.4 | 672.1  | 655.6 | 646.8 | 644.4 | 640.7  | 649.7 | 130-140  | 450.9       | 4068         | 78.3,78.3  |
| 150      | 760.0                 | 760.4 | 755.1  | 754.5 | 747.2 | 747.3 | 748.2  | 749.7 | 140-150  | 441.9       | 4510         | 86.8,86.8  |
| 160      | 826.1                 | 824.7 | 824.7  | 820.8 | 816.2 | 816.9 | 816.8  | 822.6 | 150-160  | 364.4       | 4874         | 93.8,93.8  |
| 170      | 867.2                 | 858.6 | 862.0  | 858.0 | 860.2 | 854.6 | 856.1  | 859.1 | 160-170  | 238.2       | 5113         | 98.4,98.4  |
| 180      | 870.0                 | 870.0 | 870.0  | 870.0 | 870.0 | 870.0 | 870.0  | 870.0 | 170-180  | 82.65       | 5195         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |        |       |       |       |        |       |          | UNIT: lm    |              |            |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:何俊伟  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.3263]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 77021  | 67809   |
| 80                | 101035 | 94067   |
| 75                | 112805 | 105504  |
| 70                | 118674 | 113856  |
| 65                | 123083 | 120368  |
| 60                | 127506 | 125941  |
| 55                | 131471 | 130697  |
| 50                | 135065 | 134976  |
| 45                | 138412 | 138757  |

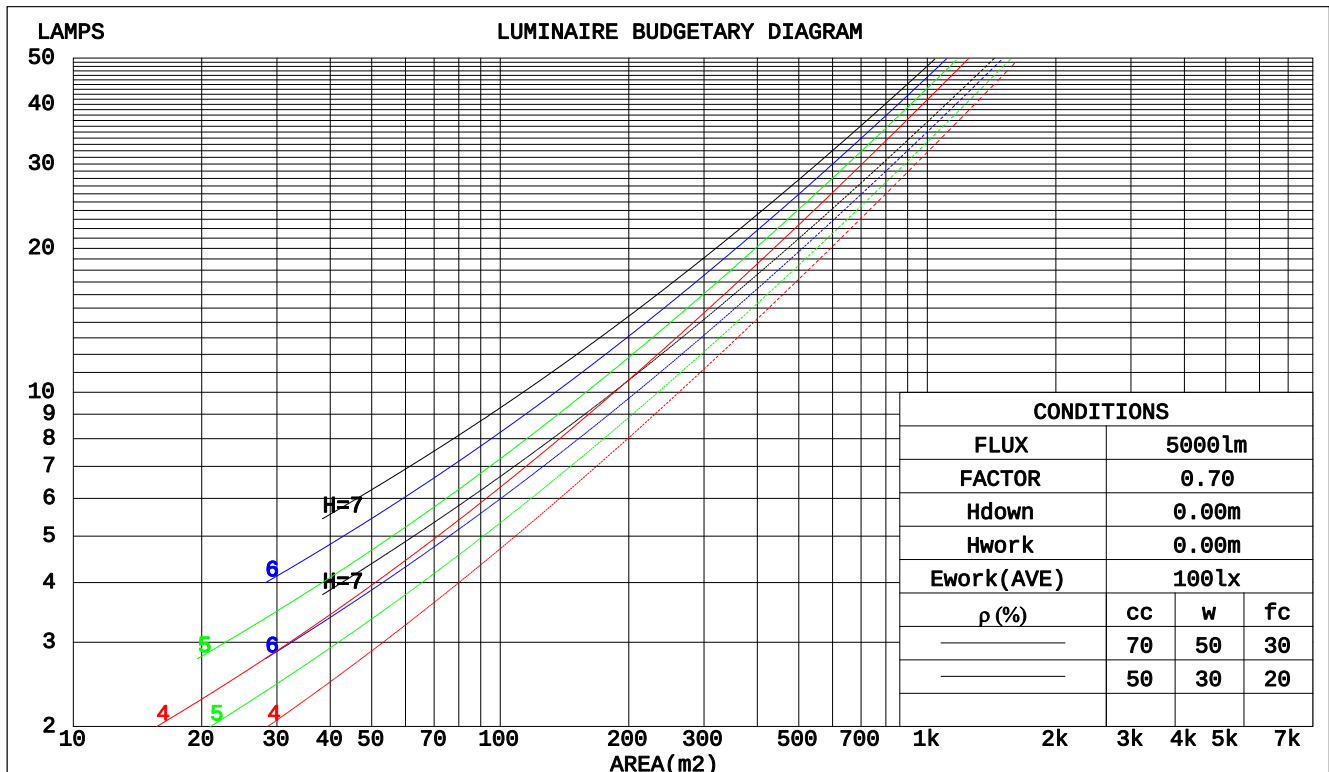
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                             |     |     | 30% |     |     | 10% |     |     | 0   |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| $\rho_W$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0         | 1.09                  | 1.09 | 1.09 | 1.01 | 1.01 | 1.01 | .88                             | .88 | .88 | .75 | .75 | .75 | .63 | .63 | .63 | .58 |
| 1.0         | .95                   | .91  | .87  | .89  | .85  | .82  | .77                             | .74 | .72 | .66 | .64 | .62 | .56 | .54 | .53 | .48 |
| 2.0         | .83                   | .76  | .71  | .77  | .72  | .67  | .67                             | .63 | .59 | .57 | .54 | .52 | .49 | .46 | .44 | .40 |
| 3.0         | .73                   | .65  | .59  | .68  | .61  | .56  | .59                             | .54 | .50 | .51 | .47 | .44 | .43 | .40 | .38 | .34 |
| 4.0         | .64                   | .56  | .50  | .60  | .53  | .47  | .52                             | .47 | .42 | .45 | .41 | .37 | .38 | .35 | .32 | .29 |
| 5.0         | .57                   | .49  | .43  | .54  | .46  | .41  | .47                             | .41 | .36 | .40 | .36 | .32 | .35 | .31 | .28 | .25 |
| 6.0         | .51                   | .43  | .37  | .48  | .41  | .35  | .42                             | .36 | .32 | .37 | .32 | .28 | .31 | .28 | .25 | .22 |
| 7.0         | .46                   | .38  | .33  | .44  | .36  | .31  | .38                             | .32 | .28 | .33 | .28 | .25 | .29 | .25 | .22 | .19 |
| 8.0         | .42                   | .34  | .29  | .40  | .32  | .27  | .35                             | .29 | .25 | .30 | .26 | .22 | .26 | .22 | .20 | .17 |
| 9.0         | .38                   | .31  | .26  | .36  | .29  | .24  | .32                             | .26 | .22 | .28 | .23 | .20 | .24 | .20 | .18 | .16 |
| 10.0        | .35                   | .28  | .23  | .33  | .27  | .22  | .29                             | .24 | .20 | .26 | .21 | .18 | .22 | .19 | .16 | .14 |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

### WEC AND CCEC

|                                                                                |  |  |  |  |                            |  |  |                  |  |
|--------------------------------------------------------------------------------|--|--|--|--|----------------------------|--|--|------------------|--|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |  |  |  |  |                            |  |  |                  |  |
| NAME: 17代 白色                                                                   |  |  |  |  | TYPE:50W 3000K 3.7         |  |  | WEIGHT:          |  |
| SPEC.:                                                                         |  |  |  |  | DIM.:                      |  |  | SERIAL No.:      |  |
| MFR.: WS                                                                       |  |  |  |  | SUR.:0.1005*0.03+0.12*0.04 |  |  | Shielding Angle: |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0         | .287                  | .163 | .052 | .267 | .152 | .048 | .230                            | .132 | .042 | .196 | .113 | .036 | .164 | .095 | .031 |   |
| 2.0         | .268                  | .147 | .045 | .250 | .137 | .042 | .216                            | .120 | .037 | .185 | .104 | .032 | .156 | .088 | .028 |   |
| 3.0         | .247                  | .132 | .039 | .231 | .124 | .037 | .200                            | .108 | .033 | .172 | .094 | .029 | .145 | .080 | .025 |   |
| 4.0         | .229                  | .119 | .035 | .214 | .112 | .033 | .185                            | .098 | .029 | .159 | .085 | .026 | .135 | .073 | .022 |   |
| 5.0         | .212                  | .108 | .031 | .198 | .102 | .030 | .172                            | .090 | .026 | .148 | .078 | .023 | .125 | .067 | .020 |   |
| 6.0         | .197                  | .099 | .028 | .184 | .093 | .027 | .160                            | .082 | .024 | .138 | .072 | .021 | .117 | .061 | .018 |   |
| 7.0         | .183                  | .091 | .026 | .172 | .086 | .024 | .150                            | .076 | .022 | .129 | .066 | .019 | .109 | .057 | .017 |   |
| 8.0         | .172                  | .084 | .024 | .161 | .079 | .022 | .140                            | .070 | .020 | .121 | .061 | .018 | .103 | .053 | .015 |   |
| 9.0         | .161                  | .078 | .022 | .151 | .074 | .021 | .132                            | .065 | .018 | .114 | .057 | .016 | .097 | .049 | .014 |   |
| 10.0        | .151                  | .073 | .020 | .142 | .069 | .019 | .124                            | .061 | .017 | .107 | .053 | .015 | .091 | .046 | .013 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .514                  | .514 | .514 | .439 | .439 | .439 | .300                                       | .300 | .300 | .172 | .172 | .172 | .055 | .055 | .055 |   |
| 1.0  | .504                  | .482 | .462 | .432 | .414 | .398 | .295                                       | .285 | .275 | .170 | .165 | .160 | .054 | .053 | .052 |   |
| 2.0  | .497                  | .460 | .429 | .426 | .396 | .371 | .292                                       | .274 | .259 | .168 | .159 | .152 | .054 | .052 | .049 |   |
| 3.0  | .490                  | .444 | .407 | .420 | .383 | .353 | .288                                       | .266 | .248 | .167 | .155 | .146 | .053 | .050 | .048 |   |
| 4.0  | .483                  | .432 | .393 | .414 | .373 | .341 | .285                                       | .260 | .240 | .165 | .152 | .142 | .053 | .050 | .047 |   |
| 5.0  | .476                  | .422 | .382 | .409 | .365 | .333 | .282                                       | .255 | .235 | .163 | .150 | .139 | .053 | .049 | .046 |   |
| 6.0  | .470                  | .415 | .375 | .404 | .359 | .326 | .279                                       | .251 | .231 | .162 | .148 | .137 | .052 | .048 | .045 |   |
| 7.0  | .464                  | .408 | .369 | .399 | .354 | .322 | .276                                       | .248 | .228 | .160 | .146 | .136 | .052 | .048 | .045 |   |
| 8.0  | .458                  | .403 | .365 | .394 | .350 | .319 | .273                                       | .245 | .226 | .159 | .145 | .135 | .051 | .047 | .045 |   |
| 9.0  | .452                  | .399 | .362 | .390 | .346 | .316 | .270                                       | .243 | .224 | .157 | .144 | .134 | .051 | .047 | .044 |   |
| 10.0 | .447                  | .395 | .360 | .386 | .343 | .314 | .268                                       | .241 | .223 | .156 | .143 | .133 | .051 | .047 | .044 |   |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                |               |                  |      |      |                            |               |                |                  |      |      |      |
|--------------------------------------------------------------------------------|---------------|------------------|------|------|----------------------------|---------------|----------------|------------------|------|------|------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |               |                  |      |      |                            |               |                |                  |      |      |      |
| NAME: 17代 白色                                                                   |               |                  |      |      | TYPE:50W 3000K 3.7         |               |                | WEIGHT:          |      |      |      |
| SPEC.:                                                                         |               |                  |      |      | DIM.:                      |               |                | SERIAL No.:      |      |      |      |
| MFR.: WS                                                                       |               |                  |      |      | SUR.:0.1005*0.03+0.12*0.04 |               |                | Shielding Angle: |      |      |      |
| ceiling/cavity                                                                 | 0.7           | 0.7              | 0.5  | 0.5  | 0.3                        | 0.7           | 0.7            | 0.5              | 0.5  | 0.3  |      |
| walls                                                                          | 0.5           | 0.3              | 0.5  | 0.3  | 0.3                        | 0.5           | 0.3            | 0.5              | 0.3  | 0.3  |      |
| working plane                                                                  | 0.2           | 0.2              | 0.2  | 0.2  | 0.2                        | 0.2           | 0.2            | 0.2              | 0.2  | 0.2  |      |
| Room dimensions                                                                |               | Viewed crosswise |      |      |                            |               | Viewed endwise |                  |      |      |      |
| x = 2H y = 2H                                                                  | 27.1          | 28.1             | 27.9 | 28.9 | 29.9                       | 27.1          | 28.1           | 27.8             | 28.9 | 29.8 |      |
|                                                                                | 3H            | 28.5             | 29.5 | 29.4 | 30.3                       | 31.3          | 28.4           | 29.3             | 29.2 | 30.2 | 31.2 |
|                                                                                | 4H            | 29.1             | 30.0 | 30.0 | 30.8                       | 31.8          | 29.0           | 29.8             | 29.8 | 30.6 | 31.7 |
|                                                                                | 6H            | 29.5             | 30.3 | 30.4 | 31.2                       | 32.2          | 29.3           | 30.1             | 30.2 | 31.0 | 32.0 |
|                                                                                | 8H            | 29.7             | 30.4 | 30.5 | 31.3                       | 32.3          | 29.4           | 30.2             | 30.3 | 31.0 | 32.1 |
|                                                                                | 12H           | 29.7             | 30.4 | 30.6 | 31.3                       | 32.4          | 29.4           | 30.2             | 30.3 | 31.0 | 32.1 |
| 4H                                                                             | 2H            | 27.5             | 28.4 | 28.4 | 29.2                       | 30.3          | 27.5           | 28.4             | 28.3 | 29.2 | 30.2 |
|                                                                                | 3H            | 29.2             | 29.9 | 30.0 | 30.7                       | 31.8          | 29.1           | 29.8             | 29.9 | 30.6 | 31.7 |
|                                                                                | 4H            | 29.9             | 30.5 | 30.7 | 31.4                       | 32.5          | 29.7           | 30.4             | 30.6 | 31.2 | 32.3 |
|                                                                                | 6H            | 30.4             | 31.0 | 31.3 | 31.9                       | 33.0          | 30.2           | 30.7             | 31.1 | 31.6 | 32.8 |
|                                                                                | 8H            | 30.5             | 31.1 | 31.5 | 32.0                       | 33.1          | 30.3           | 30.8             | 31.2 | 31.8 | 32.9 |
|                                                                                | 12H           | 30.6             | 31.1 | 31.5 | 32.0                       | 33.2          | 30.4           | 30.8             | 31.3 | 31.8 | 32.9 |
| 8H                                                                             | 4H            | 30.0             | 30.5 | 30.9 | 31.5                       | 32.6          | 29.9           | 30.4             | 30.8 | 31.3 | 32.5 |
|                                                                                | 6H            | 30.7             | 31.1 | 31.6 | 32.1                       | 33.2          | 30.5           | 30.9             | 31.4 | 31.9 | 33.1 |
|                                                                                | 8H            | 30.9             | 31.3 | 31.9 | 32.2                       | 33.5          | 30.7           | 31.1             | 31.7 | 32.0 | 33.2 |
|                                                                                | 12H           | 31.1             | 31.4 | 32.0 | 32.3                       | 33.6          | 30.8           | 31.1             | 31.8 | 32.1 | 33.3 |
| 12H                                                                            | 4H            | 30.0             | 30.5 | 30.9 | 31.4                       | 32.6          | 29.9           | 30.3             | 30.8 | 31.3 | 32.4 |
|                                                                                | 6H            | 30.7             | 31.1 | 31.7 | 32.0                       | 33.2          | 30.5           | 30.9             | 31.5 | 31.8 | 33.1 |
|                                                                                | 8H            | 31.0             | 31.3 | 31.9 | 32.3                       | 33.5          | 30.8           | 31.1             | 31.7 | 32.0 | 33.3 |
| Variations with the observer position at spacings:                             |               |                  |      |      |                            |               |                |                  |      |      |      |
| S = 1.0H                                                                       | + 0.2 / - 0.2 |                  |      |      |                            | + 0.2 / - 0.2 |                |                  |      |      |      |
| 1.5H                                                                           | + 0.2 / - 0.3 |                  |      |      |                            | + 0.2 / - 0.3 |                |                  |      |      |      |
| 2.0H                                                                           | + 0.2 / - 0.3 |                  |      |      |                            | + 0.2 / - 0.2 |                |                  |      |      |      |

CIE Pub.117 Corrected 5195 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.7)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |

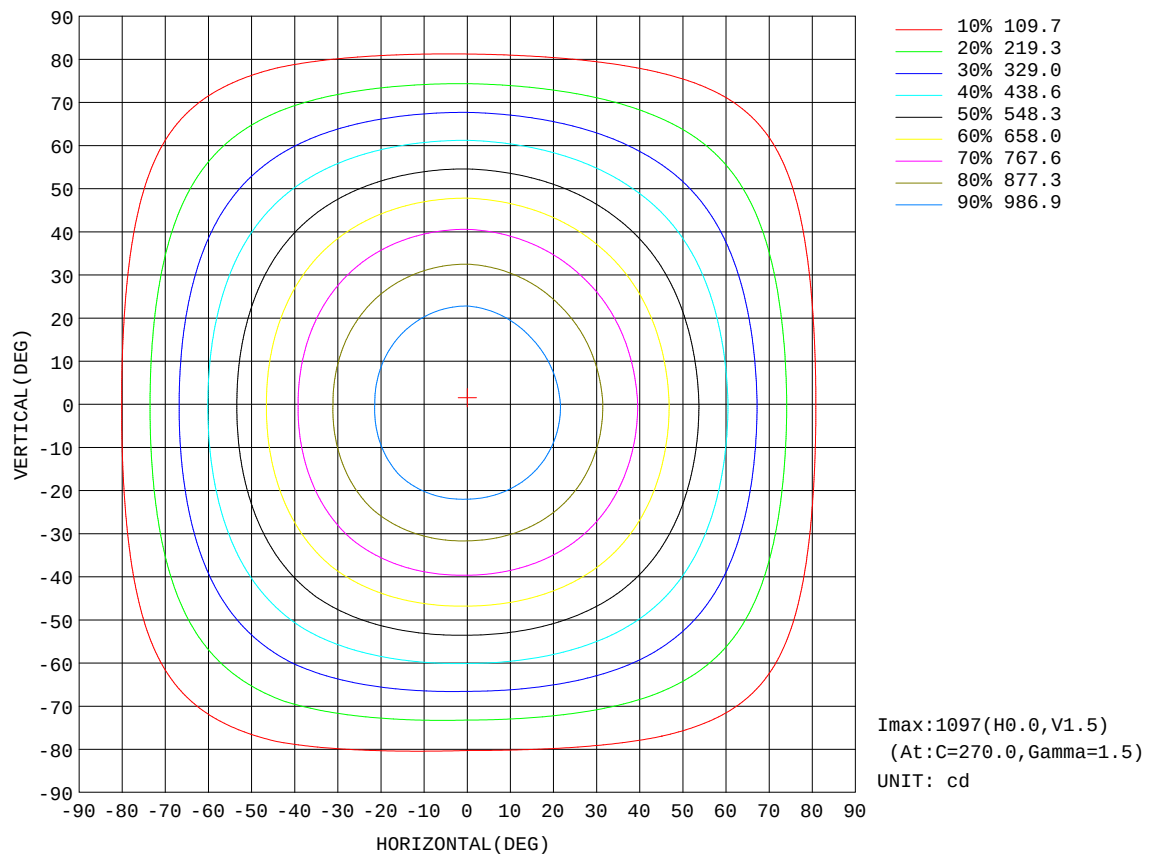
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                 | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                 | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                 | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 46                                                  | 36  | 29        | 44  | 34  | 28  | 40  | 32            | 27  | 19     |
| 0.80                             | 56                                                  | 45  | 38        | 53  | 43  | 36  | 47  | 39            | 34  | 24     |
| 1.00                             | 64                                                  | 53  | 45        | 60  | 50  | 44  | 54  | 47            | 40  | 29     |
| 1.25                             | 71                                                  | 60  | 53        | 67  | 57  | 51  | 59  | 52            | 46  | 33     |
| 1.50                             | 76                                                  | 66  | 58        | 71  | 62  | 56  | 63  | 56            | 51  | 36     |
| 2.00                             | 83                                                  | 74  | 67        | 78  | 70  | 64  | 68  | 62            | 57  | 40     |
| 2.50                             | 87                                                  | 79  | 73        | 82  | 74  | 69  | 71  | 66            | 62  | 43     |
| 3.00                             | 91                                                  | 83  | 77        | 85  | 78  | 73  | 74  | 69            | 65  | 45     |
| 4.00                             | 95                                                  | 89  | 84        | 89  | 83  | 79  | 77  | 73            | 70  | 48     |
| 5.00                             | 97                                                  | 92  | 88        | 91  | 86  | 83  | 79  | 76            | 73  | 50     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:何俊伟  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.3263]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |

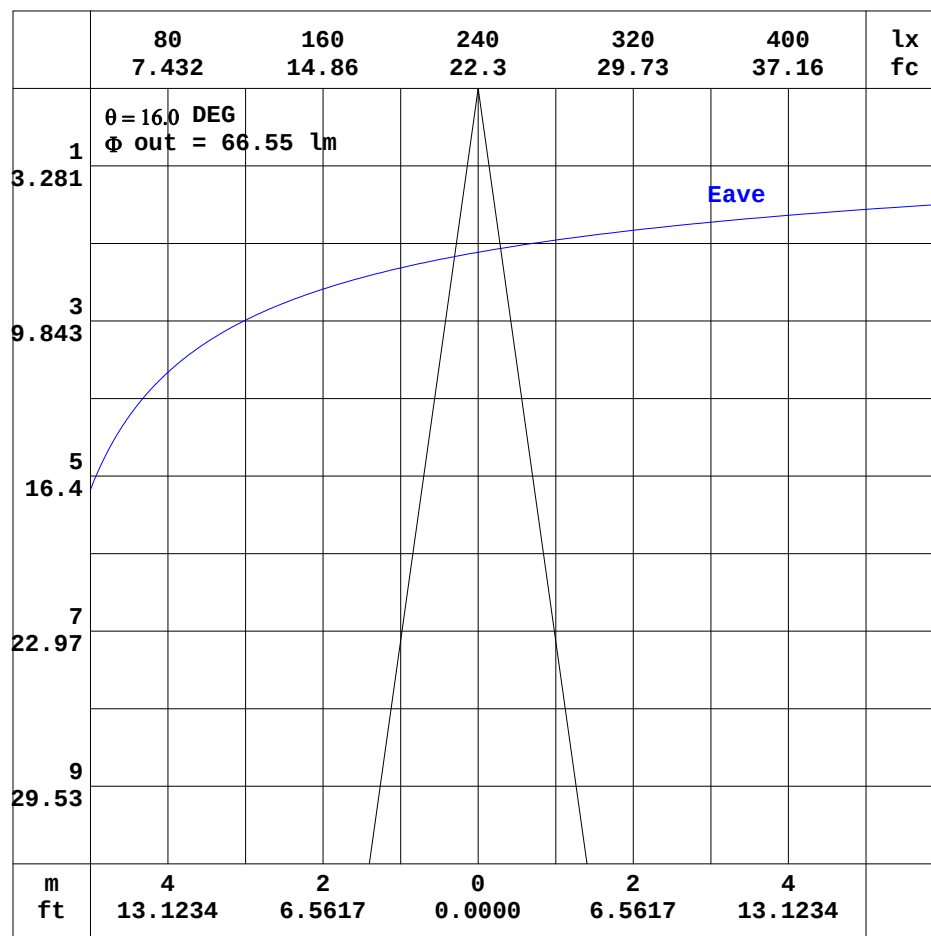


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

## AAI CURVES

|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |



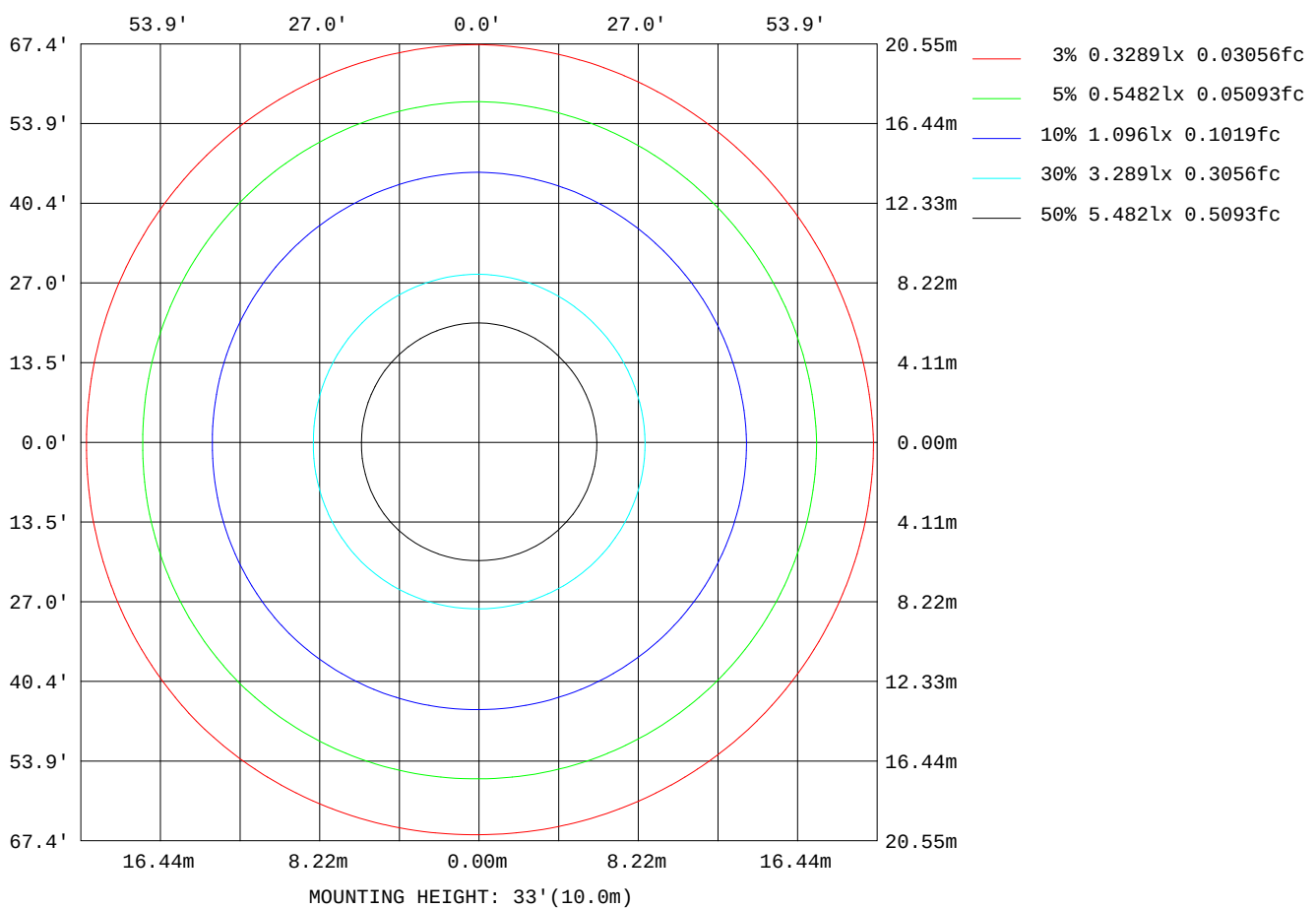
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators: 何俊伟  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
 Humidity: 65.0%  
 Test Distance: 7.540m [K=1.3263]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: 何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 7.540m [K=1.3263]  
Remarks:

## LED Avg.L Report

|                                                                                |                            |                  |
|--------------------------------------------------------------------------------|----------------------------|------------------|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |                            |                  |
| NAME: 17代 白色                                                                   | TYPE:50W 3000K 3.7         | WEIGHT:          |
| SPEC.:                                                                         | DIM.:                      | SERIAL No.:      |
| MFR.: WS                                                                       | SUR.:0.1005*0.03+0.12*0.04 | Shielding Angle: |

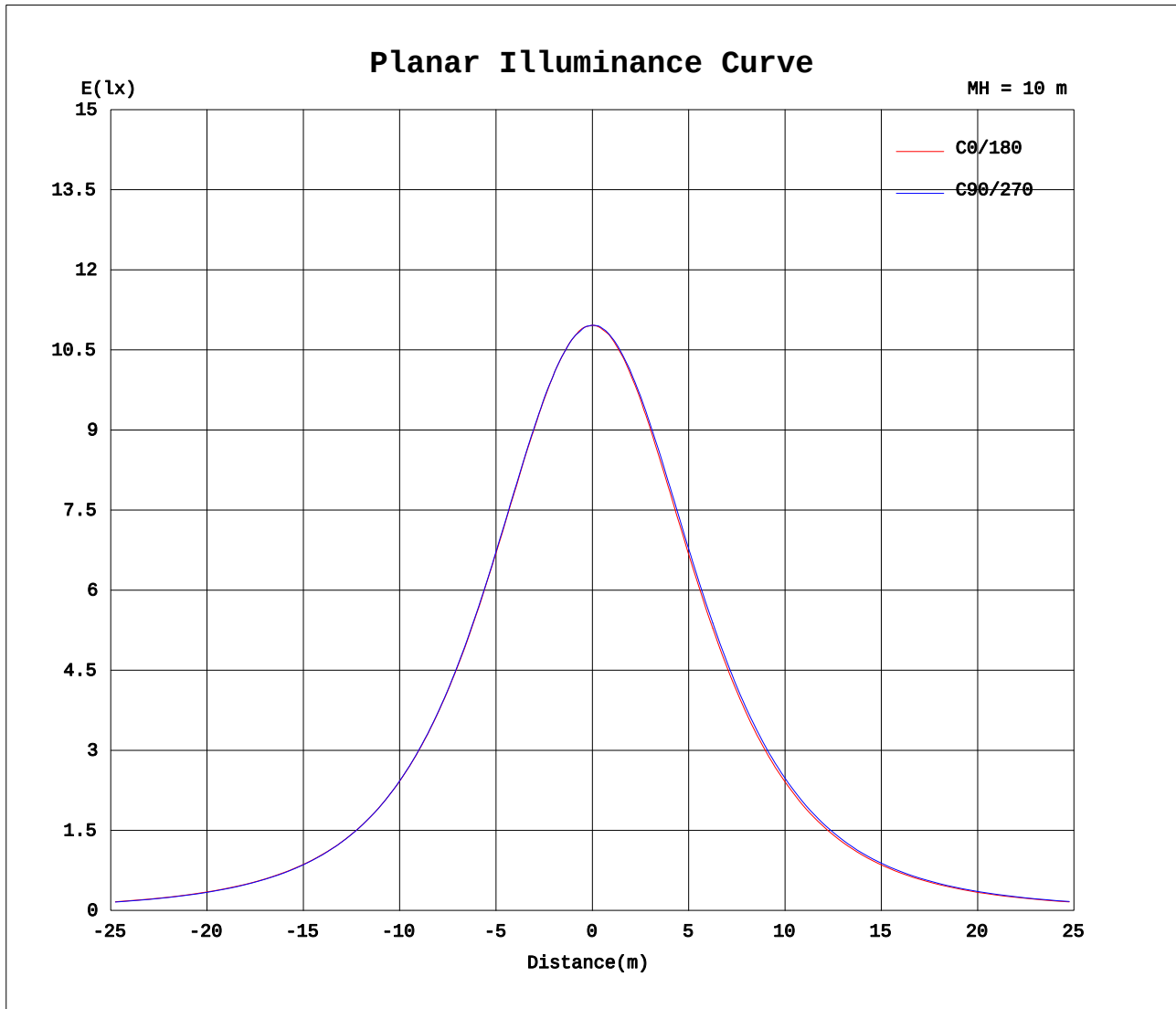
| AvgL           | cd/m2  |
|----------------|--------|
| L_0~180(65)av  | 122084 |
| L_0~180(75)av  | 110356 |
| L_0~180(85)av  | 67750  |
| L_90~270(65)av | 123465 |
| L_90~270(75)av | 110321 |
| L_90~270(85)av | 77518  |
| L_45(65)av     | 122758 |
| L_45(75)av     | 112580 |
| L_45(85)av     | 86010  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: 何俊伟  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 7.540m [K=1.3263]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |  |  |  |  |  |  |  |  |                            |  |  |  |  |                  |  |  |  |  |
|--------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |  |  |  |  |  |  |  |  |                            |  |  |  |  |                  |  |  |  |  |
| NAME: 17代 白色                                                                   |  |  |  |  |  |  |  |  | TYPE:50W 3000K 3.7         |  |  |  |  | WEIGHT:          |  |  |  |  |
| SPEC.:                                                                         |  |  |  |  |  |  |  |  | DIM.:                      |  |  |  |  | SERIAL No.:      |  |  |  |  |
| MFR.: WS                                                                       |  |  |  |  |  |  |  |  | SUR.:0.1005*0.03+0.12*0.04 |  |  |  |  | Shielding Angle: |  |  |  |  |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 |
| 5                 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 |
| 10                | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 | 1072 |
| 15                | 1043 | 1043 | 1043 | 1043 | 1043 | 1043 | 1043 | 1043 | 1043 | 1044 | 1044 | 1044 | 1044 | 1044 | 1044 | 1044 | 1044 | 1044 | 1044 |
| 20                | 1003 | 1003 | 1004 | 1004 | 1004 | 1004 | 1004 | 1005 | 1005 | 1005 | 1005 | 1005 | 1005 | 1005 | 1005 | 1005 | 1005 | 1005 | 1005 |
| 25                | 952  | 953  | 954  | 954  | 955  | 955  | 956  | 956  | 956  | 957  | 957  | 956  | 956  | 956  | 956  | 956  | 956  | 956  | 956  |
| 30                | 895  | 895  | 896  | 896  | 897  | 897  | 898  | 898  | 899  | 899  | 899  | 899  | 899  | 898  | 898  | 898  | 898  | 898  | 899  |
| 35                | 830  | 831  | 831  | 832  | 832  | 832  | 833  | 833  | 833  | 833  | 833  | 833  | 833  | 833  | 833  | 833  | 833  | 833  | 833  |
| 40                | 761  | 761  | 761  | 761  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  | 762  |
| 45                | 685  | 686  | 686  | 686  | 687  | 687  | 687  | 688  | 688  | 688  | 688  | 687  | 687  | 687  | 687  | 687  | 687  | 687  | 687  |
| 50                | 608  | 608  | 608  | 609  | 609  | 609  | 609  | 609  | 609  | 609  | 609  | 609  | 608  | 608  | 608  | 607  | 607  | 607  | 607  |
| 55                | 528  | 528  | 528  | 528  | 528  | 528  | 528  | 528  | 528  | 528  | 527  | 526  | 526  | 525  | 525  | 525  | 525  | 525  | 525  |
| 60                | 446  | 446  | 446  | 445  | 445  | 445  | 445  | 444  | 444  | 444  | 443  | 443  | 442  | 441  | 441  | 441  | 441  | 441  | 441  |
| 65                | 364  | 364  | 363  | 363  | 363  | 362  | 362  | 361  | 361  | 360  | 360  | 359  | 358  | 357  | 357  | 356  | 356  | 356  | 356  |
| 70                | 284  | 284  | 283  | 282  | 282  | 281  | 281  | 280  | 279  | 279  | 278  | 276  | 275  | 275  | 274  | 273  | 273  | 273  | 273  |
| 75                | 204  | 204  | 204  | 203  | 203  | 202  | 202  | 201  | 200  | 200  | 198  | 197  | 196  | 194  | 193  | 192  | 192  | 191  | 191  |
| 80                | 123  | 123  | 123  | 123  | 124  | 123  | 123  | 123  | 123  | 122  | 121  | 120  | 119  | 118  | 117  | 116  | 115  | 115  | 114  |
| 85                | 47.0 | 47.7 | 48.3 | 48.8 | 49.2 | 49.4 | 49.5 | 49.5 | 49.4 | 49.1 | 48.1 | 47.0 | 45.9 | 44.9 | 43.8 | 42.9 | 42.2 | 41.7 | 41.4 |
| 90                | 2.88 | 3.10 | 3.28 | 3.41 | 3.51 | 3.56 | 3.57 | 3.54 | 3.47 | 3.36 | 3.02 | 2.65 | 2.27 | 1.89 | 1.53 | 1.19 | 0.89 | 0.65 | 0.48 |
| 95                | 2.59 | 2.28 | 2.13 | 2.11 | 2.25 | 2.53 | 2.96 | 3.54 | 4.26 | 5.13 | 6.84 | 8.65 | 10.5 | 12.3 | 14.1 | 15.8 | 17.3 | 18.5 | 19.6 |
| 100               | 15.9 | 16.3 | 16.9 | 17.7 | 18.7 | 19.9 | 21.3 | 22.9 | 24.8 | 26.8 | 30.3 | 33.9 | 37.5 | 41.0 | 44.4 | 47.5 | 50.3 | 52.6 | 54.4 |
| 105               | 36.6 | 37.3 | 38.4 | 39.9 | 41.7 | 43.9 | 46.4 | 49.3 | 52.5 | 56.1 | 62.2 | 68.5 | 74.7 | 80.9 | 86.8 | 92.2 | 97.0 | 101  | 104  |
| 110               | 64.1 | 69.9 | 75.8 | 81.6 | 87.5 | 93.5 | 99.5 | 105  | 111  | 118  | 126  | 134  | 141  | 149  | 155  | 161  | 167  | 171  | 174  |
| 115               | 130  | 139  | 148  | 156  | 165  | 173  | 181  | 189  | 196  | 203  | 211  | 219  | 226  | 233  | 239  | 245  | 249  | 253  | 255  |
| 120               | 244  | 252  | 260  | 268  | 275  | 282  | 288  | 295  | 301  | 307  | 313  | 320  | 326  | 331  | 336  | 340  | 344  | 347  | 348  |
| 125               | 382  | 386  | 390  | 394  | 398  | 401  | 405  | 409  | 413  | 416  | 421  | 425  | 429  | 433  | 437  | 440  | 442  | 444  | 446  |
| 130               | 508  | 508  | 508  | 508  | 509  | 509  | 510  | 511  | 512  | 514  | 516  | 518  | 521  | 523  | 526  | 528  | 530  | 531  | 533  |
| 135               | 601  | 599  | 597  | 595  | 594  | 593  | 593  | 592  | 592  | 593  | 594  | 596  | 598  | 600  | 603  | 605  | 607  | 608  | 610  |
| 140               | 666  | 664  | 661  | 659  | 657  | 656  | 655  | 654  | 654  | 654  | 656  | 658  | 660  | 662  | 665  | 667  | 669  | 671  | 672  |
| 145               | 717  | 715  | 714  | 712  | 711  | 710  | 710  | 710  | 709  | 709  | 711  | 712  | 713  | 715  | 716  | 718  | 719  | 720  | 721  |
| 150               | 760  | 760  | 761  | 761  | 761  | 761  | 761  | 761  | 761  | 760  | 760  | 759  | 759  | 758  | 758  | 757  | 756  | 756  | 755  |
| 155               | 796  | 796  | 797  | 797  | 797  | 797  | 797  | 797  | 797  | 797  | 796  | 795  | 795  | 794  | 793  | 792  | 791  | 790  | 790  |
| 160               | 826  | 826  | 826  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  | 825  |
| 165               | 852  | 850  | 849  | 848  | 847  | 846  | 845  | 845  | 844  | 844  | 844  | 844  | 845  | 845  | 846  | 846  | 847  | 847  | 848  |
| 170               | 867  | 866  | 864  | 863  | 862  | 861  | 860  | 859  | 859  | 859  | 859  | 859  | 859  | 860  | 860  | 861  | 861  | 862  | 862  |
| 175               | 871  | 871  | 870  | 870  | 869  | 869  | 869  | 869  | 869  | 868  | 868  | 869  | 869  | 869  | 869  | 869  | 869  | 869  | 870  |
| 180               | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |  |  |  |  |  |  |  |  |                            |  |  |  |  |                  |  |  |  |  |
|--------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |  |  |  |  |  |  |  |  |                            |  |  |  |  |                  |  |  |  |  |
| NAME: 17代 白色                                                                   |  |  |  |  |  |  |  |  | TYPE:50W 3000K 3.7         |  |  |  |  | WEIGHT:          |  |  |  |  |
| SPEC.:                                                                         |  |  |  |  |  |  |  |  | DIM.:                      |  |  |  |  | SERIAL No.:      |  |  |  |  |
| MFR.: WS                                                                       |  |  |  |  |  |  |  |  | SUR.:0.1005*0.03+0.12*0.04 |  |  |  |  | Shielding Angle: |  |  |  |  |

Table--2

UNIT: cd

| C(DEG)<br>γ (DEG) | 95   | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 |
| 5                 | 1090 | 1090 | 1090 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 |
| 10                | 1073 | 1073 | 1073 | 1073 | 1074 | 1074 | 1074 | 1074 | 1075 | 1074 | 1074 | 1074 | 1073 | 1073 | 1072 | 1072 | 1071 | 1071 | 1071 |
| 15                | 1044 | 1045 | 1045 | 1046 | 1046 | 1047 | 1047 | 1047 | 1047 | 1047 | 1046 | 1045 | 1044 | 1044 | 1043 | 1042 | 1041 | 1041 | 1041 |
| 20                | 1006 | 1007 | 1008 | 1009 | 1009 | 1010 | 1011 | 1011 | 1011 | 1010 | 1009 | 1008 | 1006 | 1005 | 1003 | 1002 | 1001 | 1000 | 1000 |
| 25                | 957  | 958  | 959  | 960  | 961  | 962  | 962  | 963  | 963  | 962  | 961  | 959  | 958  | 956  | 954  | 953  | 952  | 951  | 951  |
| 30                | 900  | 901  | 902  | 903  | 904  | 905  | 906  | 907  | 907  | 906  | 904  | 902  | 901  | 899  | 897  | 895  | 894  | 892  | 893  |
| 35                | 834  | 836  | 837  | 838  | 839  | 840  | 841  | 842  | 842  | 841  | 839  | 838  | 836  | 834  | 832  | 830  | 829  | 827  | 828  |
| 40                | 764  | 765  | 766  | 768  | 769  | 770  | 771  | 771  | 772  | 770  | 769  | 767  | 765  | 763  | 761  | 759  | 757  | 756  | 756  |
| 45                | 688  | 689  | 691  | 692  | 694  | 695  | 696  | 697  | 697  | 696  | 695  | 693  | 691  | 689  | 687  | 685  | 684  | 682  | 683  |
| 50                | 609  | 610  | 612  | 613  | 614  | 616  | 617  | 618  | 619  | 617  | 616  | 614  | 612  | 610  | 608  | 607  | 605  | 604  | 604  |
| 55                | 526  | 528  | 530  | 531  | 533  | 535  | 536  | 537  | 538  | 537  | 535  | 534  | 532  | 530  | 528  | 526  | 524  | 523  | 523  |
| 60                | 442  | 444  | 446  | 447  | 449  | 451  | 452  | 454  | 454  | 453  | 452  | 450  | 449  | 447  | 445  | 444  | 442  | 441  | 441  |
| 65                | 358  | 360  | 362  | 364  | 366  | 368  | 369  | 371  | 372  | 371  | 370  | 368  | 367  | 365  | 363  | 361  | 360  | 358  | 359  |
| 70                | 274  | 277  | 279  | 281  | 283  | 286  | 288  | 289  | 291  | 290  | 289  | 287  | 285  | 284  | 282  | 280  | 278  | 277  | 277  |
| 75                | 193  | 196  | 199  | 201  | 204  | 207  | 209  | 211  | 213  | 212  | 210  | 208  | 206  | 204  | 202  | 199  | 197  | 195  | 196  |
| 80                | 116  | 119  | 121  | 124  | 126  | 129  | 131  | 133  | 134  | 132  | 130  | 127  | 124  | 121  | 119  | 116  | 114  | 112  | 113  |
| 85                | 43.2 | 45.2 | 47.3 | 49.5 | 51.6 | 53.6 | 55.4 | 56.9 | 58.0 | 55.9 | 53.5 | 50.8 | 48.0 | 45.2 | 42.4 | 39.8 | 37.5 | 35.7 | 37.1 |
| 90                | 0.84 | 1.25 | 1.71 | 2.20 | 2.70 | 3.19 | 3.65 | 4.07 | 4.42 | 4.21 | 3.94 | 3.62 | 3.26 | 2.89 | 2.51 | 2.15 | 1.81 | 1.53 | 1.74 |
| 95                | 18.9 | 18.1 | 16.9 | 15.6 | 14.2 | 12.6 | 11.0 | 9.36 | 7.76 | 6.80 | 5.91 | 5.10 | 4.37 | 3.73 | 3.17 | 2.69 | 2.30 | 2.00 | 1.85 |
| 100               | 53.4 | 51.8 | 49.7 | 47.2 | 44.4 | 41.4 | 38.1 | 34.8 | 31.4 | 28.6 | 25.9 | 23.3 | 20.8 | 18.6 | 16.6 | 14.9 | 13.5 | 12.4 | 12.9 |
| 105               | 102  | 99.3 | 95.6 | 91.2 | 86.3 | 81.0 | 75.4 | 69.7 | 64.0 | 59.7 | 55.6 | 51.7 | 48.2 | 44.9 | 42.0 | 39.5 | 37.5 | 36.0 | 36.0 |
| 110               | 172  | 168  | 164  | 159  | 153  | 146  | 139  | 131  | 123  | 114  | 106  | 96.9 | 88.6 | 80.8 | 73.7 | 67.5 | 62.4 | 58.5 | 60.7 |
| 115               | 254  | 251  | 248  | 243  | 238  | 232  | 225  | 217  | 208  | 197  | 184  | 172  | 160  | 149  | 138  | 129  | 122  | 116  | 120  |
| 120               | 348  | 346  | 344  | 340  | 336  | 331  | 325  | 319  | 311  | 300  | 288  | 276  | 264  | 253  | 243  | 234  | 226  | 220  | 224  |
| 125               | 445  | 444  | 442  | 440  | 437  | 433  | 429  | 424  | 418  | 410  | 401  | 392  | 383  | 374  | 366  | 359  | 353  | 348  | 351  |
| 130               | 532  | 532  | 531  | 530  | 528  | 526  | 523  | 520  | 517  | 512  | 507  | 501  | 496  | 491  | 486  | 481  | 477  | 474  | 475  |
| 135               | 609  | 609  | 608  | 607  | 605  | 603  | 601  | 599  | 597  | 594  | 592  | 589  | 586  | 583  | 581  | 578  | 576  | 574  | 574  |
| 140               | 671  | 670  | 668  | 667  | 664  | 662  | 660  | 658  | 656  | 654  | 653  | 652  | 651  | 650  | 649  | 648  | 647  | 647  | 646  |
| 145               | 720  | 719  | 717  | 716  | 714  | 712  | 710  | 708  | 706  | 705  | 704  | 704  | 703  | 703  | 702  | 702  | 701  | 701  | 701  |
| 150               | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 755  | 754  | 754  | 753  | 752  | 751  | 750  | 749  | 749  | 748  | 747  | 747  |
| 155               | 790  | 790  | 791  | 791  | 792  | 792  | 793  | 793  | 793  | 793  | 792  | 791  | 790  | 789  | 788  | 787  | 787  | 786  | 786  |
| 160               | 824  | 824  | 824  | 823  | 823  | 822  | 822  | 821  | 821  | 820  | 820  | 819  | 818  | 818  | 817  | 817  | 817  | 816  | 816  |
| 165               | 847  | 847  | 846  | 845  | 845  | 844  | 843  | 842  | 841  | 841  | 841  | 841  | 840  | 840  | 840  | 840  | 840  | 840  | 840  |
| 170               | 862  | 861  | 861  | 860  | 860  | 859  | 859  | 858  | 858  | 858  | 858  | 859  | 859  | 859  | 860  | 860  | 860  | 860  | 860  |
| 175               | 869  | 869  | 869  | 869  | 869  | 869  | 869  | 869  | 869  | 869  | 869  | 870  | 870  | 870  | 870  | 871  | 871  | 871  | 871  |
| 180               | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:何俊伟  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
γ Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.3263]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |                  |  |  |  |  |
|--------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|------------------|--|--|--|--|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |                  |  |  |  |  |
| NAME: 17代 白色                                                                   |  |  |  |  |  |  |  |  |  | TYPE:50W 3000K 3.7         |  |  |  |  | WEIGHT:          |  |  |  |  |
| SPEC.:                                                                         |  |  |  |  |  |  |  |  |  | DIM.:                      |  |  |  |  | SERIAL No.:      |  |  |  |  |
| MFR.: WS                                                                       |  |  |  |  |  |  |  |  |  | SUR.:0.1005*0.03+0.12*0.04 |  |  |  |  | Shielding Angle: |  |  |  |  |

Table--3

UNIT: cd

| C(DEG)<br>γ (DEG) | 190  | 195  | 200  | 205  | 210  | 215  | 220  | 225  | 230  | 235  | 240  | 245  | 250  | 255  | 260  | 265  | 270  | 275  | 280  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 |
| 5                 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1091 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1091 | 1091 |
| 10                | 1071 | 1072 | 1072 | 1072 | 1072 | 1073 | 1073 | 1073 | 1074 | 1074 | 1074 | 1075 | 1075 | 1075 | 1075 | 1075 | 1075 | 1074 | 1074 |
| 15                | 1041 | 1041 | 1041 | 1041 | 1042 | 1042 | 1043 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1048 | 1049 | 1049 | 1049 | 1048 | 1047 |
| 20                | 1000 | 1001 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1011 | 1012 | 1012 | 1012 | 1011 | 1009 |
| 25                | 952  | 952  | 953  | 954  | 955  | 957  | 958  | 959  | 960  | 961  | 962  | 962  | 963  | 963  | 964  | 964  | 964  | 962  | 961  |
| 30                | 893  | 894  | 895  | 896  | 898  | 899  | 900  | 902  | 903  | 904  | 905  | 906  | 907  | 907  | 908  | 908  | 908  | 906  | 904  |
| 35                | 828  | 829  | 830  | 831  | 833  | 834  | 835  | 837  | 838  | 840  | 841  | 842  | 843  | 844  | 845  | 845  | 845  | 843  | 841  |
| 40                | 757  | 758  | 759  | 761  | 762  | 764  | 766  | 767  | 769  | 770  | 772  | 773  | 774  | 775  | 775  | 776  | 776  | 773  | 771  |
| 45                | 683  | 684  | 685  | 687  | 688  | 690  | 691  | 693  | 694  | 696  | 697  | 699  | 700  | 701  | 701  | 702  | 701  | 699  | 697  |
| 50                | 605  | 606  | 607  | 608  | 610  | 611  | 613  | 615  | 616  | 618  | 619  | 620  | 621  | 622  | 623  | 623  | 623  | 620  | 618  |
| 55                | 524  | 525  | 526  | 527  | 528  | 530  | 532  | 533  | 535  | 536  | 538  | 539  | 540  | 541  | 541  | 541  | 541  | 539  | 536  |
| 60                | 442  | 443  | 444  | 445  | 446  | 448  | 449  | 450  | 452  | 453  | 455  | 456  | 457  | 458  | 458  | 458  | 458  | 456  | 453  |
| 65                | 359  | 360  | 361  | 362  | 363  | 365  | 366  | 367  | 369  | 370  | 371  | 372  | 373  | 374  | 374  | 375  | 374  | 372  | 370  |
| 70                | 278  | 279  | 280  | 281  | 282  | 284  | 285  | 286  | 287  | 288  | 289  | 290  | 290  | 291  | 291  | 291  | 291  | 289  | 287  |
| 75                | 197  | 198  | 199  | 201  | 203  | 204  | 206  | 207  | 208  | 209  | 209  | 209  | 210  | 210  | 209  | 209  | 209  | 207  | 206  |
| 80                | 115  | 117  | 119  | 122  | 124  | 127  | 129  | 131  | 132  | 132  | 132  | 132  | 131  | 131  | 130  | 129  | 128  | 127  | 126  |
| 85                | 38.9 | 41.1 | 43.5 | 46.1 | 48.8 | 51.5 | 54.0 | 56.3 | 56.8 | 57.0 | 57.0 | 56.7 | 56.3 | 55.7 | 54.9 | 54.1 | 53.2 | 52.4 | 51.6 |
| 90                | 2.00 | 2.29 | 2.60 | 2.91 | 3.21 | 3.49 | 3.72 | 3.90 | 3.57 | 3.19 | 2.77 | 2.32 | 1.88 | 1.44 | 1.04 | 0.68 | 0.38 | 0.58 | 0.84 |
| 95                | 1.79 | 1.82 | 1.93 | 2.13 | 2.40 | 2.76 | 3.19 | 3.70 | 4.63 | 5.61 | 6.61 | 7.58 | 8.52 | 9.38 | 10.1 | 10.8 | 11.2 | 10.7 | 10.1 |
| 100               | 13.6 | 14.7 | 16.1 | 17.7 | 19.4 | 21.3 | 23.4 | 25.4 | 27.6 | 29.8 | 31.9 | 33.8 | 35.6 | 37.2 | 38.5 | 39.5 | 40.2 | 39.0 | 37.5 |
| 105               | 36.6 | 37.7 | 39.1 | 41.0 | 43.2 | 45.6 | 48.4 | 51.3 | 55.4 | 59.5 | 63.6 | 67.6 | 71.3 | 74.6 | 77.5 | 79.7 | 81.3 | 79.0 | 76.0 |
| 110               | 64.2 | 68.8 | 74.2 | 80.3 | 86.8 | 93.7 | 101  | 108  | 113  | 117  | 122  | 126  | 129  | 132  | 134  | 136  | 137  | 135  | 133  |
| 115               | 126  | 133  | 141  | 151  | 161  | 171  | 181  | 190  | 195  | 199  | 202  | 205  | 207  | 208  | 209  | 209  | 209  | 209  | 208  |
| 120               | 229  | 237  | 245  | 254  | 263  | 273  | 282  | 291  | 294  | 296  | 298  | 299  | 299  | 299  | 299  | 298  | 297  | 298  | 298  |
| 125               | 355  | 361  | 367  | 373  | 380  | 387  | 393  | 399  | 400  | 400  | 399  | 398  | 397  | 395  | 393  | 392  | 390  | 392  | 394  |
| 130               | 477  | 479  | 481  | 484  | 487  | 490  | 493  | 495  | 495  | 494  | 494  | 493  | 492  | 491  | 490  | 489  | 488  | 489  | 490  |
| 135               | 574  | 575  | 575  | 576  | 577  | 577  | 578  | 579  | 578  | 577  | 576  | 575  | 574  | 573  | 572  | 571  | 570  | 571  | 571  |
| 140               | 646  | 646  | 645  | 645  | 645  | 645  | 645  | 644  | 644  | 643  | 643  | 642  | 642  | 641  | 641  | 641  | 641  | 641  | 642  |
| 145               | 701  | 700  | 700  | 700  | 700  | 700  | 699  | 699  | 699  | 698  | 697  | 697  | 696  | 696  | 696  | 696  | 696  | 696  | 697  |
| 150               | 747  | 747  | 747  | 747  | 747  | 747  | 747  | 747  | 747  | 747  | 748  | 748  | 748  | 748  | 748  | 748  | 748  | 748  | 748  |
| 155               | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 786  | 787  |
| 160               | 816  | 816  | 816  | 816  | 816  | 817  | 817  | 817  | 817  | 817  | 817  | 817  | 816  | 816  | 817  | 817  | 817  | 817  | 818  |
| 165               | 839  | 839  | 839  | 839  | 839  | 839  | 839  | 839  | 839  | 839  | 839  | 840  | 840  | 840  | 840  | 841  | 841  | 841  | 842  |
| 170               | 859  | 858  | 858  | 857  | 856  | 856  | 855  | 855  | 855  | 855  | 855  | 855  | 855  | 855  | 855  | 856  | 856  | 856  | 857  |
| 175               | 871  | 870  | 870  | 870  | 869  | 869  | 869  | 869  | 868  | 868  | 868  | 868  | 868  | 868  | 868  | 867  | 867  | 868  | 868  |
| 180               | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:何俊伟  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.3263]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |                  |  |  |
|--------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|--|------------------|--|--|
| Test:U:119.9V I:0.3970A P:47.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5195.28x1 lm |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |                  |  |  |
| NAME: 17代 白色                                                                   |  |  |  |  |  |  |  |  | TYPE:50W 3000K 3.7         |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.:                                                                         |  |  |  |  |  |  |  |  | DIM.:                      |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.: WS                                                                       |  |  |  |  |  |  |  |  | SUR.:0.1005*0.03+0.12*0.04 |  |  |  |  |  | Shielding Angle: |  |  |

Table--4

UNIT: cd

| C(DEG)<br>γ (DEG) | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335  | 340  | 345  | 350  | 355  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0                 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 | 1096 |  |  |  |  |
| 5                 | 1090 | 1090 | 1089 | 1089 | 1088 | 1088 | 1087 | 1087 | 1087 | 1087 | 1087 | 1088 | 1088 | 1089 | 1089 |  |  |  |  |
| 10                | 1073 | 1072 | 1071 | 1070 | 1069 | 1069 | 1068 | 1068 | 1068 | 1068 | 1068 | 1069 | 1069 | 1070 | 1071 |  |  |  |  |
| 15                | 1046 | 1044 | 1043 | 1042 | 1040 | 1039 | 1038 | 1038 | 1038 | 1038 | 1038 | 1039 | 1039 | 1040 | 1041 |  |  |  |  |
| 20                | 1008 | 1006 | 1004 | 1003 | 1001 | 1000 | 998  | 998  | 998  | 998  | 998  | 999  | 999  | 1000 | 1002 |  |  |  |  |
| 25                | 959  | 957  | 955  | 954  | 952  | 950  | 949  | 948  | 948  | 948  | 948  | 948  | 949  | 950  | 951  |  |  |  |  |
| 30                | 902  | 900  | 898  | 895  | 893  | 891  | 889  | 889  | 889  | 889  | 889  | 889  | 890  | 891  | 893  |  |  |  |  |
| 35                | 838  | 836  | 833  | 831  | 828  | 826  | 824  | 823  | 823  | 823  | 823  | 824  | 825  | 826  | 828  |  |  |  |  |
| 40                | 768  | 766  | 763  | 760  | 757  | 755  | 753  | 752  | 752  | 752  | 752  | 753  | 755  | 756  | 758  |  |  |  |  |
| 45                | 694  | 691  | 688  | 685  | 682  | 679  | 677  | 676  | 676  | 676  | 677  | 678  | 679  | 681  | 683  |  |  |  |  |
| 50                | 615  | 612  | 609  | 606  | 603  | 601  | 599  | 598  | 598  | 598  | 599  | 600  | 601  | 603  | 605  |  |  |  |  |
| 55                | 533  | 530  | 527  | 524  | 522  | 519  | 517  | 516  | 516  | 517  | 517  | 519  | 520  | 522  | 525  |  |  |  |  |
| 60                | 450  | 447  | 444  | 441  | 439  | 436  | 434  | 434  | 434  | 434  | 435  | 436  | 438  | 440  | 443  |  |  |  |  |
| 65                | 367  | 365  | 362  | 359  | 357  | 354  | 352  | 352  | 352  | 353  | 353  | 355  | 356  | 359  | 361  |  |  |  |  |
| 70                | 285  | 282  | 280  | 278  | 276  | 274  | 272  | 272  | 272  | 273  | 274  | 275  | 277  | 279  | 281  |  |  |  |  |
| 75                | 204  | 202  | 201  | 199  | 198  | 197  | 196  | 196  | 196  | 196  | 197  | 198  | 199  | 201  | 202  |  |  |  |  |
| 80                | 125  | 124  | 124  | 123  | 122  | 121  | 120  | 120  | 120  | 120  | 120  | 120  | 121  | 121  | 122  |  |  |  |  |
| 85                | 50.8 | 50.0 | 49.2 | 48.4 | 47.7 | 47.0 | 46.4 | 46.1 | 45.9 | 45.8 | 45.8 | 45.8 | 46.0 | 46.2 | 46.6 |  |  |  |  |
| 90                | 1.16 | 1.51 | 1.89 | 2.28 | 2.67 | 3.04 | 3.38 | 3.50 | 3.57 | 3.60 | 3.59 | 3.54 | 3.44 | 3.29 | 3.11 |  |  |  |  |
| 95                | 9.26 | 8.37 | 7.41 | 6.41 | 5.40 | 4.42 | 3.49 | 3.05 | 2.70 | 2.43 | 2.25 | 2.15 | 2.13 | 2.20 | 2.35 |  |  |  |  |
| 100               | 35.7 | 33.7 | 31.6 | 29.3 | 27.0 | 24.7 | 22.5 | 21.2 | 20.0 | 19.0 | 18.2 | 17.5 | 16.9 | 16.4 | 16.1 |  |  |  |  |
| 105               | 72.4 | 68.4 | 64.1 | 59.6 | 55.0 | 50.6 | 46.3 | 43.9 | 41.9 | 40.2 | 38.8 | 37.7 | 37.0 | 36.5 | 36.4 |  |  |  |  |
| 110               | 130  | 127  | 123  | 118  | 114  | 109  | 104  | 99.9 | 95.7 | 91.4 | 87.1 | 82.7 | 78.2 | 73.6 | 68.9 |  |  |  |  |
| 115               | 206  | 205  | 202  | 199  | 196  | 192  | 188  | 183  | 178  | 173  | 167  | 160  | 153  | 146  | 138  |  |  |  |  |
| 120               | 299  | 299  | 299  | 298  | 297  | 296  | 294  | 290  | 287  | 282  | 277  | 272  | 266  | 259  | 252  |  |  |  |  |
| 125               | 395  | 397  | 399  | 400  | 402  | 403  | 404  | 403  | 402  | 400  | 398  | 396  | 393  | 390  | 386  |  |  |  |  |
| 130               | 492  | 493  | 495  | 496  | 498  | 500  | 501  | 503  | 503  | 504  | 505  | 506  | 507  | 507  | 508  |  |  |  |  |
| 135               | 572  | 572  | 573  | 574  | 576  | 577  | 579  | 581  | 583  | 585  | 587  | 589  | 592  | 595  | 598  |  |  |  |  |
| 140               | 643  | 643  | 644  | 646  | 647  | 648  | 650  | 651  | 653  | 654  | 656  | 658  | 660  | 662  | 664  |  |  |  |  |
| 145               | 698  | 699  | 700  | 702  | 703  | 704  | 706  | 707  | 708  | 709  | 710  | 712  | 713  | 714  | 716  |  |  |  |  |
| 150               | 748  | 748  | 748  | 749  | 749  | 749  | 750  | 750  | 751  | 752  | 753  | 754  | 756  | 757  | 758  |  |  |  |  |
| 155               | 787  | 787  | 788  | 788  | 788  | 789  | 789  | 790  | 790  | 791  | 792  | 792  | 793  | 794  | 795  |  |  |  |  |
| 160               | 818  | 819  | 820  | 821  | 821  | 822  | 823  | 823  | 824  | 824  | 824  | 825  | 825  | 826  | 826  |  |  |  |  |
| 165               | 842  | 842  | 843  | 843  | 844  | 844  | 845  | 845  | 846  | 847  | 847  | 848  | 849  | 850  | 851  |  |  |  |  |
| 170               | 857  | 857  | 857  | 858  | 858  | 859  | 859  | 860  | 860  | 861  | 862  | 863  | 864  | 865  | 866  |  |  |  |  |
| 175               | 868  | 868  | 868  | 869  | 869  | 869  | 869  | 870  | 870  | 870  | 870  | 870  | 870  | 871  | 871  |  |  |  |  |
| 180               | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  | 870  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:何俊伟  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.3263]  
 Remarks: