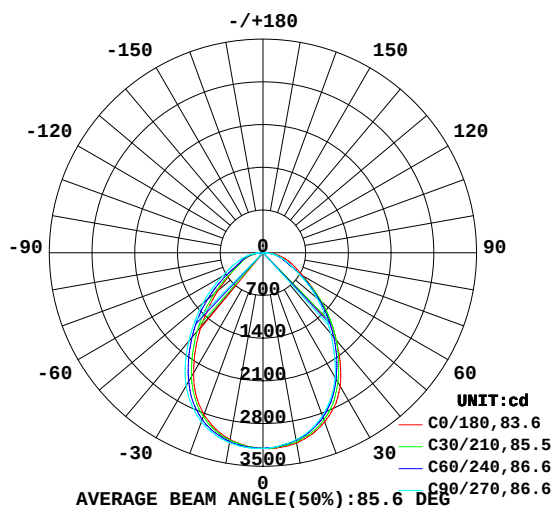


## LUMINAIRE PHOTOMETRIC TEST REPORT

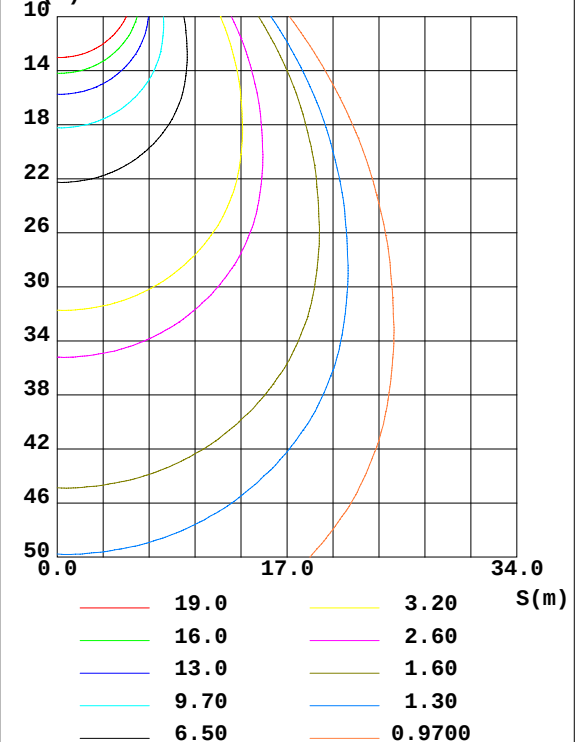
|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 118.31 lm/W |        |                    |           |
|------------------|---------|-----------------------------------|--------|--------------------|-----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 3211   | S/MH(C0/180)       | 1.09      |
| NOMINAL POWER(W) | 60      | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.17      |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 6530.5 | η UP, DN(C0-180)   | 0.1, 49.9 |
| NOMINAL FLUX(lm) | 6530.53 | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.1, 49.9 |
| LAMPS INSIDE     | 1       | η up(%)                           | 0.2    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 219.7   | η down(%)                         | 99.8   | CIBSE SHR MAX      | 1.25      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:50.0%  
 Test Distance:6.770m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

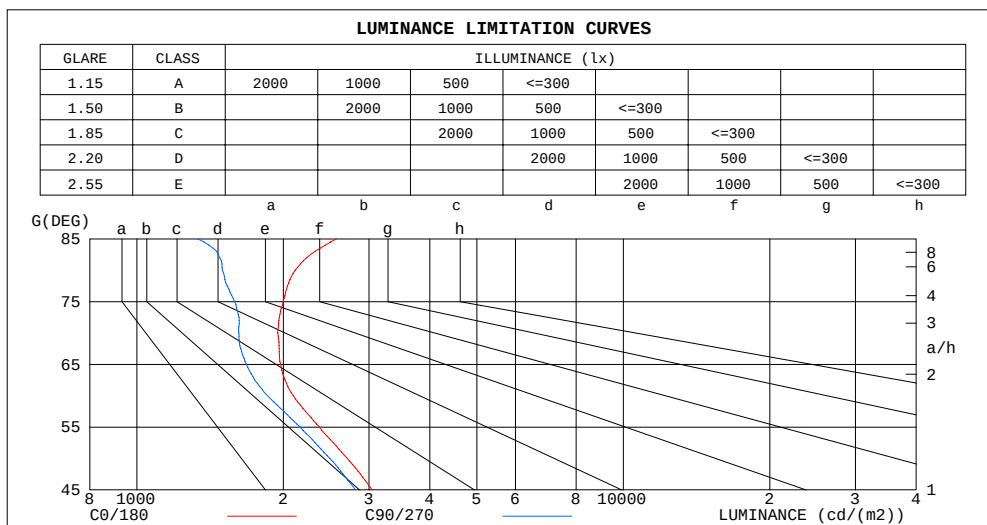
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 3163                  | 3134   | 3110   | 3117   | 3109   | 3133   | 3161   | 3156   | 0- 10    | 302.6       | 302.6        | 4.63, 4.63 |
| 20       | 2952                  | 2894   | 2847   | 2853   | 2823   | 2883   | 2948   | 2932   | 10- 20   | 855.4       | 1158         | 17.7, 17.7 |
| 30       | 2531                  | 2425   | 2363   | 2336   | 2274   | 2391   | 2519   | 2469   | 20- 30   | 1230        | 2388         | 36.6, 36.6 |
| 40       | 1862                  | 1836   | 1727   | 1696   | 1577   | 1745   | 1889   | 1860   | 30- 40   | 1308        | 3695         | 56.6, 56.6 |
| 50       | 1247                  | 1230   | 1156   | 1059   | 951.6  | 1113   | 1285   | 1255   | 40- 50   | 1129        | 4824         | 73.9, 73.9 |
| 60       | 751.2                 | 687.1  | 669.3  | 545.9  | 553.5  | 581.9  | 761.5  | 701.3  | 50- 60   | 793.5       | 5618         | 86, 86     |
| 70       | 477.4                 | 376.2  | 399.9  | 342.0  | 347.0  | 351.3  | 448.0  | 388.4  | 60- 70   | 489.7       | 6107         | 93.5, 93.5 |
| 80       | 263.3                 | 212.6  | 187.8  | 166.3  | 154.0  | 181.2  | 231.4  | 219.0  | 70- 80   | 308.8       | 6416         | 98.3, 98.3 |
| 90       | 39.43                 | 8.927  | 0.3276 | 0.3144 | 0.3882 | 0.3883 | 11.34  | 10.19  | 80- 90   | 103.7       | 6520         | 99.8, 99.8 |
| 100      | 0.4159                | 0.6699 | 0.7797 | 0.7841 | 0.7593 | 0.7584 | 0.7733 | 0.5818 | 90-100   | 1.148       | 6521         | 99.9, 99.9 |
| 110      | 0.8134                | 1.432  | 1.084  | 1.650  | 0.8950 | 1.529  | 0.8786 | 1.368  | 100-110  | 1.008       | 6522         | 99.9, 99.9 |
| 120      | 1.274                 | 2.145  | 1.274  | 2.275  | 1.555  | 2.176  | 0.9857 | 2.093  | 110-120  | 1.569       | 6524         | 99.9, 99.9 |
| 130      | 1.810                 | 2.538  | 1.478  | 2.803  | 2.280  | 2.347  | 0.9422 | 2.175  | 120-130  | 1.855       | 6526         | 99.9, 99.9 |
| 140      | 2.305                 | 2.782  | 1.584  | 2.910  | 2.201  | 2.697  | 1.004  | 2.303  | 130-140  | 1.774       | 6527         | 100, 100   |
| 150      | 2.315                 | 2.810  | 1.616  | 2.552  | 2.642  | 2.294  | 1.235  | 1.703  | 140-150  | 1.466       | 6529         | 100, 100   |
| 160      | 2.652                 | 2.396  | 1.656  | 1.876  | 2.192  | 1.775  | 1.612  | 1.827  | 150-160  | 0.9804      | 6530         | 100, 100   |
| 170      | 2.332                 | 2.219  | 1.671  | 1.600  | 1.550  | 1.564  | 1.641  | 2.071  | 160-170  | 0.5374      | 6530         | 100, 100   |
| 180      | 1.569                 | 1.626  | 1.572  | 1.549  | 1.583  | 1.625  | 1.570  | 1.549  | 170-180  | 0.1674      | 6531         | 100, 100   |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT: lm    |              |            |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity: 50.0%  
 Test Distance: 6.770m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 2572   | 1333    |
| 80                | 2116   | 1499    |
| 75                | 1999   | 1588    |
| 70                | 1948   | 1621    |
| 65                | 1974   | 1679    |
| 60                | 2097   | 1856    |
| 55                | 2371   | 2164    |
| 50                | 2708   | 2493    |
| 45                | 3049   | 2816    |

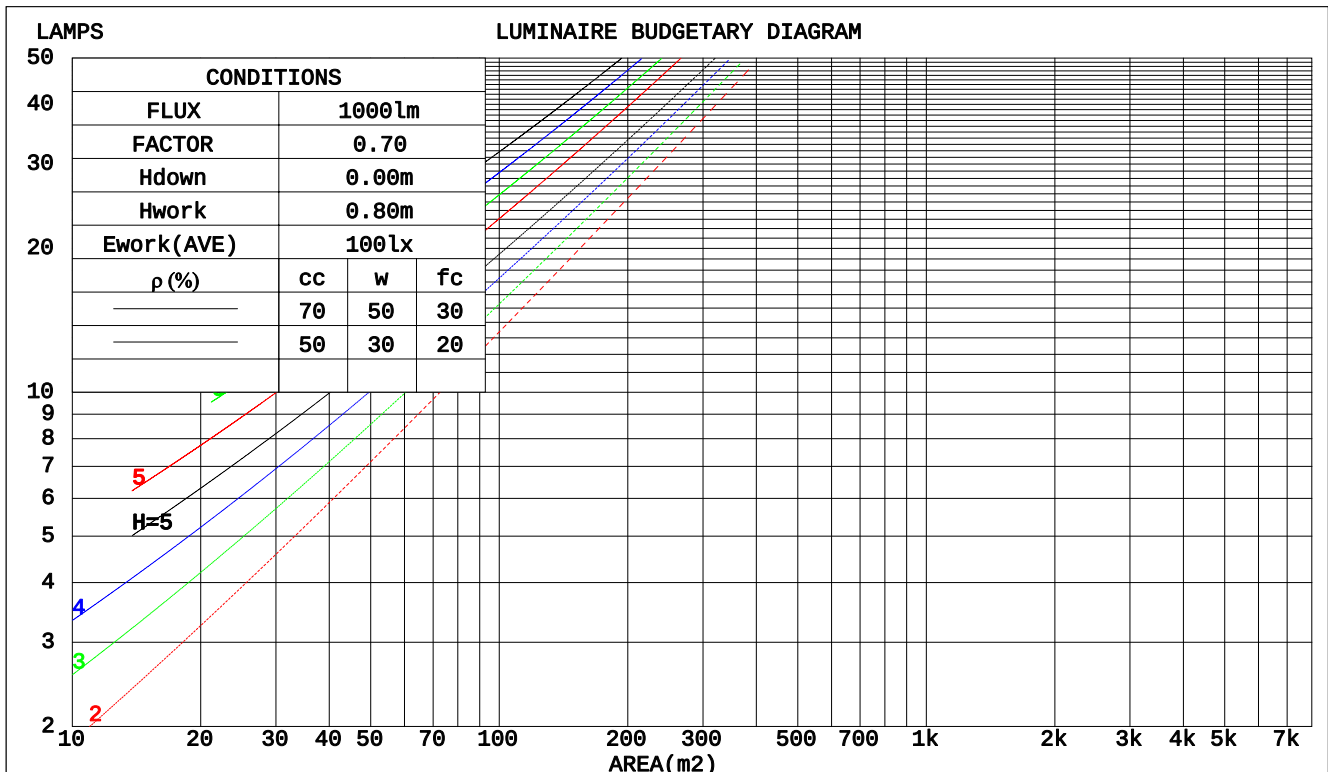
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-05

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
Humidity:50.0%  
Test Distance:6.770m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | 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         | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0         | 1.06                  | 1.02 | .98  | 1.03 | 1.00 | .97  | .99                             | .96  | .94  | .95  | .93  | .91  | .92  | .90  | .88  | .86 |
| 2.0         | .94                   | .88  | .83  | .92  | .86  | .82  | .89                             | .84  | .80  | .85  | .81  | .78  | .82  | .79  | .76  | .74 |
| 3.0         | .84                   | .77  | .71  | .82  | .76  | .70  | .79                             | .74  | .69  | .77  | .72  | .68  | .74  | .70  | .67  | .64 |
| 4.0         | .75                   | .67  | .61  | .74  | .67  | .61  | .72                             | .65  | .60  | .69  | .64  | .59  | .67  | .63  | .59  | .57 |
| 5.0         | .68                   | .60  | .54  | .67  | .59  | .54  | .65                             | .58  | .53  | .63  | .57  | .53  | .61  | .56  | .52  | .50 |
| 6.0         | .62                   | .54  | .48  | .61  | .53  | .48  | .59                             | .53  | .47  | .58  | .52  | .47  | .56  | .51  | .47  | .45 |
| 7.0         | .57                   | .49  | .43  | .56  | .48  | .43  | .55                             | .48  | .43  | .53  | .47  | .42  | .52  | .46  | .42  | .40 |
| 8.0         | .52                   | .44  | .39  | .52  | .44  | .39  | .50                             | .43  | .39  | .49  | .43  | .38  | .48  | .42  | .38  | .36 |
| 9.0         | .48                   | .41  | .35  | .48  | .40  | .35  | .47                             | .40  | .35  | .46  | .39  | .35  | .45  | .39  | .35  | .33 |
| 10.0        | .45                   | .37  | .32  | .44  | .37  | .32  | .43                             | .37  | .32  | .42  | .36  | .32  | .42  | .36  | .32  | .30 |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
Humidity: 50.0%  
Test Distance: 6.770m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                  |  |  |              |  |                  |
|----------------------------------------------------------------------------------|--|--|--------------|--|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |  |  |              |  |                  |
| NAME: WL-RTST460D(4000K)                                                         |  |  | TYPE:        |  | WEIGHT:          |
| SPEC.:                                                                           |  |  | DIM.:        |  | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             |  |  | SUR.:1.2*0.6 |  | 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         | .274                  | .156 | .049 | .267 | .152 | .048 | .254                            | .145 | .046 | .241 | .139 | .045 | .230 | .133 | .043 |   |
| 2.0         | .258                  | .142 | .043 | .252 | .139 | .043 | .241                            | .134 | .042 | .230 | .129 | .040 | .220 | .125 | .039 |   |
| 3.0         | .241                  | .128 | .038 | .235 | .126 | .038 | .225                            | .122 | .037 | .216 | .118 | .036 | .207 | .115 | .036 |   |
| 4.0         | .224                  | .116 | .034 | .219 | .115 | .034 | .211                            | .112 | .033 | .202 | .109 | .033 | .195 | .106 | .032 |   |
| 5.0         | .209                  | .106 | .031 | .205 | .105 | .031 | .197                            | .103 | .030 | .190 | .100 | .030 | .183 | .098 | .029 |   |
| 6.0         | .195                  | .098 | .028 | .192 | .097 | .028 | .185                            | .095 | .028 | .178 | .093 | .027 | .172 | .091 | .027 |   |
| 7.0         | .183                  | .091 | .026 | .180 | .090 | .026 | .174                            | .088 | .025 | .168 | .086 | .025 | .162 | .084 | .025 |   |
| 8.0         | .172                  | .084 | .024 | .169 | .083 | .024 | .164                            | .082 | .023 | .158 | .080 | .023 | .153 | .079 | .023 |   |
| 9.0         | .162                  | .078 | .022 | .160 | .078 | .022 | .155                            | .076 | .022 | .150 | .075 | .021 | .145 | .074 | .021 |   |
| 10.0        | .153                  | .073 | .020 | .151 | .073 | .020 | .146                            | .072 | .020 | .142 | .071 | .020 | .138 | .069 | .020 |   |

| 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  | .192                  | .192 | .192 | .164 | .164 | .164 | .112                                       | .112 | .112 | .064 | .064 | .064 | .021 | .021 | .021 |   |
| 1.0  | .179                  | .158 | .138 | .153 | .135 | .119 | .105                                       | .093 | .082 | .060 | .054 | .048 | .019 | .017 | .015 |   |
| 2.0  | .169                  | .133 | .103 | .145 | .115 | .089 | .099                                       | .079 | .062 | .057 | .046 | .037 | .018 | .015 | .012 |   |
| 3.0  | .160                  | .115 | .080 | .137 | .100 | .069 | .094                                       | .069 | .048 | .054 | .040 | .029 | .017 | .013 | .009 |   |
| 4.0  | .152                  | .102 | .063 | .130 | .088 | .055 | .090                                       | .061 | .039 | .052 | .036 | .023 | .017 | .012 | .008 |   |
| 5.0  | .144                  | .091 | .052 | .124 | .079 | .045 | .085                                       | .055 | .032 | .049 | .032 | .019 | .016 | .011 | .006 |   |
| 6.0  | .137                  | .082 | .043 | .118 | .071 | .037 | .081                                       | .050 | .027 | .047 | .029 | .016 | .015 | .010 | .005 |   |
| 7.0  | .131                  | .075 | .037 | .112 | .065 | .032 | .078                                       | .046 | .023 | .045 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .125                  | .070 | .032 | .107 | .060 | .028 | .074                                       | .042 | .020 | .043 | .025 | .012 | .014 | .008 | .004 |   |
| 9.0  | .119                  | .065 | .028 | .102 | .056 | .024 | .071                                       | .039 | .017 | .041 | .023 | .010 | .013 | .008 | .003 |   |
| 10.0 | .114                  | .060 | .025 | .098 | .052 | .022 | .068                                       | .037 | .015 | .040 | .022 | .009 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
Humidity:50.0%  
Test Distance:6.770m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |      |      |              |               |                |                  |      |      |      |
|----------------------------------------------------------------------------------|---------------|------------------|------|------|--------------|---------------|----------------|------------------|------|------|------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |               |                  |      |      |              |               |                |                  |      |      |      |
| NAME: WL-RTST460D(4000K)                                                         |               |                  |      |      | TYPE:        |               |                | WEIGHT:          |      |      |      |
| SPEC.:                                                                           |               |                  |      |      | DIM.:        |               |                | SERIAL No.:      |      |      |      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             |               |                  |      |      | SUR.:1.2*0.6 |               |                | 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                                                                    |               | 15.3             | 16.7 | 15.6 | 16.9         | 17.1          | 15.0           | 16.3             | 15.2 | 16.5 | 16.7 |
|                                                                                  | 3H            | 16.4             | 17.7 | 16.7 | 17.9         | 18.2          | 15.9           | 17.2             | 16.2 | 17.4 | 17.6 |
|                                                                                  | 4H            | 17.0             | 18.2 | 17.3 | 18.5         | 18.7          | 16.4           | 17.6             | 16.7 | 17.8 | 18.1 |
|                                                                                  | 6H            | 17.6             | 18.8 | 18.0 | 19.0         | 19.3          | 16.8           | 17.9             | 17.1 | 18.2 | 18.5 |
|                                                                                  | 8H            | 17.9             | 19.0 | 18.3 | 19.3         | 19.6          | 17.0           | 18.0             | 17.3 | 18.3 | 18.6 |
|                                                                                  | 12H           | 18.2             | 19.2 | 18.5 | 19.5         | 19.8          | 17.1           | 18.1             | 17.4 | 18.4 | 18.7 |
| 4H                                                                               | 2H            | 15.6             | 16.8 | 15.9 | 17.1         | 17.3          | 15.3           | 16.5             | 15.6 | 16.7 | 17.0 |
|                                                                                  | 3H            | 16.9             | 17.9 | 17.2 | 18.2         | 18.5          | 16.5           | 17.5             | 16.8 | 17.8 | 18.1 |
|                                                                                  | 4H            | 17.7             | 18.6 | 18.0 | 18.9         | 19.3          | 17.1           | 18.0             | 17.5 | 18.4 | 18.7 |
|                                                                                  | 6H            | 18.5             | 19.3 | 18.8 | 19.6         | 20.0          | 17.7           | 18.5             | 18.1 | 18.9 | 19.2 |
|                                                                                  | 8H            | 18.8             | 19.6 | 19.2 | 20.0         | 20.4          | 17.9           | 18.7             | 18.3 | 19.1 | 19.4 |
|                                                                                  | 12H           | 19.2             | 19.9 | 19.6 | 20.3         | 20.7          | 18.1           | 18.8             | 18.5 | 19.2 | 19.6 |
| 8H                                                                               | 4H            | 17.9             | 18.6 | 18.3 | 19.0         | 19.4          | 17.3           | 18.1             | 17.8 | 18.5 | 18.9 |
|                                                                                  | 6H            | 18.8             | 19.5 | 19.3 | 19.9         | 20.3          | 18.1           | 18.8             | 18.6 | 19.2 | 19.6 |
|                                                                                  | 8H            | 19.3             | 19.9 | 19.8 | 20.3         | 20.8          | 18.4           | 19.0             | 18.9 | 19.4 | 19.9 |
|                                                                                  | 12H           | 19.8             | 20.3 | 20.3 | 20.8         | 21.3          | 18.7           | 19.2             | 19.2 | 19.6 | 20.1 |
| 12H                                                                              | 4H            | 17.9             | 18.6 | 18.3 | 19.0         | 19.4          | 17.4           | 18.1             | 17.8 | 18.5 | 18.9 |
|                                                                                  | 6H            | 18.9             | 19.5 | 19.4 | 19.9         | 20.4          | 18.2           | 18.8             | 18.7 | 19.2 | 19.7 |
|                                                                                  | 8H            | 19.5             | 20.0 | 19.9 | 20.4         | 20.9          | 18.6           | 19.1             | 19.1 | 19.5 | 20.0 |
| Variations with the observer position at spacings:                               |               |                  |      |      |              |               |                |                  |      |      |      |
| S = 1.0H                                                                         | + 0.2 / - 0.3 |                  |      |      |              | + 0.3 / - 0.3 |                |                  |      |      |      |
| 1.5H                                                                             | + 0.1 / - 0.2 |                  |      |      |              | + 0.1 / - 0.2 |                |                  |      |      |      |
| 2.0H                                                                             | + 0.4 / - 0.5 |                  |      |      |              | + 0.5 / - 0.5 |                |                  |      |      |      |

CIE Pub.117, 6531 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.5$ )  
Area: 0.72 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
Humidity:50.0%  
Test Distance:6.770m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |

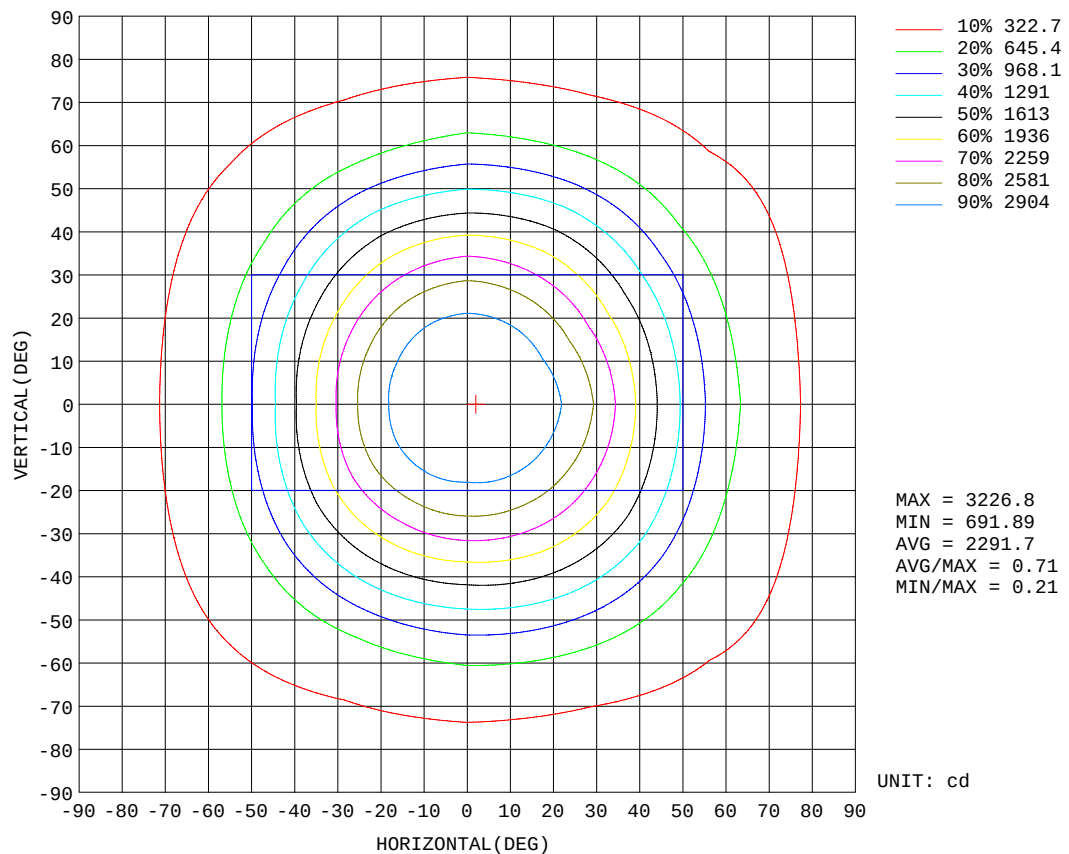
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 65                                                  | 54  | 48        | 64  | 54  | 48  | 63  | 53            | 48  | 42     |
| 0.80                             | 74                                                  | 64  | 58        | 73  | 64  | 57  | 72  | 63            | 57  | 51     |
| 1.00                             | 82                                                  | 72  | 66        | 81  | 72  | 66  | 79  | 73            | 65  | 59     |
| 1.25                             | 89                                                  | 79  | 73        | 87  | 79  | 73  | 85  | 77            | 72  | 66     |
| 1.50                             | 93                                                  | 84  | 78        | 91  | 84  | 78  | 89  | 82            | 77  | 70     |
| 2.00                             | 99                                                  | 91  | 86        | 97  | 90  | 85  | 94  | 88            | 84  | 76     |
| 2.50                             | 102                                                 | 95  | 90        | 100 | 94  | 89  | 96  | 91            | 87  | 80     |
| 3.00                             | 105                                                 | 99  | 94        | 103 | 97  | 93  | 99  | 94            | 91  | 83     |
| 4.00                             | 108                                                 | 103 | 99        | 106 | 101 | 98  | 102 | 98            | 95  | 87     |
| 5.00                             | 110                                                 | 106 | 102       | 108 | 104 | 101 | 103 | 100           | 98  | 89     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:50.0%  
 Test Distance:6.770m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |



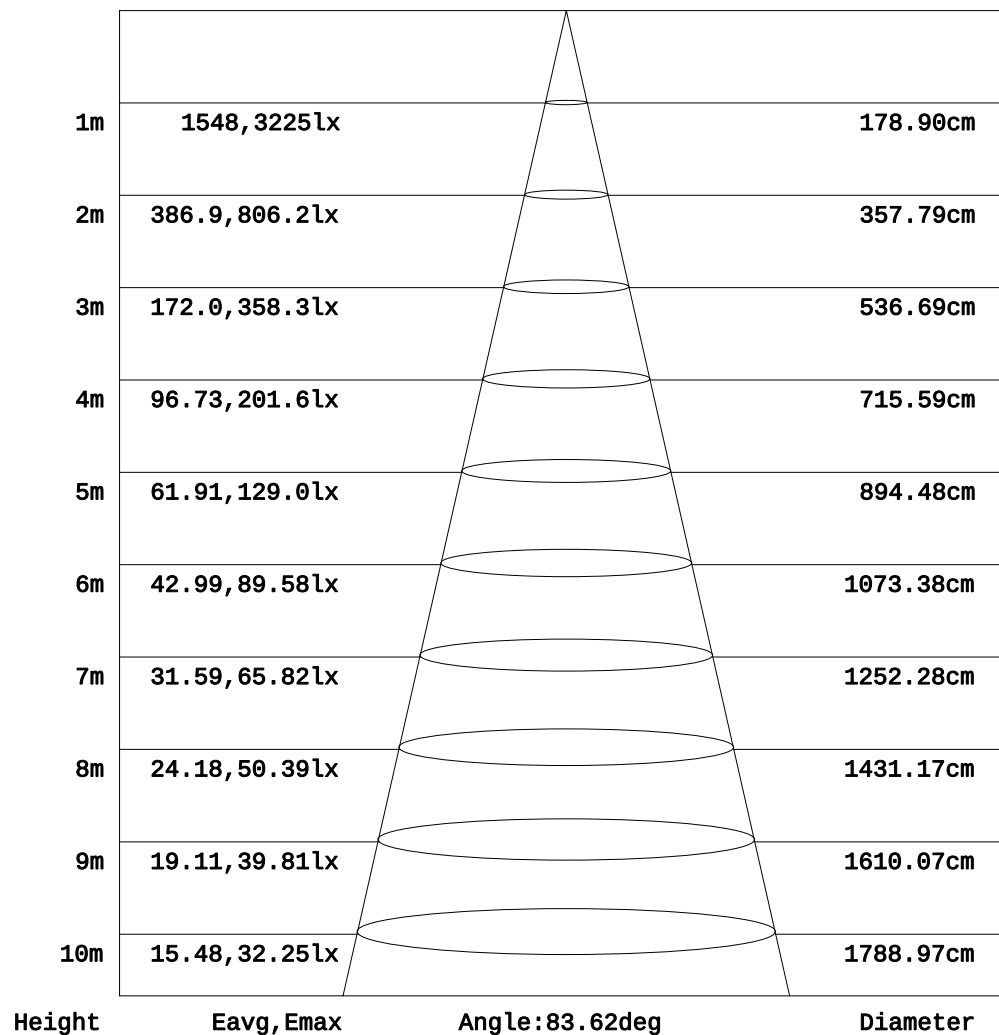
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity: 50.0%  
 Test Distance: 6.770m [K=1.0000]  
 Remarks:

## AAI Figure

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |

Flux out:3942 lm



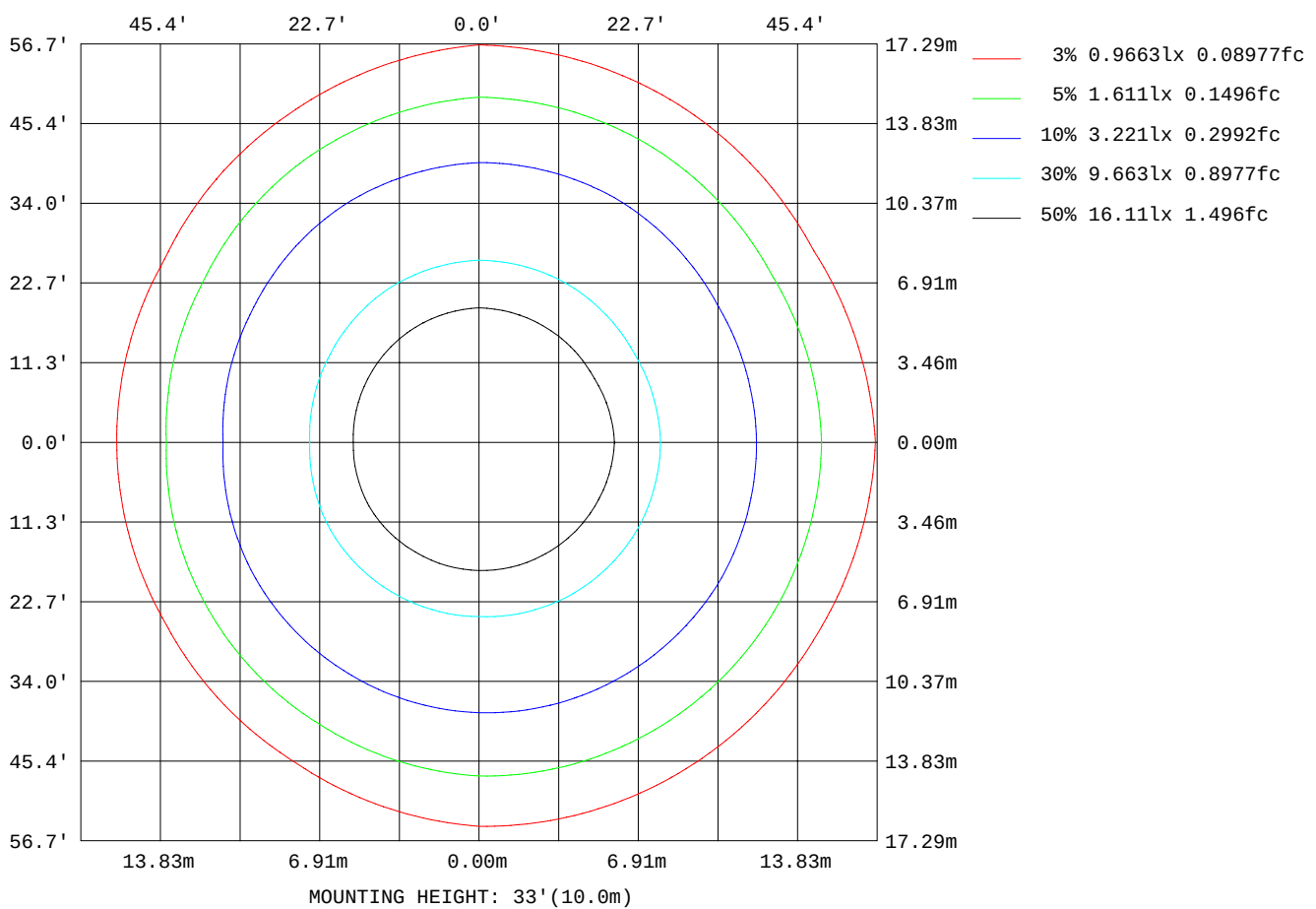
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity: 50.0%  
 Test Distance: 6.770m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-05-05

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
Humidity: 50.0%  
Test Distance: 6.770m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |              |                  |
| NAME: WL-RTST460D(4000K)                                                         | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |

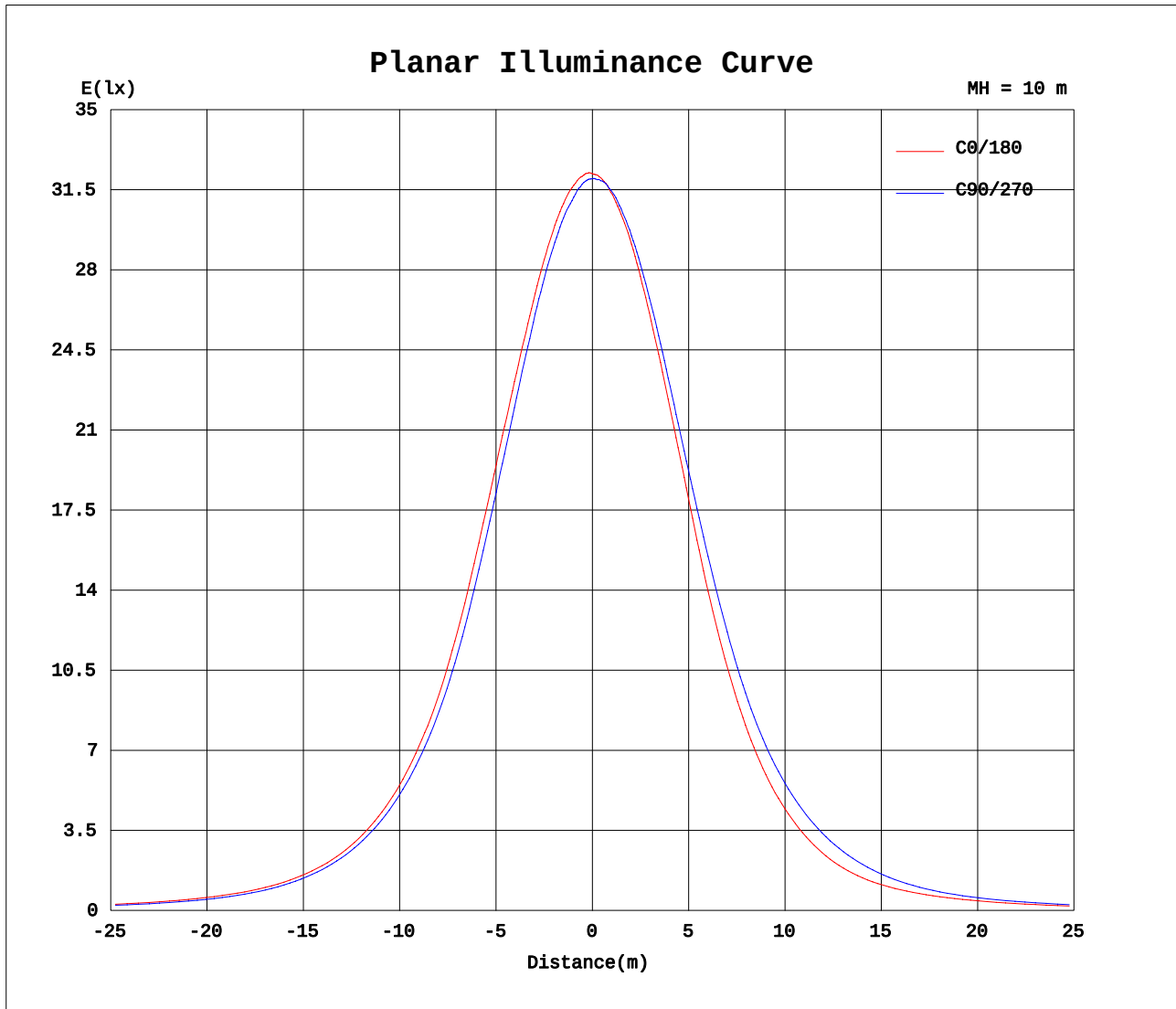
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 1708  |
| L_0~180(75)av  | 1659  |
| L_0~180(85)av  | 1555  |
| L_90~270(65)av | 1798  |
| L_90~270(75)av | 1710  |
| L_90~270(85)av | 1721  |
| L_45(65)av     | 1480  |
| L_45(75)av     | 1501  |
| L_45(85)av     | 1352  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
 Humidity:50.0%  
 Test Distance:6.770m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
Humidity: 50.0%  
Test Distance: 6.770m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |  |  |  |  |  |              |  |  |                  |  |  |
|----------------------------------------------------------------------------------|--|--|--|--|--|--------------|--|--|------------------|--|--|
| Test:U:119.80V I:0.4650A P:55.200W PF:0.9900 Freq:50.00Hz Lamp Flux:6530.53x1 lm |  |  |  |  |  |              |  |  |                  |  |  |
| NAME: WL-RTST460D(4000K)                                                         |  |  |  |  |  | TYPE:        |  |  | WEIGHT:          |  |  |
| SPEC.:                                                                           |  |  |  |  |  | DIM.:        |  |  | SERIAL No.:      |  |  |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             |  |  |  |  |  | SUR.:1.2*0.6 |  |  | Shielding Angle: |  |  |

Table--1

UNIT: cd

| C(DEC)<br>γ (DEC) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0                 | 3205 | 3205 | 3205 | 3205 | 3205 | 3205 | 3205 | 3205 | 3205 | 3205 | 3205 | 3205 |  |  |  |  |  |  |  |
| 5                 | 3200 | 3189 | 3181 | 3173 | 3183 | 3183 | 3174 | 3180 | 3191 | 3199 | 3206 | 3196 |  |  |  |  |  |  |  |
| 10                | 3163 | 3146 | 3121 | 3110 | 3119 | 3115 | 3109 | 3123 | 3143 | 3161 | 3163 | 3150 |  |  |  |  |  |  |  |
| 15                | 3082 | 3057 | 3021 | 3004 | 3013 | 3014 | 2994 | 3020 | 3049 | 3078 | 3076 | 3064 |  |  |  |  |  |  |  |
| 20                | 2952 | 2916 | 2872 | 2847 | 2852 | 2853 | 2823 | 2858 | 2908 | 2948 | 2942 | 2922 |  |  |  |  |  |  |  |
| 25                | 2776 | 2718 | 2661 | 2630 | 2623 | 2630 | 2590 | 2636 | 2708 | 2757 | 2745 | 2723 |  |  |  |  |  |  |  |
| 30                | 2531 | 2453 | 2397 | 2363 | 2330 | 2343 | 2274 | 2347 | 2436 | 2519 | 2485 | 2454 |  |  |  |  |  |  |  |
| 35                | 2205 | 2164 | 2108 | 2041 | 2021 | 2008 | 1927 | 2010 | 2123 | 2220 | 2184 | 2140 |  |  |  |  |  |  |  |
| 40                | 1862 | 1864 | 1807 | 1727 | 1709 | 1683 | 1577 | 1678 | 1812 | 1889 | 1889 | 1832 |  |  |  |  |  |  |  |
| 45                | 1545 | 1564 | 1502 | 1436 | 1391 | 1346 | 1251 | 1350 | 1498 | 1576 | 1589 | 1528 |  |  |  |  |  |  |  |
| 50                | 1247 | 1255 | 1205 | 1156 | 1088 | 1031 | 952  | 1039 | 1186 | 1285 | 1286 | 1225 |  |  |  |  |  |  |  |
| 55                | 975  | 960  | 924  | 896  | 804  | 746  | 707  | 756  | 888  | 1007 | 987  | 936  |  |  |  |  |  |  |  |
| 60                | 751  | 694  | 681  | 669  | 564  | 528  | 553  | 534  | 629  | 761  | 726  | 677  |  |  |  |  |  |  |  |
| 65                | 598  | 490  | 492  | 512  | 416  | 410  | 442  | 409  | 449  | 582  | 524  | 486  |  |  |  |  |  |  |  |
| 70                | 477  | 378  | 374  | 400  | 343  | 341  | 347  | 339  | 364  | 448  | 400  | 377  |  |  |  |  |  |  |  |
| 75                | 371  | 301  | 283  | 296  | 265  | 265  | 247  | 263  | 293  | 341  | 306  | 294  |  |  |  |  |  |  |  |
| 80                | 263  | 226  | 199  | 188  | 170  | 162  | 154  | 158  | 204  | 231  | 225  | 213  |  |  |  |  |  |  |  |
| 85                | 161  | 119  | 91.5 | 83.8 | 61.5 | 53.1 | 34.5 | 50.7 | 91.4 | 132  | 118  | 109  |  |  |  |  |  |  |  |
| 90                | 39.4 | 17.2 | 0.60 | 0.33 | 0.33 | 0.30 | 0.39 | 0.38 | 0.40 | 11.3 | 10.3 | 10.1 |  |  |  |  |  |  |  |
| 95                | 0.28 | 0.35 | 0.50 | 0.66 | 0.54 | 0.44 | 0.51 | 0.53 | 0.50 | 0.55 | 0.45 | 0.40 |  |  |  |  |  |  |  |
| 100               | 0.42 | 0.58 | 0.76 | 0.78 | 0.83 | 0.73 | 0.76 | 0.85 | 0.66 | 0.77 | 0.55 | 0.61 |  |  |  |  |  |  |  |
| 105               | 0.67 | 0.95 | 1.21 | 0.98 | 1.20 | 0.97 | 0.87 | 1.06 | 0.77 | 0.76 | 0.84 | 0.93 |  |  |  |  |  |  |  |
| 110               | 0.81 | 1.18 | 1.69 | 1.08 | 2.04 | 1.26 | 0.89 | 1.48 | 1.58 | 0.88 | 1.60 | 1.14 |  |  |  |  |  |  |  |
| 115               | 1.02 | 1.58 | 2.07 | 1.19 | 2.24 | 1.70 | 1.14 | 1.65 | 2.06 | 0.94 | 1.98 | 1.41 |  |  |  |  |  |  |  |
| 120               | 1.27 | 1.99 | 2.30 | 1.27 | 2.36 | 2.19 | 1.55 | 2.11 | 2.24 | 0.99 | 2.30 | 1.89 |  |  |  |  |  |  |  |
| 125               | 1.58 | 2.34 | 2.26 | 1.37 | 2.62 | 2.68 | 1.88 | 2.82 | 2.24 | 0.90 | 2.22 | 2.16 |  |  |  |  |  |  |  |
| 130               | 1.81 | 2.73 | 2.35 | 1.48 | 2.93 | 2.68 | 2.28 | 2.35 | 2.34 | 0.94 | 1.73 | 2.62 |  |  |  |  |  |  |  |
| 135               | 1.99 | 3.16 | 2.60 | 1.51 | 3.15 | 2.78 | 2.10 | 2.49 | 2.54 | 0.96 | 1.89 | 2.64 |  |  |  |  |  |  |  |
| 140               | 2.31 | 2.61 | 2.96 | 1.58 | 2.73 | 3.09 | 2.20 | 2.95 | 2.45 | 1.00 | 2.09 | 2.52 |  |  |  |  |  |  |  |
| 145               | 2.21 | 2.64 | 2.86 | 1.65 | 2.35 | 3.50 | 2.48 | 3.11 | 2.26 | 1.04 | 2.05 | 1.93 |  |  |  |  |  |  |  |
| 150               | 2.31 | 2.87 | 2.75 | 1.62 | 1.99 | 3.11 | 2.64 | 2.79 | 1.80 | 1.23 | 1.76 | 1.65 |  |  |  |  |  |  |  |
| 155               | 2.48 | 2.90 | 2.78 | 1.71 | 1.73 | 2.63 | 2.40 | 2.43 | 1.67 | 1.54 | 1.59 | 1.42 |  |  |  |  |  |  |  |
| 160               | 2.65 | 2.31 | 2.48 | 1.66 | 1.49 | 2.26 | 2.19 | 2.00 | 1.55 | 1.61 | 2.25 | 1.40 |  |  |  |  |  |  |  |
| 165               | 2.49 | 2.26 | 2.34 | 1.69 | 1.48 | 1.83 | 1.78 | 1.64 | 1.51 | 1.65 | 2.19 | 1.51 |  |  |  |  |  |  |  |
| 170               | 2.33 | 2.31 | 2.13 | 1.67 | 1.58 | 1.62 | 1.55 | 1.54 | 1.58 | 1.64 | 1.99 | 2.15 |  |  |  |  |  |  |  |
| 175               | 1.94 | 2.01 | 1.87 | 1.65 | 1.56 | 1.55 | 1.52 | 1.57 | 1.53 | 1.59 | 1.77 | 1.87 |  |  |  |  |  |  |  |
| 180               | 1.57 | 1.63 | 1.62 | 1.57 | 1.55 | 1.54 | 1.58 | 1.64 | 1.61 | 1.57 | 1.56 | 1.54 |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-05

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.407.13  
Humidity:50.0%  
Test Distance:6.770m [K=1.0000]  
Remarks: