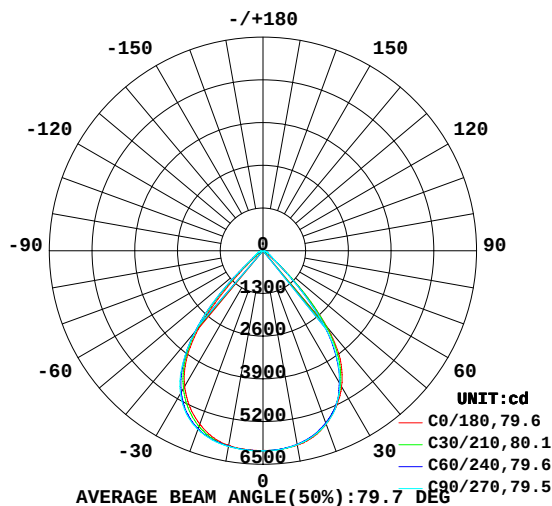


## LUMINAIRE PHOTOMETRIC TEST REPORT

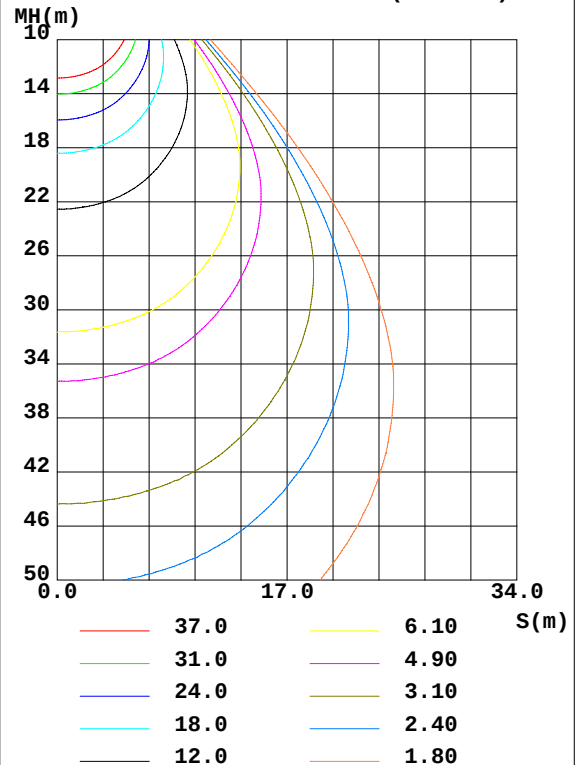
|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | 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: 161.82 lm/W |        |                    |           |
|------------------|---------|-----------------------------------|--------|--------------------|-----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 6096   | S/MH(C0/180)       | 1.15      |
| NOMINAL POWER(W) | 60      | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.17      |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 8916.3 | η UP, DN(C0-180)   | 0.0, 49.2 |
| NOMINAL FLUX(lm) | 8916.33 | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.0, 50.7 |
| LAMPS INSIDE     | 1       | η up(%)                           | 0.0    | CIBSE SHR NOM      | 1.00      |
| TEST VOLTAGE(V)  | 219.7   | η down(%)                         | 100.0  | CIBSE SHR MAX      | 1.15      |

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:2022-05-04

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:

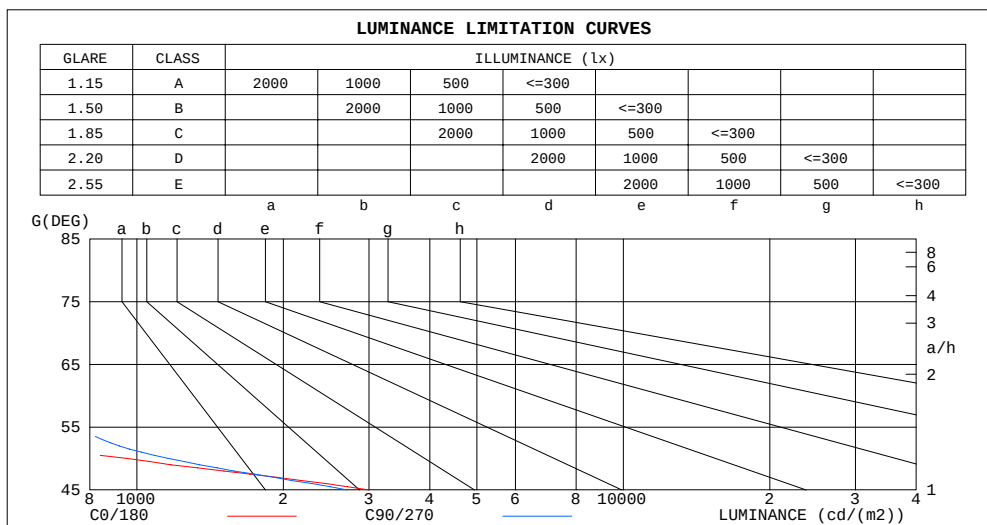
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 6010                  | 5986   | 5995   | 6013   | 6017   | 6035   | 6046   | 6012   | 0- 10    | 577.7       | 577.7        | 6.48, 6.48 |
| 20       | 5619                  | 5591   | 5611   | 5665   | 5619   | 5730   | 5792   | 5658   | 10- 20   | 1659        | 2237         | 25.1, 25.1 |
| 30       | 4781                  | 4687   | 4682   | 4809   | 4771   | 4911   | 5022   | 4793   | 20- 30   | 2434        | 4670         | 52.4, 52.4 |
| 40       | 3027                  | 2866   | 2760   | 3083   | 2952   | 3195   | 3207   | 3008   | 30- 40   | 2507        | 7177         | 80.5, 80.5 |
| 50       | 440.1                 | 534.6  | 537.5  | 654.8  | 456.4  | 659.3  | 693.4  | 552.4  | 40- 50   | 1264        | 8441         | 94.7, 94.7 |
| 60       | 109.3                 | 176.5  | 228.1  | 193.8  | 105.6  | 191.5  | 258.2  | 184.1  | 50- 60   | 275.5       | 8716         | 97.8, 97.8 |
| 70       | 44.17                 | 77.61  | 123.3  | 83.59  | 45.66  | 91.25  | 148.8  | 88.26  | 60- 70   | 126.7       | 8843         | 99.2, 99.2 |
| 80       | 35.85                 | 19.05  | 46.98  | 21.82  | 43.90  | 26.76  | 65.30  | 24.23  | 70- 80   | 56.77       | 8900         | 99.8, 99.8 |
| 90       | 0.1253                | 0.0917 | 0.0957 | 0.7695 | 0.1047 | 0.2297 | 0.3661 | 0.1436 | 80- 90   | 12.64       | 8913         | 100, 100   |
| 100      | 0.3546                | 0.3701 | 0.1111 | 0.5538 | 0.7325 | 0.4623 | 0.1647 | 0.5197 | 90-100   | 0.2266      | 8913         | 100, 100   |
| 110      | 0.1427                | 0.2100 | 0.2164 | 0.2096 | 0.1792 | 0.4883 | 0.2104 | 0.5909 | 100-110  | 0.2734      | 8913         | 100, 100   |
| 120      | 0.3673                | 0.4677 | 0.4269 | 0.4385 | 0.3909 | 0.7820 | 0.3944 | 0.8309 | 110-120  | 0.4333      | 8913         | 100, 100   |
| 130      | 0.7006                | 0.7372 | 0.6393 | 0.7314 | 0.7013 | 0.7590 | 0.5625 | 0.6243 | 120-130  | 0.5619      | 8914         | 100, 100   |
| 140      | 0.8761                | 0.8947 | 0.8671 | 0.8883 | 0.8554 | 0.8538 | 0.7787 | 0.7946 | 130-140  | 0.5987      | 8915         | 100, 100   |
| 150      | 0.9980                | 1.108  | 1.101  | 1.030  | 0.9794 | 1.024  | 1.081  | 1.006  | 140-150  | 0.5880      | 8915         | 100, 100   |
| 160      | 1.400                 | 1.445  | 1.320  | 1.257  | 1.410  | 1.281  | 1.276  | 1.361  | 150-160  | 0.5408      | 8916         | 100, 100   |
| 170      | 1.785                 | 1.712  | 1.495  | 1.545  | 1.783  | 1.595  | 1.466  | 1.612  | 160-170  | 0.4214      | 8916         | 100, 100   |
| 180      | 1.648                 | 1.553  | 1.449  | 1.499  | 1.652  | 1.554  | 1.443  | 1.497  | 170-180  | 0.1533      | 8916         | 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: 2022-05-04

$\gamma$  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:

## LUMINANCE LIMITATION CURVES

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | 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                | 122    | 155     |
| 80                | 288    | 375     |
| 75                | 168    | 445     |
| 70                | 180    | 500     |
| 65                | 232    | 558     |
| 60                | 305    | 633     |
| 55                | 493    | 753     |
| 50                | 954    | 1160    |
| 45                | 2999   | 2705    |

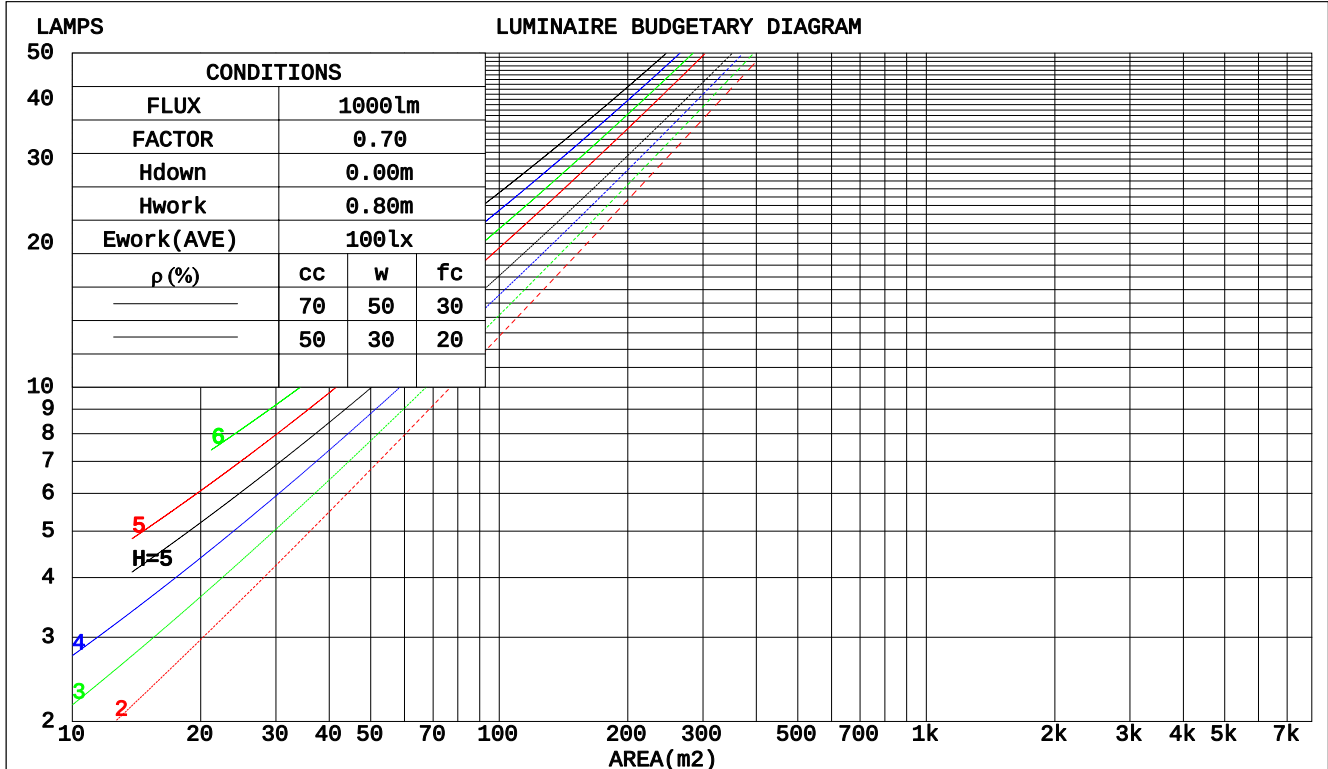
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-04

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:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | 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         | 1.09                  | 1.07 | 1.04 | 1.07                            | 1.05 | 1.02 | 1.03 | 1.01 | .99  | .99  | .98  | .96  | .96  | .95  | .93  | .92 |
| 2.0         | 1.00                  | .96  | .92  | .99                             | .94  | .91  | .95  | .92  | .89  | .92  | .89  | .87  | .89  | .87  | .85  | .83 |
| 3.0         | .92                   | .86  | .82  | .91                             | .85  | .81  | .88  | .83  | .80  | .85  | .82  | .78  | .83  | .80  | .77  | .75 |
| 4.0         | .85                   | .78  | .73  | .83                             | .78  | .73  | .81  | .76  | .72  | .79  | .75  | .71  | .77  | .73  | .70  | .69 |
| 5.0         | .78                   | .71  | .66  | .77                             | .71  | .66  | .75  | .70  | .65  | .73  | .69  | .65  | .72  | .68  | .64  | .63 |
| 6.0         | .72                   | .65  | .60  | .71                             | .65  | .60  | .70  | .64  | .60  | .68  | .63  | .59  | .67  | .62  | .59  | .57 |
| 7.0         | .67                   | .60  | .55  | .66                             | .60  | .55  | .65  | .59  | .55  | .63  | .58  | .54  | .62  | .58  | .54  | .52 |
| 8.0         | .62                   | .55  | .51  | .61                             | .55  | .50  | .60  | .54  | .50  | .59  | .54  | .50  | .58  | .53  | .50  | .48 |
| 9.0         | .58                   | .51  | .47  | .57                             | .51  | .46  | .56  | .50  | .46  | .55  | .50  | .46  | .54  | .50  | .46  | .44 |
| 10.0        | .54                   | .47  | .43  | .54                             | .47  | .43  | .53  | .47  | .43  | .52  | .46  | .43  | .51  | .46  | .43  | .41 |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-04

$\gamma$  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:

## WEC AND CCEC

|                                                                                  |  |  |              |  |                  |
|----------------------------------------------------------------------------------|--|--|--------------|--|------------------|
| Test:U:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |  |  |              |  |                  |
| NAME: WL-2RTST460D(5000K)                                                        |  |  | 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         | .204                  | .116 | .037 | .197 | .112 | .036 | .184                            | .106 | .034 | .172 | .099 | .032 | .162 | .094 | .030 |   |  |
| 2.0         | .197                  | .108 | .033 | .192 | .105 | .032 | .181                            | .100 | .031 | .171 | .096 | .030 | .161 | .091 | .029 |   |  |
| 3.0         | .189                  | .100 | .030 | .184 | .098 | .030 | .174                            | .095 | .029 | .166 | .091 | .028 | .158 | .087 | .027 |   |  |
| 4.0         | .180                  | .094 | .027 | .176 | .092 | .027 | .167                            | .089 | .027 | .160 | .086 | .026 | .153 | .083 | .025 |   |  |
| 5.0         | .171                  | .087 | .025 | .168 | .086 | .025 | .160                            | .083 | .025 | .154 | .081 | .024 | .147 | .079 | .024 |   |  |
| 6.0         | .163                  | .082 | .023 | .160 | .081 | .023 | .153                            | .079 | .023 | .147 | .077 | .023 | .142 | .075 | .022 |   |  |
| 7.0         | .156                  | .077 | .022 | .153 | .076 | .022 | .147                            | .074 | .021 | .141 | .073 | .021 | .136 | .071 | .021 |   |  |
| 8.0         | .148                  | .073 | .020 | .146 | .072 | .020 | .141                            | .070 | .020 | .136 | .069 | .020 | .131 | .067 | .020 |   |  |
| 9.0         | .142                  | .069 | .019 | .139 | .068 | .019 | .135                            | .067 | .019 | .130 | .065 | .019 | .126 | .064 | .019 |   |  |
| 10.0        | .135                  | .065 | .018 | .133 | .064 | .018 | .129                            | .063 | .018 | .125 | .062 | .018 | .121 | .061 | .018 |   |  |

| $\rho_{cc}$ | 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 |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .191                  | .191 | .191 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .173                  | .157 | .143 | .148 | .135 | .123 | .101                                       | .093 | .085 | .058 | .054 | .050 | .019 | .017 | .016 |   |
| 2.0         | .160                  | .133 | .110 | .137 | .114 | .095 | .094                                       | .079 | .066 | .054 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0         | .149                  | .114 | .086 | .128 | .098 | .075 | .088                                       | .068 | .052 | .051 | .040 | .031 | .016 | .013 | .010 |   |
| 4.0         | .140                  | .100 | .069 | .120 | .086 | .060 | .083                                       | .060 | .042 | .048 | .035 | .025 | .015 | .011 | .008 |   |
| 5.0         | .132                  | .089 | .056 | .114 | .077 | .049 | .078                                       | .054 | .035 | .045 | .031 | .021 | .015 | .010 | .007 |   |
| 6.0         | .126                  | .080 | .047 | .108 | .069 | .041 | .074                                       | .048 | .029 | .043 | .028 | .017 | .014 | .009 | .006 |   |
| 7.0         | .119                  | .072 | .039 | .103 | .063 | .034 | .071                                       | .044 | .024 | .041 | .026 | .014 | .013 | .008 | .005 |   |
| 8.0         | .114                  | .066 | .034 | .098 | .058 | .029 | .068                                       | .040 | .021 | .039 | .024 | .012 | .013 | .008 | .004 |   |
| 9.0         | .109                  | .061 | .029 | .094 | .053 | .026 | .065                                       | .037 | .018 | .038 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0        | .104                  | .057 | .026 | .090 | .050 | .023 | .062                                       | .035 | .016 | .036 | .021 | .010 | .012 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-04

$\gamma$  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:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |               |                  |      |      |      |               |                |      |                  |      |      |
| NAME: WL-2RTST460D(5000K)                                                        |               |                  |      |      |      | 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                                                                    |               | 12.6             | 13.8 | 12.9 | 13.9 | 14.1          | 12.4           | 13.6 | 12.7             | 13.7 | 13.9 |
|                                                                                  | 3H            | 12.5             | 13.5 | 12.8 | 13.7 | 13.9          | 12.4           | 13.5 | 12.7             | 13.7 | 13.9 |
|                                                                                  | 4H            | 12.4             | 13.4 | 12.7 | 13.6 | 13.8          | 12.4           | 13.4 | 12.7             | 13.6 | 13.9 |
|                                                                                  | 6H            | 12.3             | 13.2 | 12.6 | 13.5 | 13.7          | 12.4           | 13.3 | 12.7             | 13.6 | 13.8 |
|                                                                                  | 8H            | 12.3             | 13.2 | 12.6 | 13.4 | 13.7          | 12.4           | 13.3 | 12.7             | 13.5 | 13.8 |
|                                                                                  | 12H           | 12.2             | 13.1 | 12.6 | 13.3 | 13.6          | 12.4           | 13.2 | 12.7             | 13.5 | 13.7 |
| 4H                                                                               | 2H            | 12.4             | 13.4 | 12.7 | 13.6 | 13.8          | 12.2           | 13.2 | 12.5             | 13.4 | 13.7 |
|                                                                                  | 3H            | 12.3             | 13.1 | 12.6 | 13.4 | 13.7          | 12.3           | 13.1 | 12.6             | 13.4 | 13.7 |
|                                                                                  | 4H            | 12.2             | 13.0 | 12.6 | 13.3 | 13.6          | 12.3           | 13.1 | 12.7             | 13.4 | 13.7 |
|                                                                                  | 6H            | 12.1             | 12.8 | 12.5 | 13.1 | 13.5          | 12.3           | 13.0 | 12.7             | 13.3 | 13.7 |
|                                                                                  | 8H            | 12.1             | 12.7 | 12.5 | 13.1 | 13.4          | 12.3           | 12.9 | 12.7             | 13.3 | 13.6 |
|                                                                                  | 12H           | 12.1             | 12.6 | 12.5 | 13.0 | 13.4          | 12.3           | 12.8 | 12.7             | 13.2 | 13.6 |
| 8H                                                                               | 4H            | 12.1             | 12.7 | 12.5 | 13.1 | 13.4          | 12.2           | 12.8 | 12.6             | 13.2 | 13.5 |
|                                                                                  | 6H            | 12.0             | 12.5 | 12.5 | 12.9 | 13.4          | 12.2           | 12.7 | 12.6             | 13.1 | 13.5 |
|                                                                                  | 8H            | 12.0             | 12.4 | 12.5 | 12.9 | 13.3          | 12.2           | 12.6 | 12.7             | 13.1 | 13.5 |
|                                                                                  | 12H           | 12.0             | 12.3 | 12.4 | 12.8 | 13.3          | 12.2           | 12.5 | 12.6             | 13.0 | 13.5 |
| 12H                                                                              | 4H            | 12.1             | 12.6 | 12.5 | 13.0 | 13.4          | 12.1           | 12.7 | 12.6             | 13.1 | 13.5 |
|                                                                                  | 6H            | 12.0             | 12.4 | 12.4 | 12.9 | 13.3          | 12.2           | 12.6 | 12.6             | 13.0 | 13.5 |
|                                                                                  | 8H            | 12.0             | 12.3 | 12.4 | 12.8 | 13.2          | 12.2           | 12.5 | 12.6             | 13.0 | 13.5 |
| Variations with the observer position at spacings:                               |               |                  |      |      |      |               |                |      |                  |      |      |
| S = 1.0H                                                                         | + 2.3 / - 8.6 |                  |      |      |      | + 2.1 / - 5.2 |                |      |                  |      |      |
| 1.5H                                                                             | + 4.1 / - 7.3 |                  |      |      |      | + 3.9 / - 5.0 |                |      |                  |      |      |
| 2.0H                                                                             | + 6.5 / - 5.5 |                  |      |      |      | + 5.2 / - 2.6 |                |      |                  |      |      |

CIE Pub.117, 8916 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 7.6$ )  
Area: 0.72 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-04

$\gamma$  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:

## UTILIZATION FACTORS TABLE

|                                                                                  |              |                  |
|----------------------------------------------------------------------------------|--------------|------------------|
| Test:U:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |

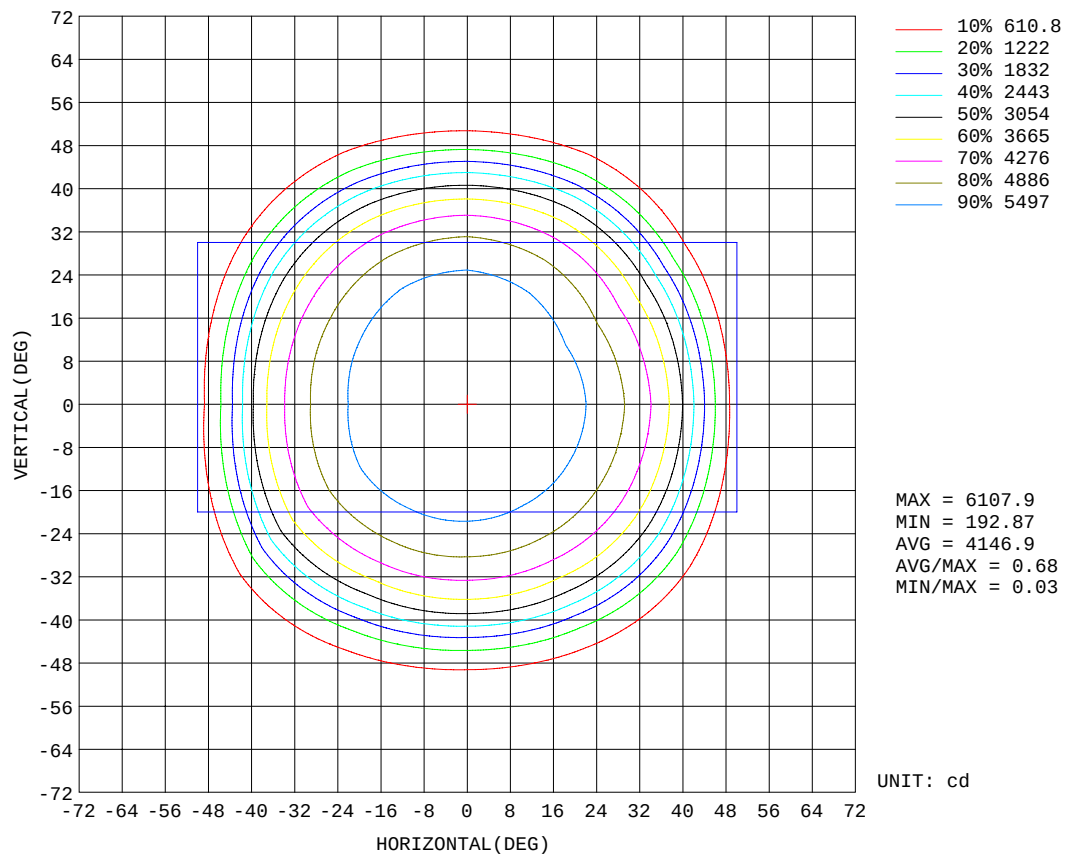
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 79                                                  | 71  | 67        | 79  | 71  | 67  | 78  | 71            | 67  | 62     |
| 0.80                             | 88                                                  | 81  | 76        | 87  | 80  | 76  | 86  | 80            | 75  | 71     |
| 1.00                             | 94                                                  | 87  | 83        | 93  | 87  | 82  | 91  | 87            | 82  | 77     |
| 1.25                             | 99                                                  | 93  | 88        | 98  | 92  | 88  | 96  | 91            | 87  | 82     |
| 1.50                             | 102                                                 | 97  | 92        | 101 | 96  | 92  | 99  | 94            | 91  | 86     |
| 2.00                             | 106                                                 | 101 | 97        | 105 | 100 | 96  | 102 | 98            | 95  | 89     |
| 2.50                             | 108                                                 | 104 | 100       | 106 | 102 | 99  | 103 | 100           | 97  | 91     |
| 3.00                             | 110                                                 | 106 | 103       | 108 | 105 | 102 | 105 | 102           | 99  | 93     |
| 4.00                             | 112                                                 | 109 | 106       | 110 | 107 | 105 | 106 | 104           | 102 | 95     |
| 5.00                             | 114                                                 | 111 | 109       | 111 | 109 | 107 | 107 | 106           | 104 | 96     |
| 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:2022-05-04

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:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |



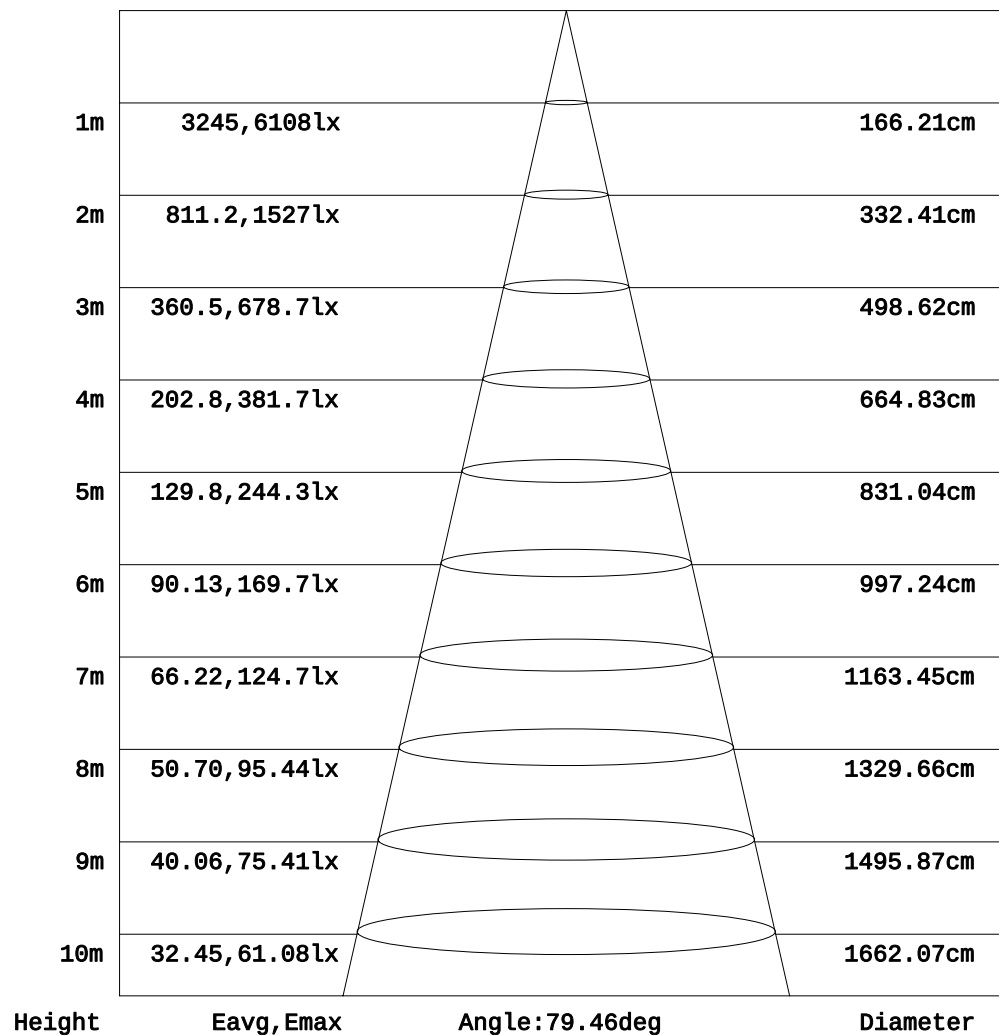
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-04

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:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |

Flux out:7177 lm



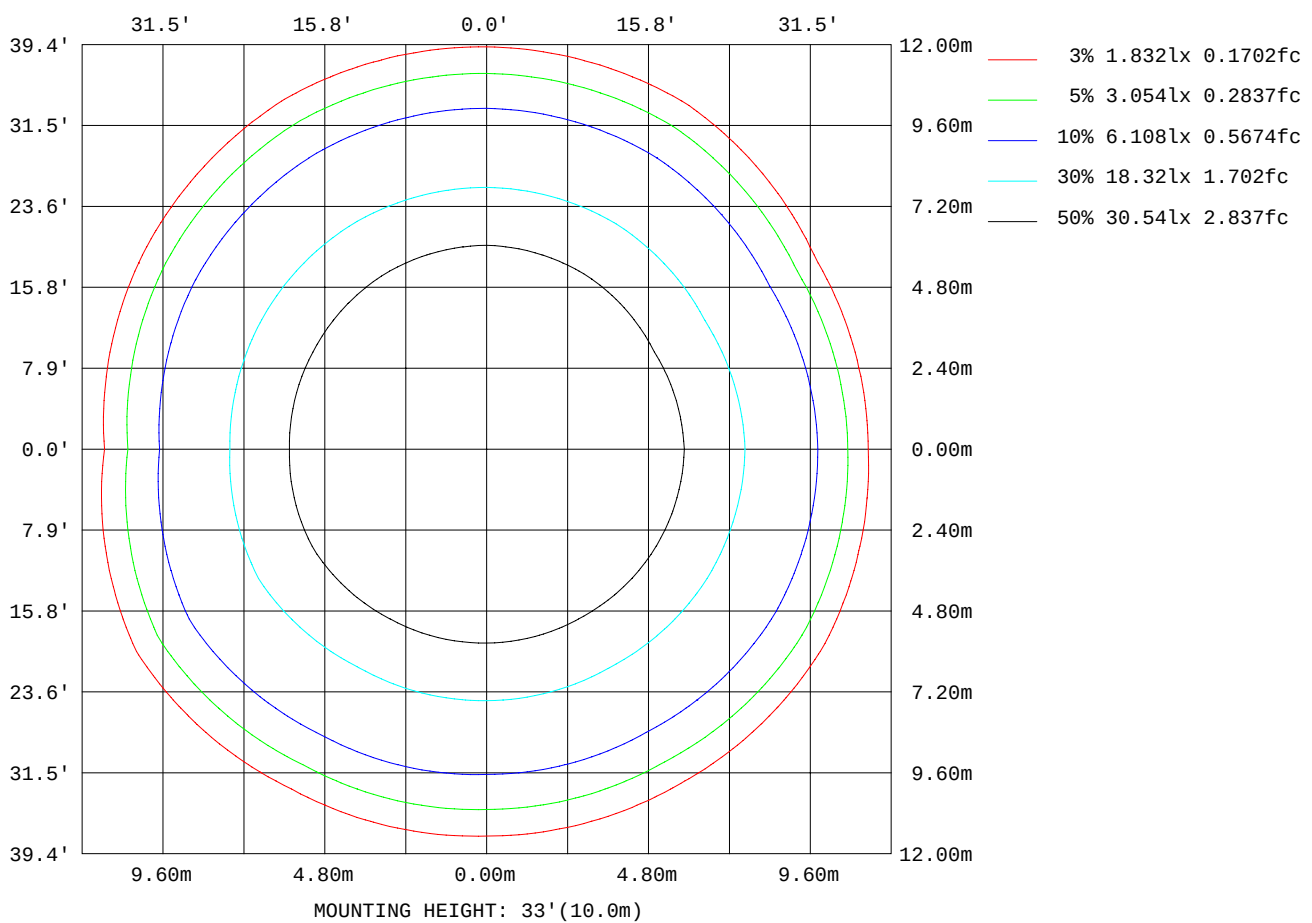
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-04

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:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | 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: 2022-05-04

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:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |              |                  |
| NAME: WL-2RTST460D(5000K)                                                        | TYPE:        | WEIGHT:          |
| SPEC.:                                                                           | DIM.:        | SERIAL No.:      |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             | SUR.:1.2*0.6 | Shielding Angle: |

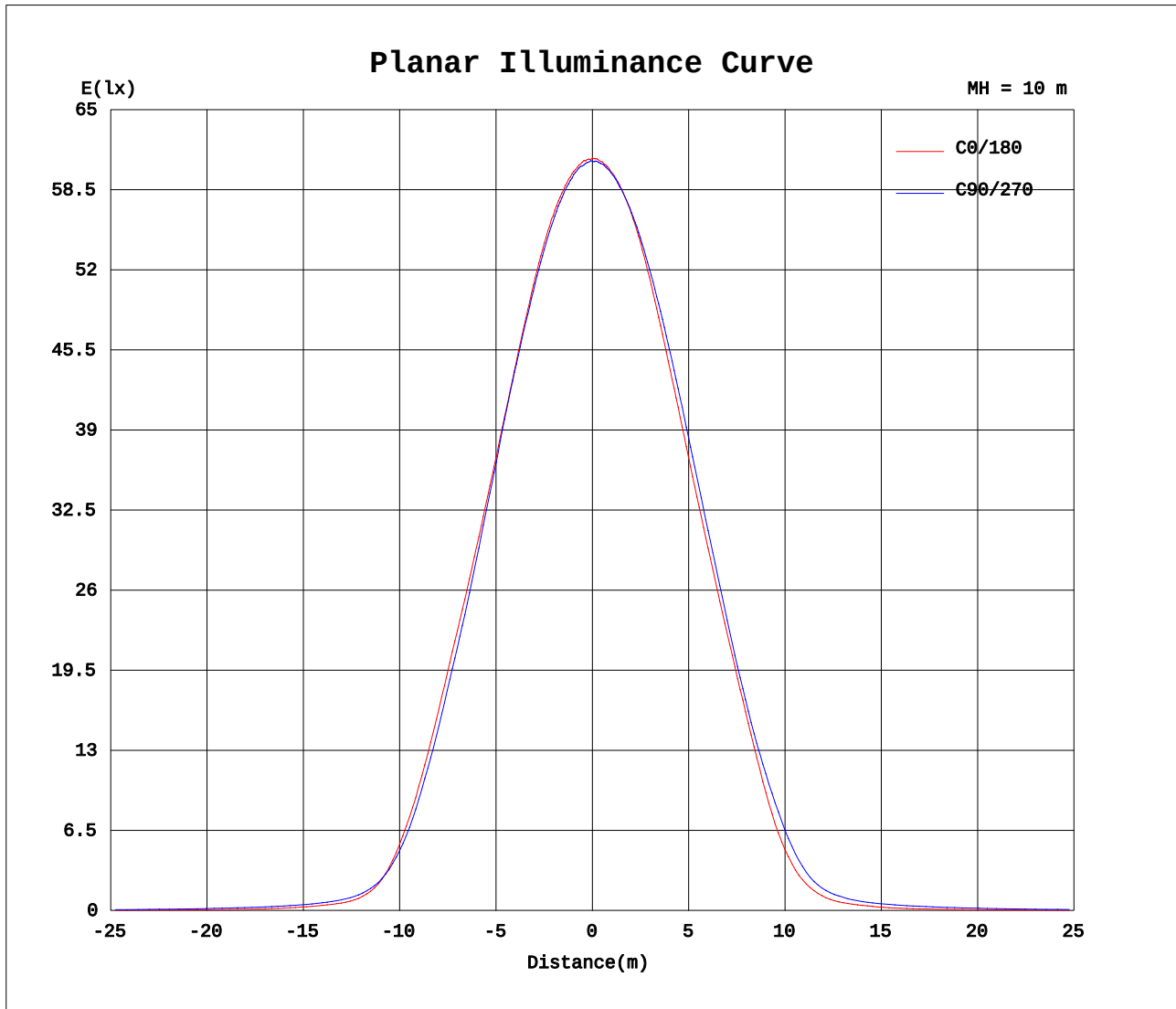
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 234   |
| L_0~180(75)av  | 172   |
| L_0~180(85)av  | 111   |
| L_90~270(65)av | 603   |
| L_90~270(75)av | 505   |
| L_90~270(85)av | 229   |
| L_45(65)av     | 406   |
| L_45(75)av     | 225   |
| L_45(85)av     | 147   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-04

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: 2022-05-04

$\gamma$  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:120.20V I:0.4630A P:55.100W PF:0.9900 Freq:50.00Hz Lamp Flux:8916.33x1 lm |  |  |  |  |  |  |  |  |              |  |  |                  |  |  |  |  |  |
| NAME: WL-2RTST460D(5000K)                                                        |  |  |  |  |  |  |  |  | TYPE:        |  |  | WEIGHT:          |  |  |  |  |  |
| SPEC.:                                                                           |  |  |  |  |  |  |  |  | DIM.:        |  |  | SERIAL No.:      |  |  |  |  |  |
| MFR.: Shenzhen Wisdom Light Co., ltd                                             |  |  |  |  |  |  |  |  | SUR.:1.2*0.6 |  |  | Shielding Angle: |  |  |  |  |  |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                  | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 | 6088 |  |  |  |  |  |  |
| 5                  | 6063 | 6068 | 6059 | 6067 | 6071 | 6070 | 6071 | 6076 | 6078 | 6086 | 6076 | 6060 |  |  |  |  |  |  |
| 10                 | 6010 | 5991 | 5980 | 5995 | 5999 | 6028 | 6017 | 6034 | 6036 | 6046 | 6027 | 5996 |  |  |  |  |  |  |
| 15                 | 5876 | 5851 | 5830 | 5849 | 5868 | 5917 | 5880 | 5921 | 5954 | 5963 | 5921 | 5856 |  |  |  |  |  |  |
| 20                 | 5619 | 5606 | 5575 | 5611 | 5632 | 5697 | 5619 | 5691 | 5769 | 5792 | 5727 | 5589 |  |  |  |  |  |  |
| 25                 | 5255 | 5225 | 5220 | 5250 | 5282 | 5351 | 5258 | 5338 | 5461 | 5496 | 5404 | 5200 |  |  |  |  |  |  |
| 30                 | 4781 | 4725 | 4649 | 4682 | 4735 | 4883 | 4771 | 4848 | 4974 | 5022 | 4903 | 4683 |  |  |  |  |  |  |
| 35                 | 4119 | 4025 | 3857 | 3891 | 3959 | 4241 | 4072 | 4153 | 4257 | 4290 | 4193 | 3961 |  |  |  |  |  |  |
| 40                 | 3027 | 2975 | 2757 | 2760 | 2877 | 3290 | 2952 | 3149 | 3242 | 3207 | 3149 | 2867 |  |  |  |  |  |  |
| 45                 | 1522 | 1556 | 1363 | 1379 | 1515 | 1919 | 1394 | 1712 | 1862 | 1848 | 1741 | 1388 |  |  |  |  |  |  |
| 50                 | 440  | 539  | 530  | 537  | 582  | 728  | 456  | 603  | 716  | 693  | 655  | 450  |  |  |  |  |  |  |
| 55                 | 203  | 243  | 292  | 311  | 313  | 286  | 203  | 256  | 349  | 358  | 338  | 221  |  |  |  |  |  |  |
| 60                 | 109  | 147  | 206  | 228  | 222  | 166  | 106  | 144  | 239  | 258  | 237  | 131  |  |  |  |  |  |  |
| 65                 | 70.5 | 77.7 | 150  | 170  | 162  | 86.7 | 71.9 | 86.7 | 175  | 197  | 176  | 77.2 |  |  |  |  |  |  |
| 70                 | 44.2 | 51.4 | 104  | 123  | 110  | 57.1 | 45.7 | 57.9 | 125  | 149  | 125  | 51.2 |  |  |  |  |  |  |
| 75                 | 31.1 | 29.5 | 50.2 | 83.1 | 50.7 | 33.5 | 32.9 | 35.3 | 62.2 | 105  | 61.4 | 31.3 |  |  |  |  |  |  |
| 80                 | 35.8 | 17.0 | 21.1 | 47.0 | 23.4 | 20.2 | 43.9 | 19.6 | 33.9 | 65.3 | 29.7 | 18.7 |  |  |  |  |  |  |
| 85                 | 7.64 | 7.27 | 8.30 | 9.76 | 8.79 | 8.42 | 6.24 | 8.48 | 13.3 | 19.0 | 12.8 | 7.81 |  |  |  |  |  |  |
| 90                 | 0.13 | 0.08 | 0.11 | 0.10 | 0.11 | 1.43 | 0.10 | 0.14 | 0.32 | 0.37 | 0.16 | 0.13 |  |  |  |  |  |  |
| 95                 | 0.07 | 0.12 | 0.25 | 0.10 | 0.16 | 0.08 | 0.14 | 0.13 | 0.16 | 0.15 | 0.16 | 0.21 |  |  |  |  |  |  |
| 100                | 0.35 | 0.62 | 0.12 | 0.11 | 0.12 | 0.99 | 0.73 | 0.74 | 0.18 | 0.16 | 0.19 | 0.85 |  |  |  |  |  |  |
| 105                | 0.19 | 0.21 | 0.15 | 0.15 | 0.15 | 0.22 | 0.22 | 0.27 | 0.20 | 0.16 | 0.16 | 0.32 |  |  |  |  |  |  |
| 110                | 0.14 | 0.19 | 0.23 | 0.22 | 0.24 | 0.18 | 0.18 | 0.56 | 0.42 | 0.21 | 0.57 | 0.62 |  |  |  |  |  |  |
| 115                | 0.23 | 0.29 | 0.35 | 0.32 | 0.35 | 0.26 | 0.25 | 0.55 | 0.83 | 0.29 | 0.94 | 0.54 |  |  |  |  |  |  |
| 120                | 0.37 | 0.43 | 0.51 | 0.43 | 0.46 | 0.41 | 0.39 | 0.51 | 1.06 | 0.39 | 1.20 | 0.46 |  |  |  |  |  |  |
| 125                | 0.54 | 0.59 | 0.64 | 0.53 | 0.57 | 0.59 | 0.56 | 0.66 | 0.94 | 0.47 | 0.96 | 0.56 |  |  |  |  |  |  |
| 130                | 0.70 | 0.76 | 0.72 | 0.64 | 0.68 | 0.78 | 0.70 | 0.68 | 0.84 | 0.56 | 0.57 | 0.68 |  |  |  |  |  |  |
| 135                | 0.80 | 0.87 | 0.81 | 0.76 | 0.79 | 0.88 | 0.80 | 0.76 | 0.75 | 0.67 | 0.67 | 0.75 |  |  |  |  |  |  |
| 140                | 0.88 | 0.88 | 0.91 | 0.87 | 0.87 | 0.91 | 0.86 | 0.84 | 0.87 | 0.78 | 0.77 | 0.82 |  |  |  |  |  |  |
| 145                | 0.91 | 0.95 | 1.02 | 0.97 | 0.98 | 0.95 | 0.90 | 0.91 | 0.98 | 0.89 | 0.88 | 0.88 |  |  |  |  |  |  |
| 150                | 1.00 | 1.07 | 1.14 | 1.10 | 1.06 | 1.00 | 0.98 | 0.97 | 1.08 | 1.08 | 1.01 | 1.00 |  |  |  |  |  |  |
| 155                | 1.15 | 1.23 | 1.30 | 1.22 | 1.15 | 1.09 | 1.14 | 1.11 | 1.14 | 1.19 | 1.20 | 1.14 |  |  |  |  |  |  |
| 160                | 1.40 | 1.46 | 1.43 | 1.32 | 1.25 | 1.26 | 1.41 | 1.31 | 1.25 | 1.28 | 1.34 | 1.39 |  |  |  |  |  |  |
| 165                | 1.64 | 1.67 | 1.55 | 1.42 | 1.38 | 1.46 | 1.66 | 1.54 | 1.41 | 1.39 | 1.45 | 1.59 |  |  |  |  |  |  |
| 170                | 1.78 | 1.82 | 1.61 | 1.49 | 1.48 | 1.61 | 1.78 | 1.66 | 1.52 | 1.47 | 1.52 | 1.71 |  |  |  |  |  |  |
| 175                | 1.78 | 1.77 | 1.58 | 1.50 | 1.50 | 1.63 | 1.70 | 1.62 | 1.51 | 1.44 | 1.46 | 1.60 |  |  |  |  |  |  |
| 180                | 1.65 | 1.62 | 1.49 | 1.45 | 1.44 | 1.56 | 1.65 | 1.62 | 1.49 | 1.44 | 1.44 | 1.56 |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-04

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: