

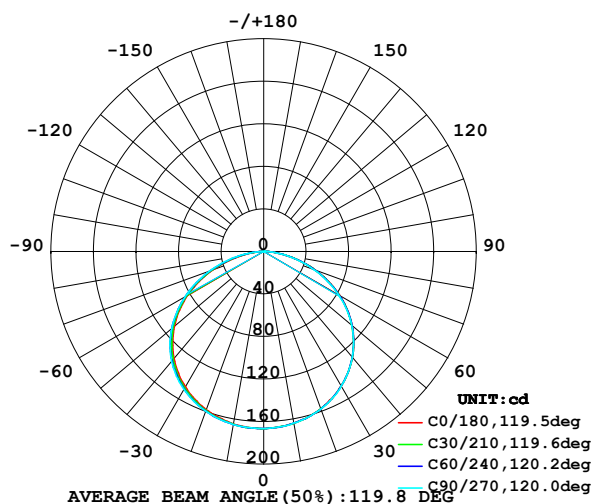
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

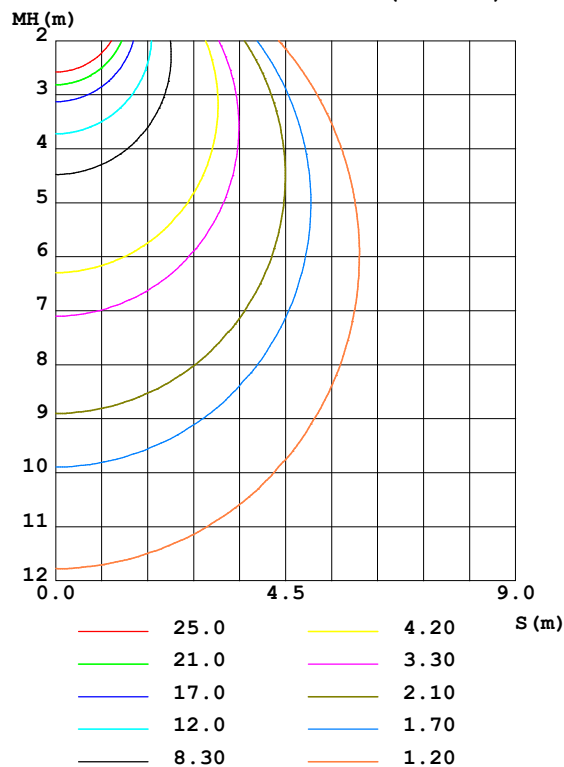
|   |                |                           |
|---|----------------|---------------------------|
| Test:U:24.00V I:0.4301A P:10.32W PF:1.000 Lamp Flux:519.71x1 lm |                |                           |
| NAME: LED Flexible Strips                                       | SUR.:1m*0.012m | SERIAL No.:WY-PG-23070602 |
| MFR.: EKLART  |                |                           |
|   |                |                           |

| DATA OF LAMP     |             | PHOTOMETRIC DATA Eff: 50.35 lm/W |        |                        |          |
|------------------|-------------|----------------------------------|--------|------------------------|----------|
| MODEL            | EKF5RGBW110 | Imax(cd)                         | 166.9  | S/MH(C0/180)           | 1.32     |
| NOMINAL POWER(W) | 10          | LOR(%)                           | 100.0  | S/MH(C90/270)          | 1.34     |
| RATED VOLTAGE(V) | 24          | TOTAL FLUX(lm)                   | 519.71 | $\eta$ UP,DN(C0-180)   | 0.3,49.2 |
| NOMINAL FLUX(lm) | 519.71      | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 0.2,50.3 |
| LAMPS INSIDE     | 1           | $\eta$ up(%)                     | 0.5    | CIBSE SHR NOM          | 1.50     |
| TEST VOLTAGE(V)  | 24          | $\eta$ down(%)                   | 99.5   | CIBSE SHR MAX          | 1.50     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

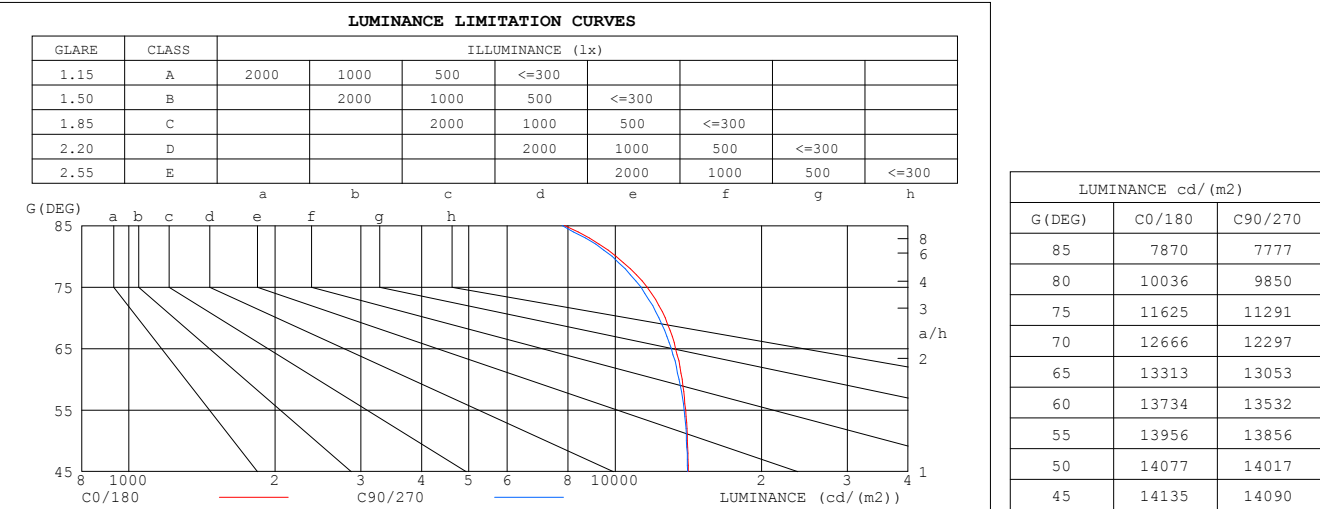
Assessor: Lijian Jiang

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 164.1                 | 163.8  | 164.0  | 164.7  | 164.7  | 164.9  | 165.2  | 165.1  | 0- 10    | 15.81       | 15.81        | 3.04,3.04  |
| 20       | 157.5                 | 157.5  | 157.6  | 158.6  | 158.4  | 159.3  | 159.9  | 159.3  | 10- 20   | 45.81       | 61.62        | 11.9,11.9  |
| 30       | 146.1                 | 145.9  | 146.1  | 147.9  | 147.2  | 148.7  | 149.9  | 149.2  | 20- 30   | 70.91       | 132.5        | 25.5,25.5  |
| 40       | 129.8                 | 129.8  | 129.7  | 132.2  | 131.4  | 133.1  | 134.8  | 133.6  | 30- 40   | 87.89       | 220.4        | 42.4,42.4  |
| 50       | 108.6                 | 108.7  | 108.1  | 110.5  | 109.7  | 112.0  | 112.9  | 112.8  | 40- 50   | 93.96       | 314.4        | 60.5,60.5  |
| 60       | 82.41                 | 82.68  | 81.19  | 83.18  | 82.67  | 84.51  | 85.48  | 86.16  | 50- 60   | 87.17       | 401.5        | 77.3,77.3  |
| 70       | 51.99                 | 52.33  | 50.47  | 51.62  | 50.73  | 52.76  | 54.27  | 54.88  | 60- 70   | 67.38       | 468.9        | 90.2,90.2  |
| 80       | 20.91                 | 21.72  | 20.53  | 19.84  | 18.13  | 20.53  | 22.48  | 23.24  | 70- 80   | 38.20       | 507.1        | 97.6,97.6  |
| 90       | 1.198                 | 1.278  | 0.2433 | 1.094  | 0.9329 | 0.9237 | 0.1089 | 1.712  | 80- 90   | 9.875       | 517.0        | 99.5,99.5  |
| 100      | 0.1535                | 0.2051 | 0.1857 | 0.2181 | 0.1730 | 0.1665 | 0.1670 | 0.1472 | 90-100   | 0.3188      | 517.3        | 99.5,99.5  |
| 110      | 0.2624                | 0.3206 | 0.2754 | 0.3330 | 0.2756 | 0.2113 | 0.2756 | 0.2175 | 100-110  | 0.2313      | 517.6        | 99.6,99.6  |
| 120      | 0.3711                | 0.4355 | 0.3968 | 0.4547 | 0.3843 | 0.3264 | 0.4101 | 0.3391 | 110-120  | 0.3256      | 517.9        | 99.6,99.6  |
| 130      | 0.4739                | 0.5381 | 0.5057 | 0.5573 | 0.4869 | 0.4541 | 0.5061 | 0.4674 | 120-130  | 0.3974      | 518.3        | 99.7,99.7  |
| 140      | 0.6084                | 0.6340 | 0.6084 | 0.6468 | 0.5893 | 0.5953 | 0.6149 | 0.6081 | 130-140  | 0.4291      | 518.7        | 99.8,99.8  |
| 150      | 0.6338                | 0.6982 | 0.6788 | 0.7109 | 0.6660 | 0.6084 | 0.6788 | 0.6084 | 140-150  | 0.3988      | 519.1        | 99.9,99.9  |
| 160      | 0.6916                | 0.7494 | 0.7044 | 0.7683 | 0.7239 | 0.6852 | 0.7301 | 0.6852 | 150-160  | 0.3202      | 519.4        | 99.9,99.9  |
| 170      | 0.7428                | 0.7877 | 0.7491 | 0.7877 | 0.7877 | 0.7173 | 0.7813 | 0.7172 | 160-170  | 0.2084      | 519.6        | 100,100    |
| 180      | 0.7877                | 0.7877 | 0.7877 | 0.7941 | 0.8005 | 0.7877 | 0.8005 | 0.7877 | 170-180  | 0.0737      | 519.7        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

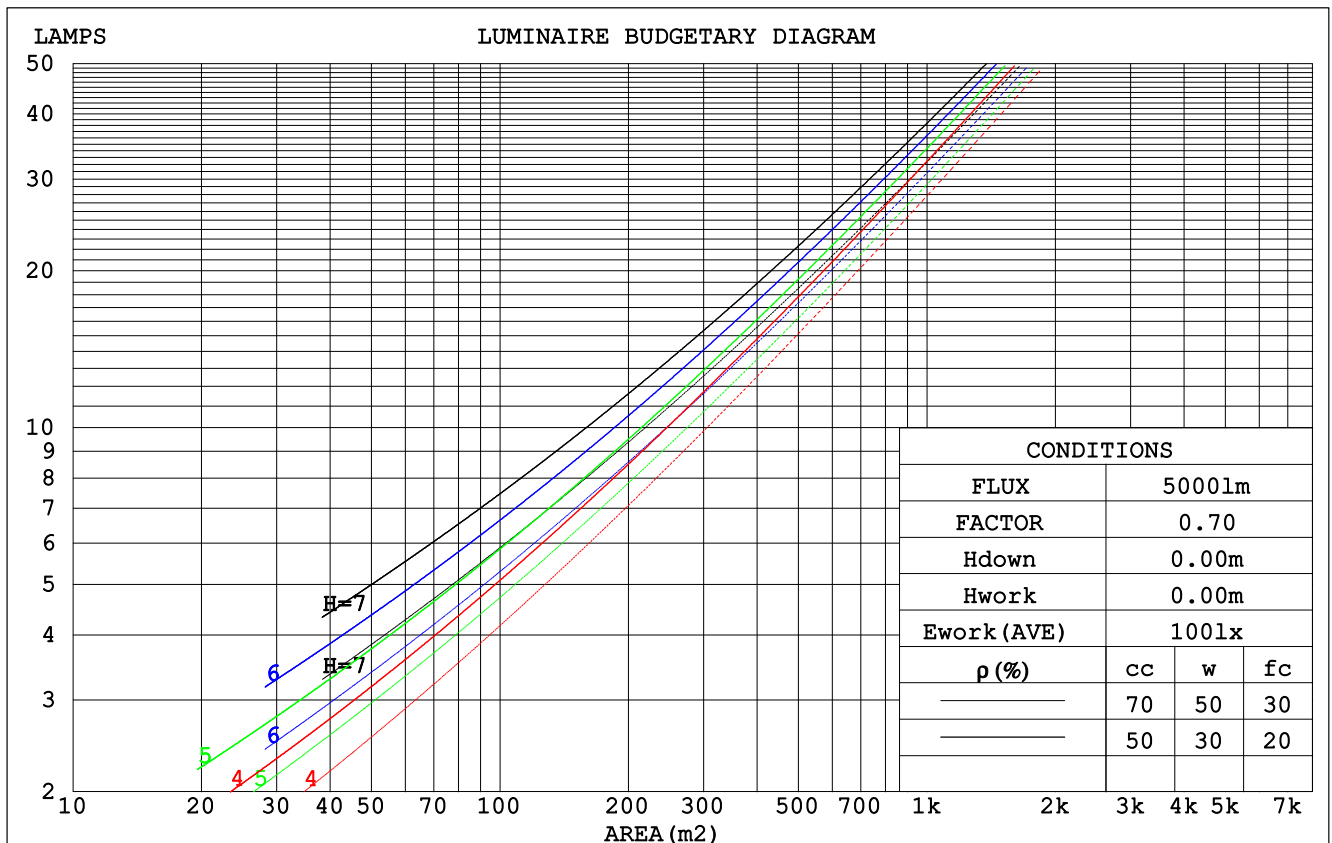
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|      |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |     |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0   |
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pfc  | 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 | .99 |
| 1.0  | 1.03                  | .99  | .95  | 1.01 | .97  | .94  | .97                             | .93  | .90  | .93  | .90  | .88  | .89  | .87  | .85  | .83 |
| 2.0  | .90                   | .83  | .77  | .88  | .81  | .76  | .84                             | .79  | .74  | .81  | .76  | .72  | .78  | .74  | .71  | .68 |
| 3.0  | .79                   | .70  | .64  | .77  | .69  | .63  | .74                             | .67  | .62  | .71  | .65  | .61  | .68  | .64  | .59  | .57 |
| 4.0  | .69                   | .60  | .53  | .68  | .60  | .53  | .65                             | .58  | .52  | .63  | .57  | .51  | .61  | .55  | .51  | .48 |
| 5.0  | .62                   | .53  | .46  | .61  | .52  | .46  | .58                             | .51  | .45  | .56  | .50  | .44  | .54  | .49  | .44  | .42 |
| 6.0  | .55                   | .46  | .40  | .54  | .46  | .40  | .53                             | .45  | .39  | .51  | .44  | .39  | .49  | .43  | .38  | .36 |
| 7.0  | .50                   | .41  | .35  | .49  | .41  | .35  | .48                             | .40  | .35  | .46  | .39  | .34  | .45  | .39  | .34  | .32 |
| 8.0  | .46                   | .37  | .31  | .45  | .37  | .31  | .44                             | .36  | .31  | .42  | .35  | .30  | .41  | .35  | .30  | .28 |
| 9.0  | .42                   | .34  | .28  | .41  | .33  | .28  | .40                             | .33  | .28  | .39  | .32  | .27  | .38  | .32  | .27  | .25 |
| 10.0 | .39                   | .31  | .25  | .38  | .30  | .25  | .37                             | .30  | .25  | .36  | .29  | .25  | .35  | .29  | .25  | .23 |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.2DEG  
Operators: Suming Huang  
Test Date: 2023-07-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity: 56.8%  
Test Distance: 10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .315                  | .179 | .057 | .308 | .176 | .056 | .294                            | .169 | .054 | .282 | .163 | .052 | .270 | .157 | .051 |   |
| 2.0  | .297                  | .163 | .050 | .290 | .160 | .049 | .278                            | .155 | .048 | .267 | .150 | .047 | .257 | .145 | .046 |   |
| 3.0  | .274                  | .146 | .044 | .269 | .144 | .043 | .258                            | .140 | .043 | .248 | .136 | .042 | .239 | .132 | .041 |   |
| 4.0  | .253                  | .132 | .039 | .248 | .130 | .038 | .239                            | .127 | .038 | .230 | .123 | .037 | .222 | .120 | .037 |   |
| 5.0  | .234                  | .119 | .034 | .229 | .118 | .034 | .221                            | .115 | .034 | .213 | .112 | .033 | .206 | .110 | .033 |   |
| 6.0  | .217                  | .109 | .031 | .213 | .107 | .031 | .205                            | .105 | .031 | .198 | .103 | .030 | .191 | .101 | .030 |   |
| 7.0  | .201                  | .100 | .028 | .198 | .099 | .028 | .191                            | .097 | .028 | .185 | .095 | .028 | .179 | .093 | .027 |   |
| 8.0  | .188                  | .092 | .026 | .185 | .091 | .026 | .179                            | .089 | .025 | .173 | .088 | .025 | .168 | .086 | .025 |   |
| 9.0  | .176                  | .085 | .024 | .173 | .084 | .024 | .168                            | .083 | .023 | .163 | .081 | .023 | .158 | .080 | .023 |   |
| 10.0 | .165                  | .079 | .022 | .163 | .079 | .022 | .158                            | .077 | .022 | .153 | .076 | .022 | .149 | .075 | .021 |   |

| pcc  | 80%                   |      |      | 70%   |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|---|------|------|------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .194                  | .194 | .194 | .166  | .166 | .166 | .113 | .113 | .113 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0  | .185                  | .160 | .138 | .158  | .137 | .119 | .108 | .095 | .082 | .062 | .055 | .048 | .020 | .018 | .015 |   |
| 2.0  | .177                  | .136 | .101 | .152  | .117 | .088 | .104 | .081 | .061 | .060 | .047 | .036 | .019 | .015 | .012 |   |
| 3.0  | .169                  | .118 | .078 | .145  | .102 | .067 | .100 | .071 | .047 | .058 | .041 | .028 | .019 | .013 | .009 |   |
| 4.0  | .162                  | .105 | .062 | .139  | .091 | .054 | .096 | .063 | .038 | .055 | .037 | .022 | .018 | .012 | .007 |   |
| 5.0  | .154                  | .095 | .051 | .133  | .082 | .044 | .091 | .057 | .031 | .053 | .034 | .018 | .017 | .011 | .006 |   |
| 6.0  | .147                  | .086 | .043 | .127  | .075 | .037 | .087 | .052 | .026 | .051 | .031 | .016 | .016 | .010 | .005 |   |
| 7.0  | .140                  | .080 | .037 | .121  | .069 | .032 | .083 | .048 | .023 | .048 | .029 | .014 | .016 | .009 | .004 |   |
| 8.0  | .134                  | .074 | .033 | .115  | .064 | .028 | .080 | .045 | .020 | .046 | .027 | .012 | .015 | .009 | .004 |   |
| 9.0  | .128                  | .069 | .029 | .110  | .060 | .025 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 10.0 | .122                  | .065 | .026 | .105  | .056 | .023 | .073 | .039 | .016 | .043 | .023 | .010 | .014 | .008 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UGR(Unified Glare Rating) Table

|  |                  |      |      |      |      |                |      |      |      |      |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| 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                                      | 22.1             | 23.6 | 22.3 | 23.8 | 24.0 | 22.0           | 23.6 | 22.3 | 23.8 | 24.0 |
| 3H   | 23.7             | 25.1 | 24.0 | 25.3 | 25.6 | 23.6           | 25.0 | 23.9 | 25.3 | 25.5 |
| 4H   | 24.3             | 25.6 | 24.6 | 25.9 | 26.2 | 24.2           | 25.5 | 24.5 | 25.8 | 26.1 |
| 6H   | 24.7             | 26.0 | 25.0 | 26.2 | 26.5 | 24.6           | 25.9 | 24.9 | 26.2 | 26.5 |
| 8H   | 24.8             | 26.0 | 25.2 | 26.3 | 26.6 | 24.7           | 26.0 | 25.1 | 26.2 | 26.6 |
| 12H  | 24.9             | 26.1 | 25.2 | 26.4 | 26.7 | 24.8           | 26.0 | 25.1 | 26.3 | 26.6 |
| 4H 2H  | 22.7             | 24.1 | 23.0 | 24.3 | 24.6 | 22.7           | 24.0 | 23.0 | 24.3 | 24.6 |
| 3H   | 24.5             | 25.7 | 24.8 | 26.0 | 26.3 | 24.4           | 25.6 | 24.8 | 25.9 | 26.2 |
| 4H   | 25.2             | 26.3 | 25.6 | 26.6 | 27.0 | 25.1           | 26.2 | 25.5 | 26.6 | 26.9 |
| 6H   | 25.7             | 26.7 | 26.2 | 27.1 | 27.4 | 25.7           | 26.6 | 26.1 | 27.0 | 27.4 |
| 8H   | 25.9             | 26.8 | 26.3 | 27.2 | 27.6 | 25.8           | 26.7 | 26.3 | 27.1 | 27.5 |
| 12H  | 26.0             | 26.8 | 26.5 | 27.2 | 27.7 | 25.9           | 26.8 | 26.4 | 27.2 | 27.6 |
| 8H 4H  | 25.5             | 26.4 | 25.9 | 26.8 | 27.2 | 25.4           | 26.3 | 25.8 | 26.7 | 27.1 |
| 6H   | 26.2             | 26.9 | 26.6 | 27.3 | 27.8 | 26.1           | 26.8 | 26.6 | 27.3 | 27.7 |
| 8H   | 26.4             | 27.1 | 26.9 | 27.5 | 28.0 | 26.4           | 27.0 | 26.8 | 27.4 | 27.9 |
| 12H  | 26.6             | 27.1 | 27.1 | 27.6 | 28.1 | 26.5           | 27.1 | 27.0 | 27.5 | 28.0 |
| 12H 4H   | 25.5             | 26.3 | 25.9 | 26.7 | 27.1 | 25.4           | 26.3 | 25.9 | 26.6 | 27.1 |
| 6H   | 26.2             | 26.9 | 26.7 | 27.3 | 27.8 | 26.2           | 26.8 | 26.6 | 27.3 | 27.7 |
| 8H   | 26.5             | 27.1 | 27.0 | 27.5 | 28.0 | 26.4           | 27.0 | 26.9 | 27.5 | 28.0 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| S = 1.0H   | + 0.1 / - 0.2    |      |      |      |      | + 0.1 / - 0.2  |      |      |      |      |
| 1.5H   | + 0.2 / - 0.3    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |
| 2.0H   | + 0.2 / - 0.3    |      |      |      |      | + 0.2 / - 0.3  |      |      |      |      |

CIE Pub.117 Corrected 519.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.3)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

## UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 56   | 44  | 37        | 55  | 44  | 37  | 54  | 44            | 37  | 30     |
| 0.80                             | 66   | 54  | 47        | 65  | 54  | 47  | 63  | 53            | 46  | 39     |
| 1.00                             | 75   | 63  | 56        | 74  | 63  | 56  | 71  | 64            | 55  | 48     |
| 1.25                             | 82   | 71  | 64        | 81  | 71  | 64  | 78  | 69            | 63  | 55     |
| 1.50                             | 87   | 77  | 70        | 85  | 76  | 69  | 82  | 74            | 68  | 60     |
| 2.00                             | 94   | 85  | 79        | 92  | 84  | 78  | 89  | 82            | 76  | 68     |
| 2.50                             | 98   | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 81  | 73     |
| 3.00                             | 102  | 95  | 89        | 99  | 93  | 88  | 95  | 90            | 86  | 77     |
| 4.00                             | 106  | 100 | 95        | 103 | 98  | 94  | 99  | 95            | 91  | 82     |
| 5.00                             | 108  | 103 | 99        | 106 | 101 | 98  | 101 | 98            | 94  | 85     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

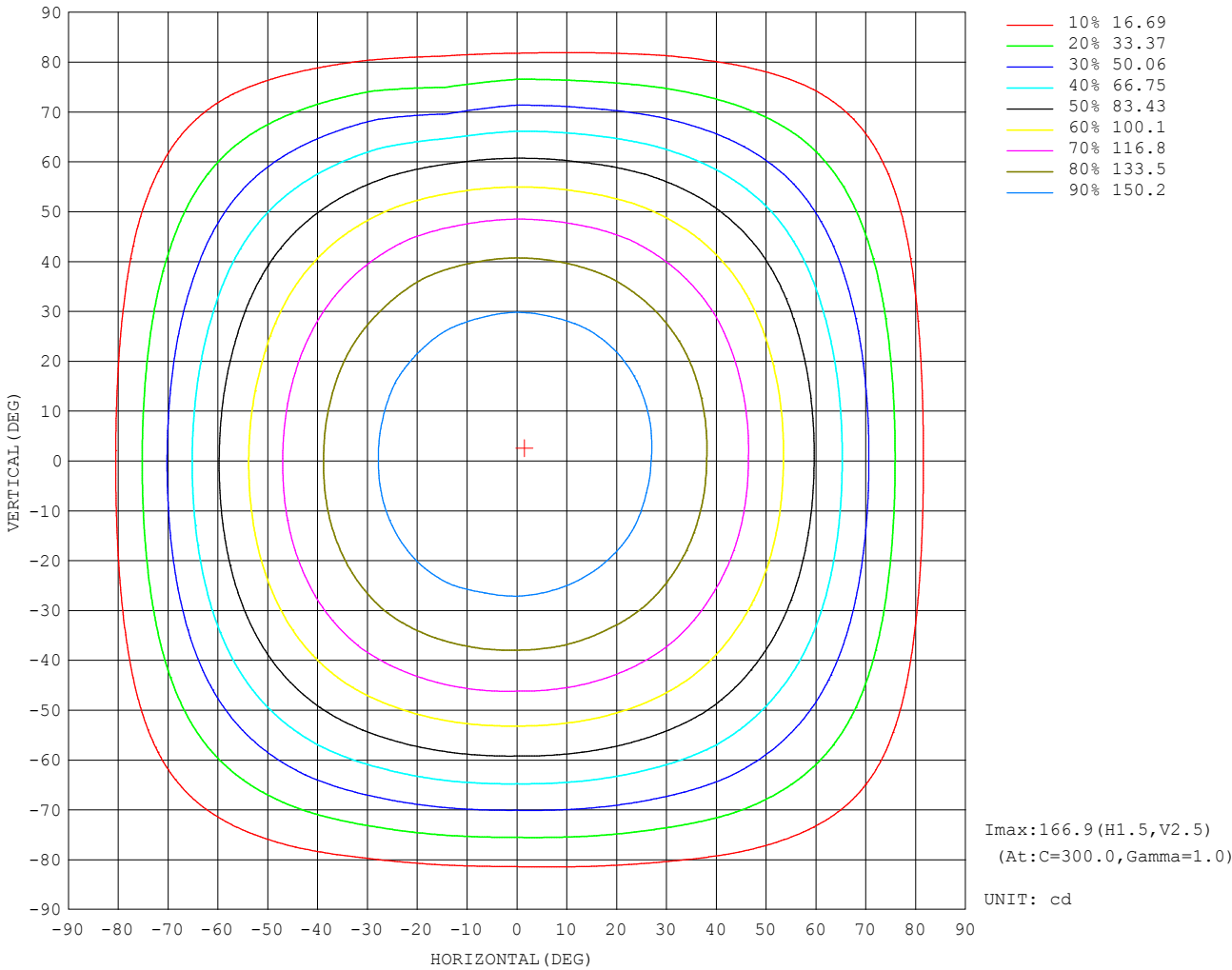
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: Suming Huang  
 Test Date: 2023-07-07

Checker: Suming Huang

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
 Humidity: 56.8%  
 Test Distance: 10.149m [K=1.0000]  
 Remarks: standard: GB/T 9468-2008

Assessor: Lijian Jiang

ISOCANDELA DIAGRAM



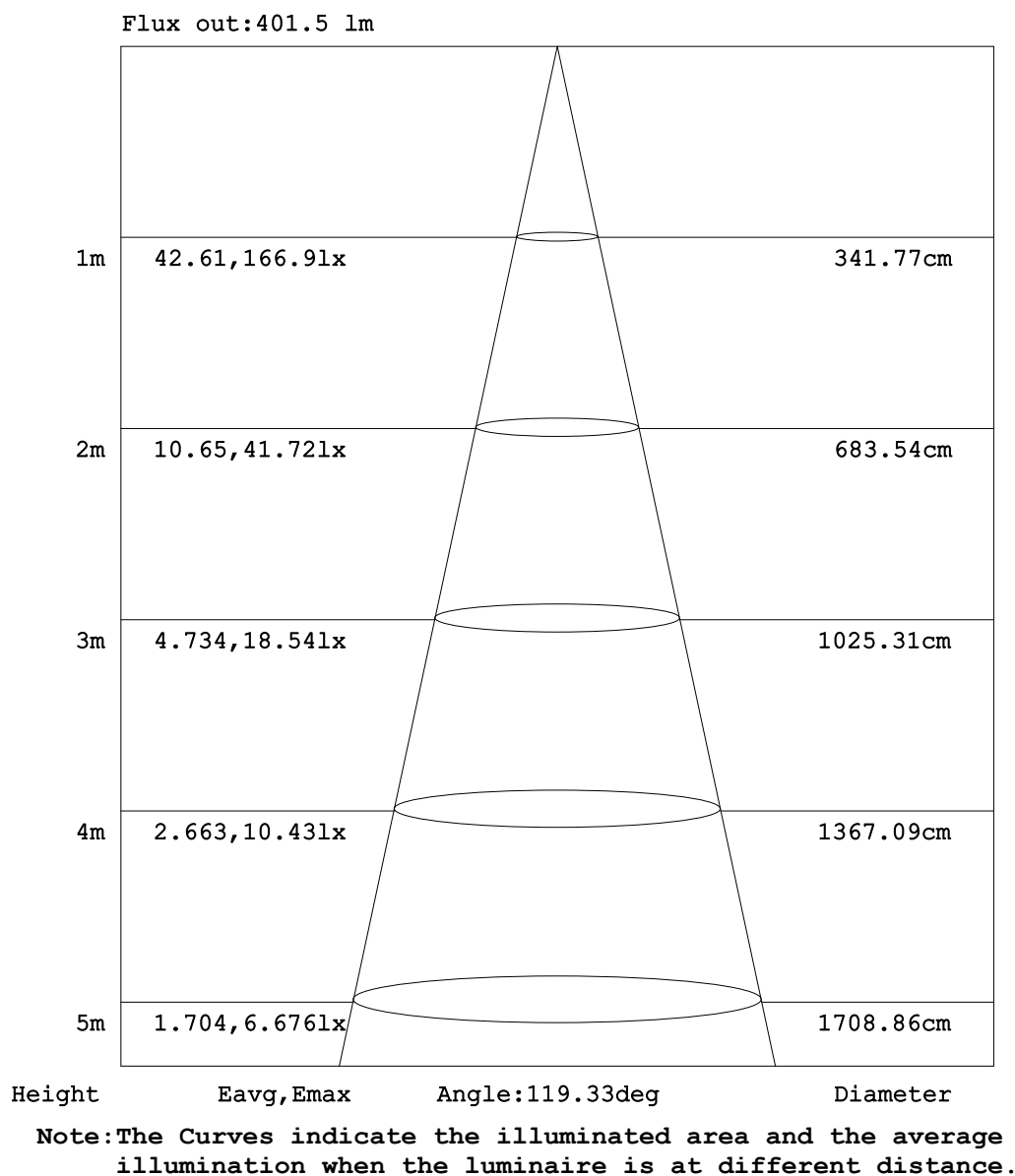
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

## AAI Figure



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

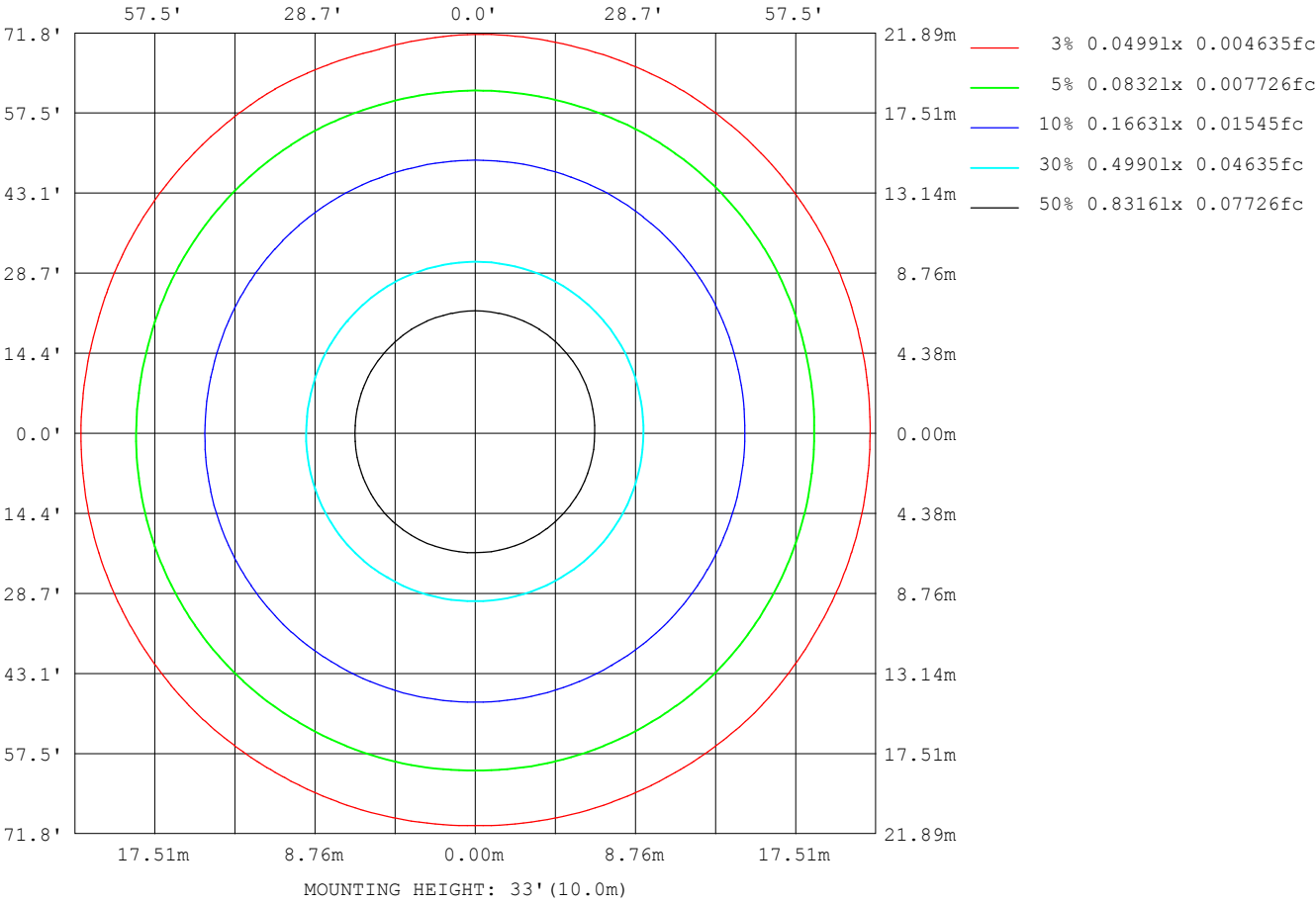
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang



ISOLUX DIAGRAM



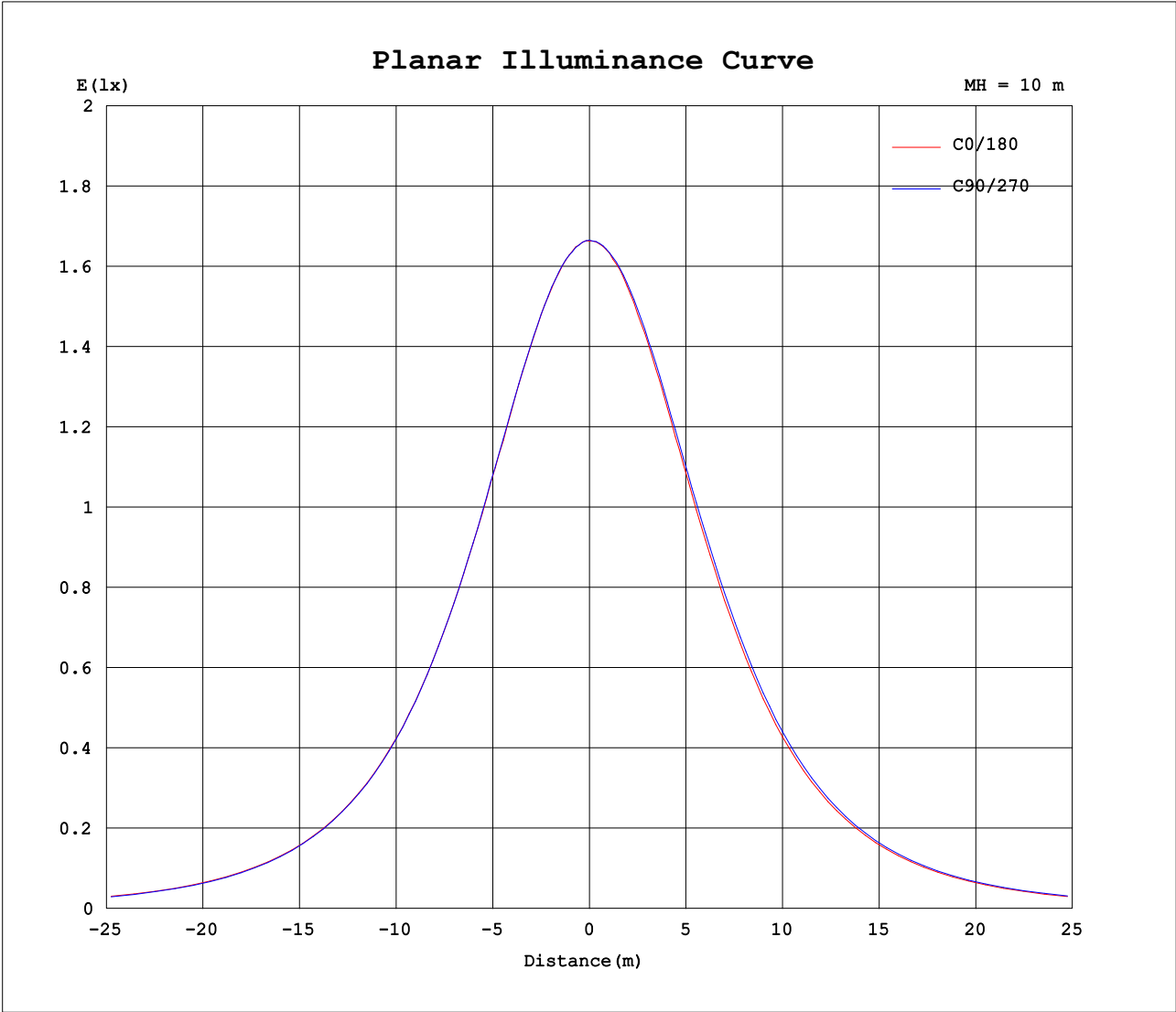
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 166  | 167  | 167  | 166  | 166  | 166  | 167  | 166  | 167  | 167  | 167  | 167  | 166  | 167  | 167  | 166  | 166  | 166  | 167  |
| 5                  | 166  | 166  | 166  | 165  | 166  | 166  | 166  | 166  | 166  | 166  | 166  | 166  | 166  | 166  | 166  | 166  | 167  | 166  | 166  |
| 10                 | 164  | 164  | 164  | 164  | 164  | 164  | 164  | 164  | 165  | 165  | 165  | 165  | 165  | 165  | 165  | 165  | 165  | 165  | 165  |
| 15                 | 161  | 161  | 161  | 161  | 161  | 161  | 161  | 162  | 162  | 162  | 162  | 162  | 162  | 162  | 162  | 163  | 163  | 163  | 163  |
| 20                 | 157  | 157  | 157  | 158  | 158  | 158  | 158  | 158  | 158  | 159  | 158  | 159  | 158  | 159  | 159  | 159  | 160  | 160  | 160  |
| 25                 | 152  | 152  | 152  | 152  | 152  | 153  | 153  | 153  | 154  | 154  | 154  | 154  | 153  | 154  | 154  | 155  | 155  | 155  | 155  |
| 30                 | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 147  | 147  | 148  | 148  | 148  | 147  | 148  | 149  | 149  | 149  | 150  | 150  |
| 35                 | 139  | 139  | 139  | 139  | 139  | 139  | 139  | 139  | 140  | 141  | 141  | 140  | 140  | 140  | 141  | 142  | 142  | 143  | 143  |
| 40                 | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 130  | 131  | 132  | 132  | 132  | 131  | 132  | 132  | 133  | 134  | 134  | 135  |
| 45                 | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 121  | 122  | 122  | 122  | 121  | 121  | 122  | 123  | 124  | 124  | 125  |
| 50                 | 109  | 109  | 108  | 109  | 109  | 108  | 108  | 109  | 109  | 111  | 111  | 110  | 110  | 110  | 111  | 112  | 113  | 113  | 113  |
| 55                 | 96.1 | 96.0 | 95.9 | 96.2 | 95.9 | 95.7 | 95.4 | 96.0 | 96.5 | 97.4 | 97.6 | 97.5 | 96.8 | 96.9 | 98.1 | 98.9 | 99.7 | 99.6 | 99.9 |
| 60                 | 82.4 | 82.2 | 82.0 | 82.7 | 81.9 | 81.6 | 81.2 | 81.8 | 82.3 | 83.2 | 83.3 | 83.2 | 82.7 | 82.5 | 83.7 | 84.5 | 85.2 | 84.9 | 85.5 |
| 65                 | 67.5 | 67.6 | 67.2 | 67.8 | 67.0 | 66.7 | 66.2 | 66.8 | 66.9 | 67.8 | 67.7 | 67.6 | 67.3 | 66.9 | 68.1 | 68.9 | 69.7 | 68.4 | 70.2 |
| 70                 | 52.0 | 52.0 | 51.9 | 52.3 | 51.5 | 51.3 | 50.5 | 50.9 | 50.9 | 51.6 | 51.3 | 51.1 | 50.7 | 50.3 | 51.8 | 52.8 | 53.6 | 50.6 | 54.3 |
| 75                 | 36.1 | 36.3 | 36.2 | 36.7 | 36.0 | 35.7 | 35.1 | 35.2 | 34.9 | 35.2 | 34.7 | 34.3 | 34.0 | 33.8 | 35.2 | 36.1 | 37.3 | 34.5 | 38.1 |
| 80                 | 20.9 | 21.2 | 21.4 | 21.7 | 21.3 | 21.1 | 20.5 | 20.4 | 19.8 | 19.8 | 19.2 | 18.7 | 18.1 | 18.3 | 19.7 | 20.5 | 21.5 | 20.3 | 22.5 |
| 85                 | 8.23 | 8.49 | 8.56 | 8.78 | 8.58 | 8.64 | 8.13 | 7.94 | 7.24 | 6.99 | 6.34 | 6.02 | 5.70 | 5.99 | 7.06 | 7.64 | 8.27 | 8.05 | 7.77 |
| 90                 | 1.20 | 1.28 | 1.25 | 1.28 | 1.18 | 1.15 | 0.24 | 1.05 | 1.02 | 1.09 | 1.08 | 1.08 | 0.93 | 0.92 | 0.97 | 0.92 | 0.75 | 0.95 | 0.11 |
| 95                 | 0.13 | 0.15 | 0.15 | 0.15 | 0.15 | 0.16 | 0.13 | 0.18 | 0.25 | 0.22 | 0.24 | 0.19 | 0.16 | 0.22 | 0.18 | 0.24 | 0.17 | 0.15 | 0.13 |
| 100                | 0.15 | 0.18 | 0.17 | 0.21 | 0.19 | 0.21 | 0.19 | 0.22 | 0.20 | 0.22 | 0.19 | 0.21 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.13 | 0.17 |
| 105                | 0.19 | 0.24 | 0.19 | 0.26 | 0.20 | 0.26 | 0.20 | 0.28 | 0.22 | 0.27 | 0.20 | 0.26 | 0.22 | 0.18 | 0.22 | 0.19 | 0.22 | 0.18 | 0.22 |
| 110                | 0.26 | 0.29 | 0.27 | 0.32 | 0.27 | 0.33 | 0.28 | 0.34 | 0.28 | 0.33 | 0.26 | 0.31 | 0.28 | 0.22 | 0.27 | 0.21 | 0.28 | 0.22 | 0.28 |
| 115                | 0.31 | 0.36 | 0.31 | 0.37 | 0.31 | 0.39 | 0.33 | 0.40 | 0.35 | 0.38 | 0.32 | 0.37 | 0.33 | 0.28 | 0.33 | 0.28 | 0.33 | 0.28 | 0.33 |
| 120                | 0.37 | 0.42 | 0.37 | 0.44 | 0.37 | 0.44 | 0.40 | 0.46 | 0.40 | 0.45 | 0.39 | 0.44 | 0.38 | 0.32 | 0.38 | 0.33 | 0.40 | 0.35 | 0.41 |
| 125                | 0.41 | 0.47 | 0.42 | 0.49 | 0.45 | 0.51 | 0.47 | 0.52 | 0.49 | 0.50 | 0.45 | 0.49 | 0.44 | 0.38 | 0.44 | 0.38 | 0.45 | 0.40 | 0.45 |
| 130                | 0.47 | 0.53 | 0.48 | 0.54 | 0.49 | 0.56 | 0.51 | 0.56 | 0.51 | 0.56 | 0.49 | 0.53 | 0.49 | 0.45 | 0.49 | 0.45 | 0.50 | 0.48 | 0.51 |
| 135                | 0.52 | 0.58 | 0.57 | 0.59 | 0.60 | 0.60 | 0.61 | 0.62 | 0.61 | 0.62 | 0.60 | 0.60 | 0.54 | 0.47 | 0.54 | 0.49 | 0.56 | 0.51 | 0.56 |
| 140                | 0.61 | 0.63 | 0.61 | 0.63 | 0.60 | 0.65 | 0.61 | 0.65 | 0.61 | 0.65 | 0.61 | 0.63 | 0.59 | 0.58 | 0.59 | 0.60 | 0.60 | 0.61 | 0.61 |
| 145                | 0.61 | 0.66 | 0.61 | 0.67 | 0.61 | 0.68 | 0.65 | 0.69 | 0.63 | 0.68 | 0.61 | 0.67 | 0.63 | 0.61 | 0.63 | 0.61 | 0.63 | 0.61 | 0.64 |
| 150                | 0.63 | 0.69 | 0.67 | 0.70 | 0.67 | 0.72 | 0.68 | 0.72 | 0.69 | 0.71 | 0.68 | 0.70 | 0.67 | 0.61 | 0.67 | 0.61 | 0.67 | 0.61 | 0.68 |
| 155                | 0.69 | 0.72 | 0.69 | 0.73 | 0.69 | 0.74 | 0.69 | 0.74 | 0.70 | 0.74 | 0.69 | 0.73 | 0.70 | 0.65 | 0.70 | 0.65 | 0.69 | 0.68 | 0.70 |
| 160                | 0.69 | 0.75 | 0.70 | 0.75 | 0.70 | 0.76 | 0.70 | 0.76 | 0.70 | 0.77 | 0.70 | 0.76 | 0.72 | 0.68 | 0.73 | 0.69 | 0.73 | 0.68 | 0.73 |
| 165                | 0.72 | 0.77 | 0.72 | 0.77 | 0.72 | 0.77 | 0.73 | 0.77 | 0.72 | 0.79 | 0.72 | 0.78 | 0.77 | 0.70 | 0.76 | 0.69 | 0.76 | 0.70 | 0.76 |
| 170                | 0.74 | 0.79 | 0.73 | 0.79 | 0.74 | 0.79 | 0.75 | 0.79 | 0.74 | 0.79 | 0.74 | 0.79 | 0.79 | 0.73 | 0.77 | 0.72 | 0.77 | 0.73 | 0.78 |
| 175                | 0.77 | 0.79 | 0.77 | 0.79 | 0.77 | 0.79 | 0.77 | 0.80 | 0.78 | 0.79 | 0.79 | 0.80 | 0.80 | 0.76 | 0.79 | 0.75 | 0.79 | 0.75 | 0.79 |
| 180                | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.80 | 0.79 | 0.79 | 0.79 | 0.80 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.80 |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

| C (DEG)<br>γ (DEG) | 285   | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 166   | 167  | 167  | 167  | 167  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 166   | 167  | 166  | 166  | 166  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 165   | 165  | 165  | 165  | 165  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 163   | 163  | 163  | 163  | 162  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 160   | 160  | 159  | 159  | 158  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 155   | 155  | 155  | 154  | 153  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 150   | 150  | 149  | 148  | 147  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 143   | 143  | 142  | 141  | 140  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 135   | 135  | 134  | 133  | 131  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 125   | 125  | 124  | 123  | 121  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 113   | 114  | 113  | 112  | 110  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 100.0 | 101  | 100  | 99.2 | 97.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 85.5  | 86.6 | 86.2 | 85.4 | 83.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 70.2  | 71.1 | 70.9 | 70.2 | 68.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 54.4  | 55.2 | 54.9 | 54.3 | 52.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 38.3  | 39.0 | 38.8 | 38.2 | 36.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 22.8  | 23.6 | 23.2 | 22.7 | 21.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 9.83  | 10.1 | 10.2 | 9.92 | 9.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 1.27  | 1.70 | 1.71 | 1.78 | 1.41 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.13  | 0.15 | 0.16 | 0.14 | 0.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.13  | 0.17 | 0.15 | 0.16 | 0.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.19  | 0.22 | 0.18 | 0.21 | 0.18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.21  | 0.29 | 0.22 | 0.26 | 0.20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.28  | 0.34 | 0.28 | 0.33 | 0.28 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.35  | 0.39 | 0.34 | 0.38 | 0.33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.39  | 0.45 | 0.39 | 0.45 | 0.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.48  | 0.51 | 0.47 | 0.50 | 0.44 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 0.50  | 0.55 | 0.49 | 0.54 | 0.48 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 0.60  | 0.60 | 0.61 | 0.60 | 0.59 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 0.61  | 0.64 | 0.61 | 0.63 | 0.60 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 0.61  | 0.67 | 0.61 | 0.67 | 0.61 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 0.67  | 0.70 | 0.67 | 0.70 | 0.67 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 0.69  | 0.73 | 0.69 | 0.74 | 0.70 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 0.70  | 0.75 | 0.70 | 0.76 | 0.70 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 0.72  | 0.78 | 0.72 | 0.78 | 0.73 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 0.76  | 0.79 | 0.75 | 0.79 | 0.77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 0.79  | 0.80 | 0.79 | 0.80 | 0.79 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.2DEG  
Operators:Suming Huang  
Test Date:2023-07-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.291  
Humidity:56.8%  
Test Distance:10.149m [K=1.0000]  
Remarks: standard: GB/T 9468-2008

Checker: Suming Huang

Assessor: Lijian Jiang