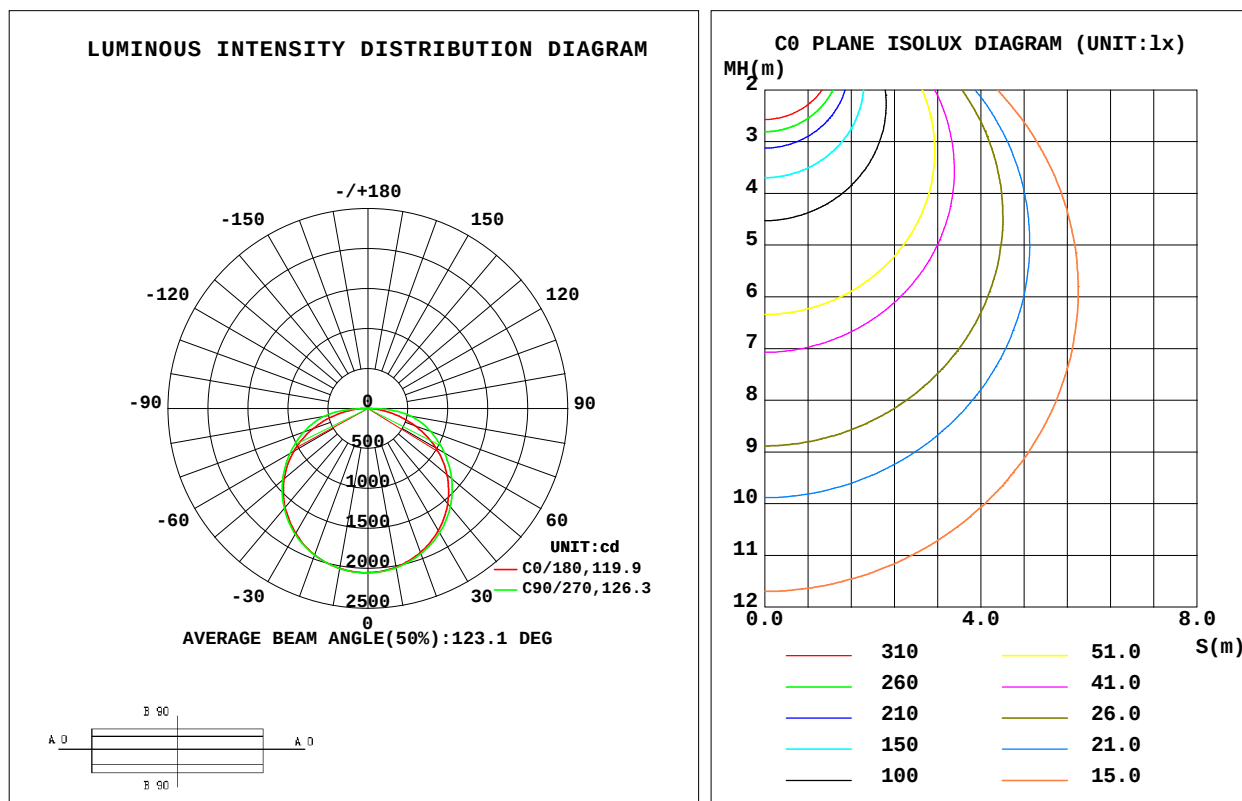


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |

| DATA OF LAMP     |                 | PHOTOMETRIC DATA Eff: 143.92 lm/W |        |                    |          |
|------------------|-----------------|-----------------------------------|--------|--------------------|----------|
| MODEL            | J-T4-S72-3565-S | I <sub>max</sub> (cd)             | 2057   | S/MH(C0/180)       | 1.31     |
| NOMINAL POWER(W) | 50              | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.32     |
| RATED VOLTAGE(V) | 120             | TOTAL FLUX(lm)                    | 6742.3 | h UP, DN(C0-180)   | 0.3,48.6 |
| NOMINAL FLUX(lm) | 6742.34         | CIE CLASS                         | DIRECT | h UP, DN(C180-360) | 0.3,50.8 |
| LAMPS INSIDE     | 1               | h up(%)                           | 0.6    | CIBSE SHR NOM      | 1.50     |
| TEST VOLTAGE(V)  | 120             | h down(%)                         | 99.4   | CIBSE SHR MAX      | 1.50     |



**C Range:** 0 - 360DEG  
**C Interval:** 90.0DEG  
**Test Speed:** HIGH  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**15 May 2025

**α Range:** 0 - 180DEG  
**α Interval:** 1.0DEG  
**Test System:**EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
**Humidity:**65.0%  
**Test Distance:**8.300m [K=1.0000]  
**Remarks:**

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

| g   | C0                    | C90   | C180  | C270  |  |  |  |  | g       | F zone  | F total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|--|--|--|--|---------|---------|---------|------------|
| 10  | 2015                  | 2023  | 2030  | 2032  |  |  |  |  | 0- 10   | 194.7   | 194.7   | 2.89, 2.89 |
| 20  | 1917                  | 1933  | 1949  | 1952  |  |  |  |  | 10- 20  | 561.7   | 756.4   | 11.2, 11.2 |
| 30  | 1761                  | 1794  | 1804  | 1817  |  |  |  |  | 20- 30  | 863.9   | 1620    | 24, 24     |
| 40  | 1551                  | 1603  | 1614  | 1630  |  |  |  |  | 30- 40  | 1066    | 2686    | 39.8, 39.8 |
| 50  | 1289                  | 1368  | 1369  | 1394  |  |  |  |  | 40- 50  | 1145    | 3831    | 56.8, 56.8 |
| 60  | 979.9                 | 1102  | 1071  | 1127  |  |  |  |  | 50- 60  | 1088    | 4919    | 73, 73     |
| 70  | 623.7                 | 829.6 | 725.7 | 852.9 |  |  |  |  | 60- 70  | 906.6   | 5826    | 86.4, 86.4 |
| 80  | 250.9                 | 542.2 | 353.6 | 553.0 |  |  |  |  | 70- 80  | 626.7   | 6452    | 95.7, 95.7 |
| 90  | 8.665                 | 60.53 | 47.02 | 29.06 |  |  |  |  | 80- 90  | 250.5   | 6703    | 99.4, 99.4 |
| 100 | 3.255                 | 3.759 | 3.760 | 4.108 |  |  |  |  | 90-100  | 7.215   | 6710    | 99.5, 99.5 |
| 110 | 4.537                 | 5.356 | 4.984 | 5.166 |  |  |  |  | 100-110 | 4.601   | 6715    | 99.6, 99.6 |
| 120 | 5.406                 | 6.407 | 5.958 | 6.009 |  |  |  |  | 110-120 | 5.472   | 6720    | 99.7, 99.7 |
| 130 | 5.904                 | 6.659 | 6.691 | 6.663 |  |  |  |  | 120-130 | 5.589   | 6726    | 99.8, 99.8 |
| 140 | 6.281                 | 7.015 | 7.303 | 7.254 |  |  |  |  | 130-140 | 5.187   | 6731    | 99.8, 99.8 |
| 150 | 6.883                 | 7.864 | 7.868 | 7.794 |  |  |  |  | 140-150 | 4.565   | 6735    | 99.9, 99.9 |
| 160 | 7.338                 | 9.245 | 8.354 | 8.500 |  |  |  |  | 150-160 | 3.688   | 6739    | 100, 100   |
| 170 | 7.584                 | 9.291 | 8.119 | 9.008 |  |  |  |  | 160-170 | 2.392   | 6742    | 100, 100   |
| 180 | 7.794                 | 9.108 | 7.820 | 9.108 |  |  |  |  | 170-180 | 0.8102  | 6742    | 100, 100   |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |         | UNIT:lm |         |            |

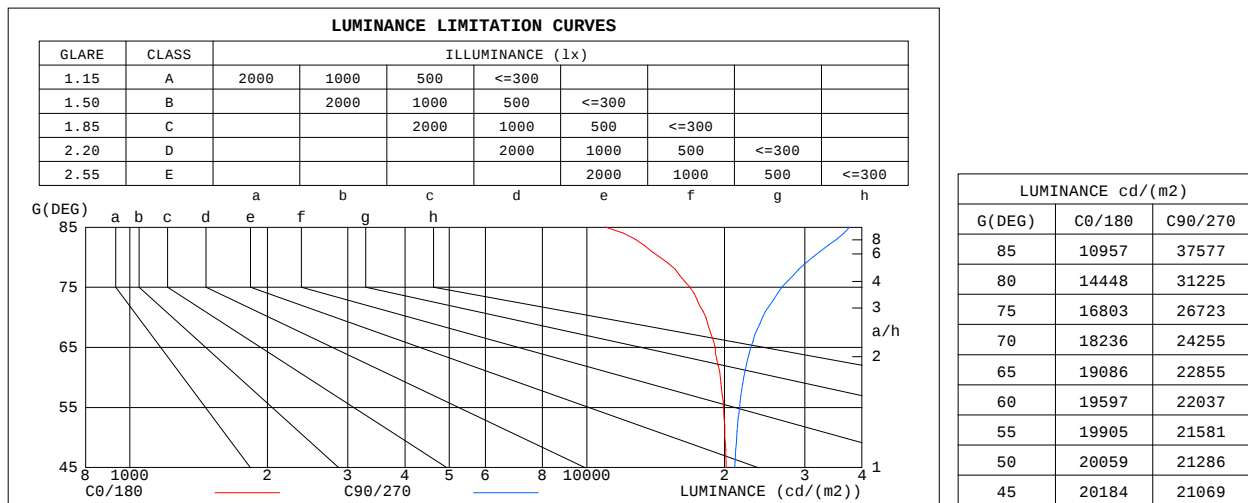
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LUMINANCE LIMITATION CURVES

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

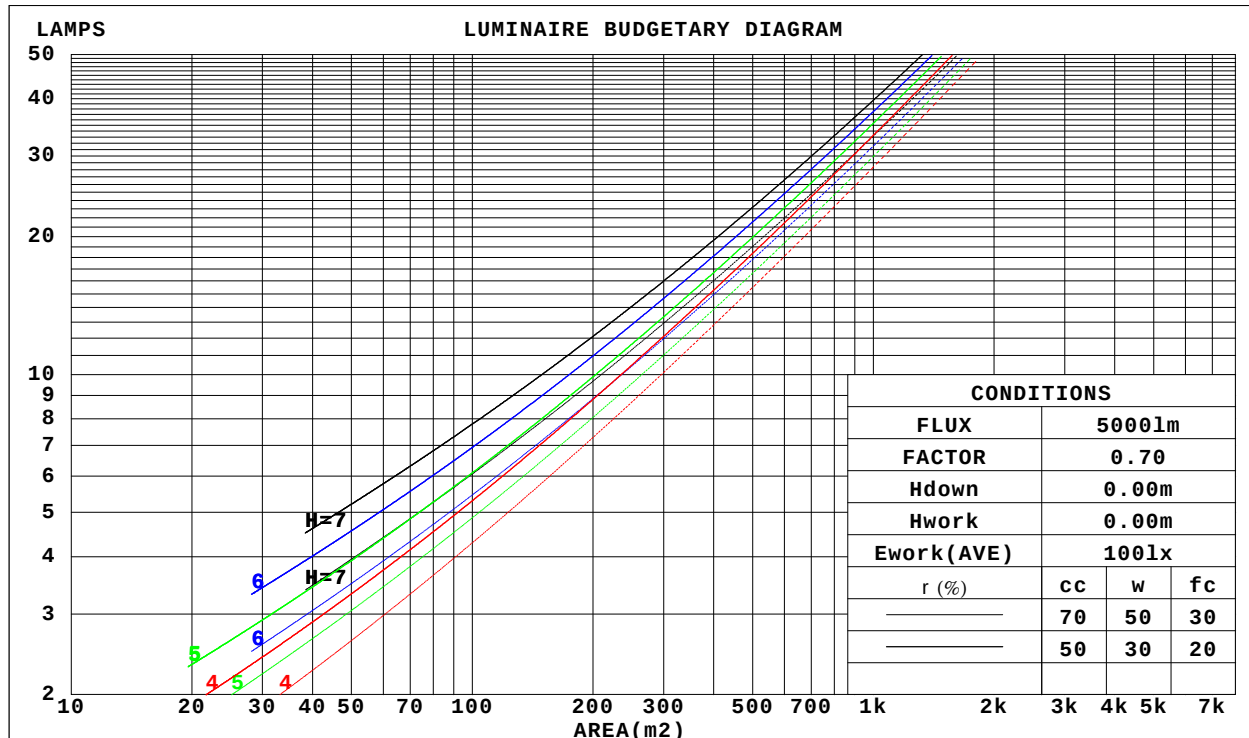
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |

| r cc | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
|------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| r w  | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r fc | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR  | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:15 May 2025

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

|                                                                                  |  |  |                |  |                  |
|----------------------------------------------------------------------------------|--|--|----------------|--|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |  |  |                |  |                  |
| NAME: 太空灯盘2*4                                                                    |  |  | TYPE:50w 5700k |  | WEIGHT:          |
| SPEC.:                                                                           |  |  | DIM.:          |  | SERIAL No.:      |
| MFR.:                                                                            |  |  | SUR.:          |  | Shielding Angle: |

| r c c | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| r w   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| r f c | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RCR   | RCR:Room Cavity Ratio |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Wall Exitance Coefficients(WEC) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0   |                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0   | .345                  | .196 | .062 | .337 | .192 | .061 | .324 | .186 | .059 | .311 | .179 | .058 | .299 | .173 | .056 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0   | .315                  | .173 | .053 | .309 | .170 | .052 | .297 | .165 | .051 | .285 | .160 | .050 | .275 | .155 | .049 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0   | .287                  | .153 | .046 | .281 | .151 | .045 | .271 | .147 | .045 | .261 | .143 | .044 | .251 | .139 | .043 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0   | .262                  | .136 | .040 | .257 | .135 | .040 | .247 | .131 | .039 | .238 | .128 | .039 | .230 | .125 | .038 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0   | .240                  | .123 | .035 | .236 | .121 | .035 | .227 | .118 | .035 | .219 | .116 | .034 | .212 | .113 | .034 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0   | .222                  | .111 | .032 | .218 | .110 | .032 | .210 | .108 | .031 | .203 | .105 | .031 | .196 | .103 | .031 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0   | .205                  | .102 | .029 | .202 | .101 | .029 | .195 | .099 | .028 | .189 | .097 | .028 | .183 | .095 | .028 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0   | .191                  | .093 | .026 | .188 | .092 | .026 | .182 | .091 | .026 | .176 | .089 | .026 | .171 | .088 | .026 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0   | .179                  | .086 | .024 | .176 | .086 | .024 | .170 | .084 | .024 | .165 | .083 | .024 | .160 | .081 | .024 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0  | .167                  | .080 | .022 | .165 | .080 | .022 | .160 | .078 | .022 | .155 | .077 | .022 | .151 | .076 | .022 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| r c c | 80%                   |      |      | 70%                                        |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------|-----------------------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| r w   | 50%                   | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| r f c | 20%                   |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR   | RCR:Room Cavity Ratio |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0   | .195                  | .195 | .195 | .167                                       | .167 | .167 | .114 | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0   | .187                  | .160 | .136 | .160                                       | .138 | .117 | .110 | .095 | .081 | .063 | .055 | .047 | .020 | .018 | .015 |   |
| 2.0   | .180                  | .136 | .100 | .154                                       | .117 | .086 | .106 | .081 | .060 | .061 | .047 | .035 | .020 | .015 | .011 |   |
| 3.0   | .172                  | .119 | .076 | .148                                       | .103 | .066 | .101 | .071 | .046 | .059 | .042 | .027 | .019 | .014 | .009 |   |
| 4.0   | .165                  | .106 | .061 | .141                                       | .091 | .053 | .097 | .064 | .037 | .056 | .037 | .022 | .018 | .012 | .007 |   |
| 5.0   | .157                  | .096 | .050 | .135                                       | .083 | .044 | .093 | .058 | .031 | .054 | .034 | .018 | .017 | .011 | .006 |   |
| 6.0   | .150                  | .087 | .043 | .129                                       | .076 | .037 | .089 | .053 | .026 | .051 | .031 | .016 | .017 | .010 | .005 |   |
| 7.0   | .142                  | .080 | .037 | .123                                       | .070 | .032 | .085 | .049 | .023 | .049 | .029 | .014 | .016 | .009 | .004 |   |
| 8.0   | .136                  | .075 | .033 | .117                                       | .065 | .028 | .081 | .045 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 9.0   | .130                  | .070 | .029 | .112                                       | .060 | .026 | .077 | .043 | .018 | .045 | .025 | .011 | .015 | .008 | .004 |   |
| 10.0  | .124                  | .065 | .027 | .107                                       | .057 | .023 | .074 | .040 | .017 | .043 | .024 | .010 | .014 | .008 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:15 May 2025

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |      |      |                |               |                |                  |      |      |      |
|----------------------------------------------------------------------------------|---------------|------------------|------|------|----------------|---------------|----------------|------------------|------|------|------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |               |                  |      |      |                |               |                |                  |      |      |      |
| NAME: 太空灯盘2*4                                                                    |               |                  |      |      | TYPE:50w 5700k |               |                | WEIGHT:          |      |      |      |
| SPEC.:                                                                           |               |                  |      |      | DIM.:          |               |                | SERIAL No.:      |      |      |      |
| MFR.:                                                                            |               |                  |      |      | SUR.:          |               |                | 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                                                                    | 23.1          | 24.7             | 23.4 | 24.9 | 25.2           | 23.5          | 25.1           | 23.8             | 25.3 | 25.6 |      |
|                                                                                  | 3H            | 24.8             | 26.2 | 25.1 | 26.5           | 26.7          | 25.6           | 27.1             | 25.9 | 27.3 | 27.6 |
|                                                                                  | 4H            | 25.4             | 26.8 | 25.8 | 27.1           | 27.4          | 26.6           | 28.0             | 26.9 | 28.3 | 28.6 |
|                                                                                  | 6H            | 25.9             | 27.2 | 26.2 | 27.5           | 27.8          | 27.6           | 29.0             | 28.0 | 29.3 | 29.5 |
|                                                                                  | 8H            | 26.0             | 27.3 | 26.4 | 27.6           | 27.9          | 28.1           | 29.4             | 28.5 | 29.7 | 30.0 |
|                                                                                  | 12H           | 26.1             | 27.3 | 26.4 | 27.6           | 27.9          | 28.5           | 29.8             | 28.9 | 30.1 | 30.4 |
| 4H                                                                               | 2H            | 23.9             | 25.3 | 24.2 | 25.6           | 25.8          | 24.2           | 25.6             | 24.5 | 25.9 | 26.1 |
|                                                                                  | 3H            | 25.7             | 27.0 | 26.1 | 27.3           | 27.6          | 26.4           | 27.7             | 26.8 | 28.0 | 28.3 |
|                                                                                  | 4H            | 26.5             | 27.7 | 26.9 | 28.0           | 28.4          | 27.6           | 28.7             | 28.0 | 29.1 | 29.4 |
|                                                                                  | 6H            | 27.1             | 28.2 | 27.6 | 28.5           | 28.9          | 28.8           | 29.8             | 29.2 | 30.2 | 30.6 |
|                                                                                  | 8H            | 27.3             | 28.3 | 27.8 | 28.7           | 29.1          | 29.4           | 30.3             | 29.8 | 30.7 | 31.1 |
|                                                                                  | 12H           | 27.4             | 28.3 | 27.9 | 28.7           | 29.1          | 29.9           | 30.8             | 30.3 | 31.2 | 31.6 |
| 8H                                                                               | 4H            | 27.0             | 28.0 | 27.4 | 28.3           | 28.7          | 27.9           | 28.9             | 28.4 | 29.3 | 29.7 |
|                                                                                  | 6H            | 27.8             | 28.6 | 28.3 | 29.0           | 29.5          | 29.3           | 30.1             | 29.8 | 30.5 | 31.0 |
|                                                                                  | 8H            | 28.1             | 28.8 | 28.6 | 29.3           | 29.7          | 30.0           | 30.7             | 30.5 | 31.2 | 31.6 |
|                                                                                  | 12H           | 28.3             | 29.0 | 28.8 | 29.4           | 29.9          | 30.7           | 31.3             | 31.2 | 31.8 | 32.3 |
| 12H                                                                              | 4H            | 27.1             | 28.0 | 27.5 | 28.4           | 28.8          | 28.0           | 28.8             | 28.4 | 29.2 | 29.7 |
|                                                                                  | 6H            | 28.0             | 28.7 | 28.5 | 29.1           | 29.6          | 29.4           | 30.1             | 29.9 | 30.6 | 31.0 |
|                                                                                  | 8H            | 28.4             | 29.0 | 28.9 | 29.5           | 29.9          | 30.2           | 30.8             | 30.7 | 31.3 | 31.7 |
| Variations with the observer position at spacings:                               |               |                  |      |      |                |               |                |                  |      |      |      |
| S = 1.0H                                                                         | + 0.1 / - 0.2 |                  |      |      |                | + 0.1 / - 0.1 |                |                  |      |      |      |
| 1.5H                                                                             | + 0.2 / - 0.3 |                  |      |      |                | + 0.2 / - 0.2 |                |                  |      |      |      |
| 2.0H                                                                             | + 0.1 / - 0.4 |                  |      |      |                | + 0.1 / - 0.3 |                |                  |      |      |      |

CIE Pub.117, 6742 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.6$ )

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### UTILIZATION FACTORS TABLE

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | 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                         | 55                                                  | 43  | 36        | 54  | 43  | 36  | 53  | 42            | 35  | 29     |
| 0.80                             | 65                                                  | 53  | 45        | 64  | 52  | 45  | 62  | 51            | 44  | 37     |
| 1.00                             | 73                                                  | 61  | 53        | 72  | 61  | 53  | 69  | 62            | 53  | 45     |
| 1.25                             | 80                                                  | 69  | 61        | 79  | 68  | 61  | 76  | 67            | 60  | 52     |
| 1.50                             | 85                                                  | 75  | 67        | 84  | 74  | 67  | 80  | 72            | 65  | 57     |
| 2.00                             | 92                                                  | 83  | 76        | 90  | 82  | 75  | 87  | 79            | 74  | 65     |
| 2.50                             | 97                                                  | 88  | 81        | 94  | 87  | 81  | 90  | 84            | 79  | 70     |
| 3.00                             | 100                                                 | 93  | 86        | 98  | 91  | 85  | 94  | 88            | 83  | 74     |
| 4.00                             | 104                                                 | 98  | 93        | 102 | 96  | 91  | 97  | 93            | 89  | 79     |
| 5.00                             | 107                                                 | 102 | 97        | 105 | 100 | 96  | 100 | 96            | 92  | 83     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

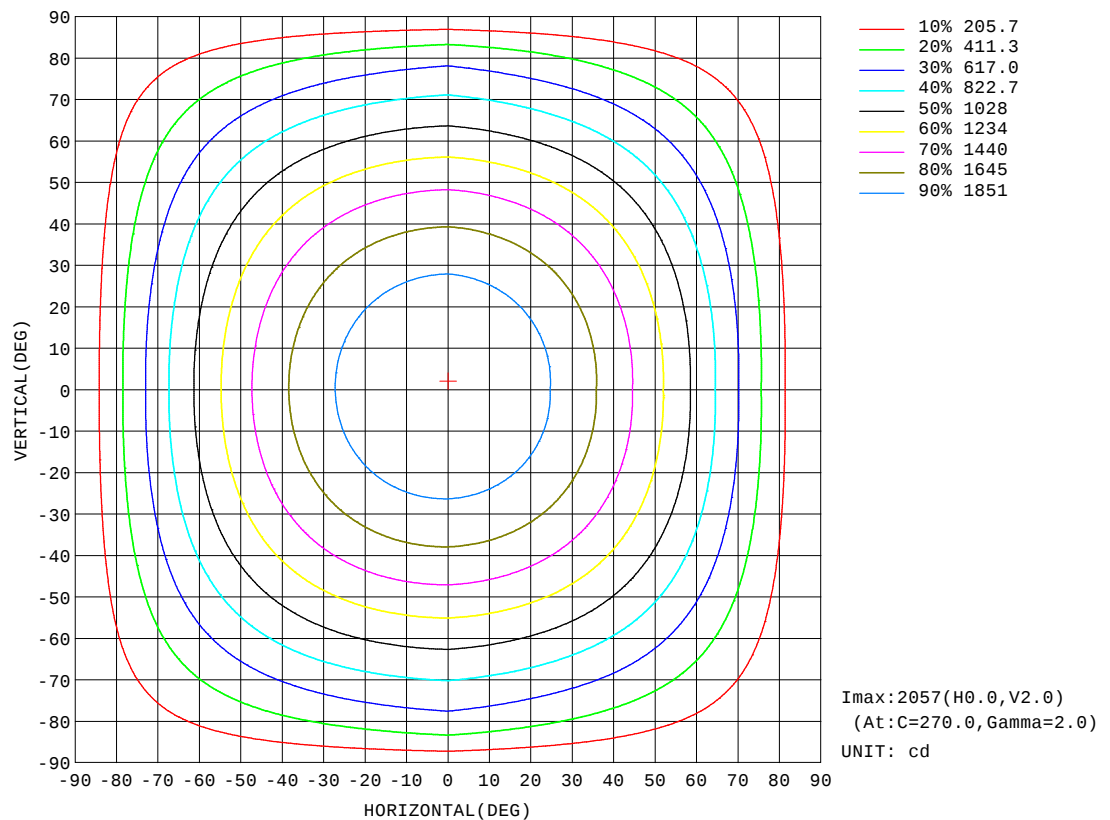
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:15 May 2025

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0000]  
 Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOCANDELA DIAGRAM

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |



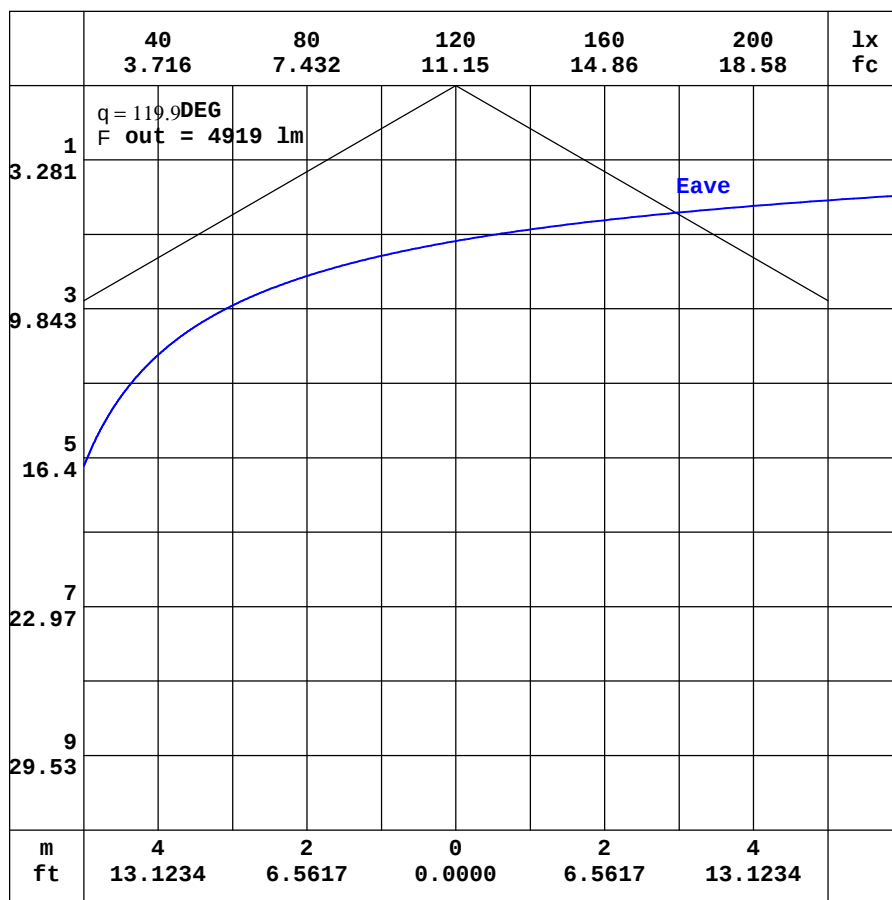
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### AAI CURVES

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |



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

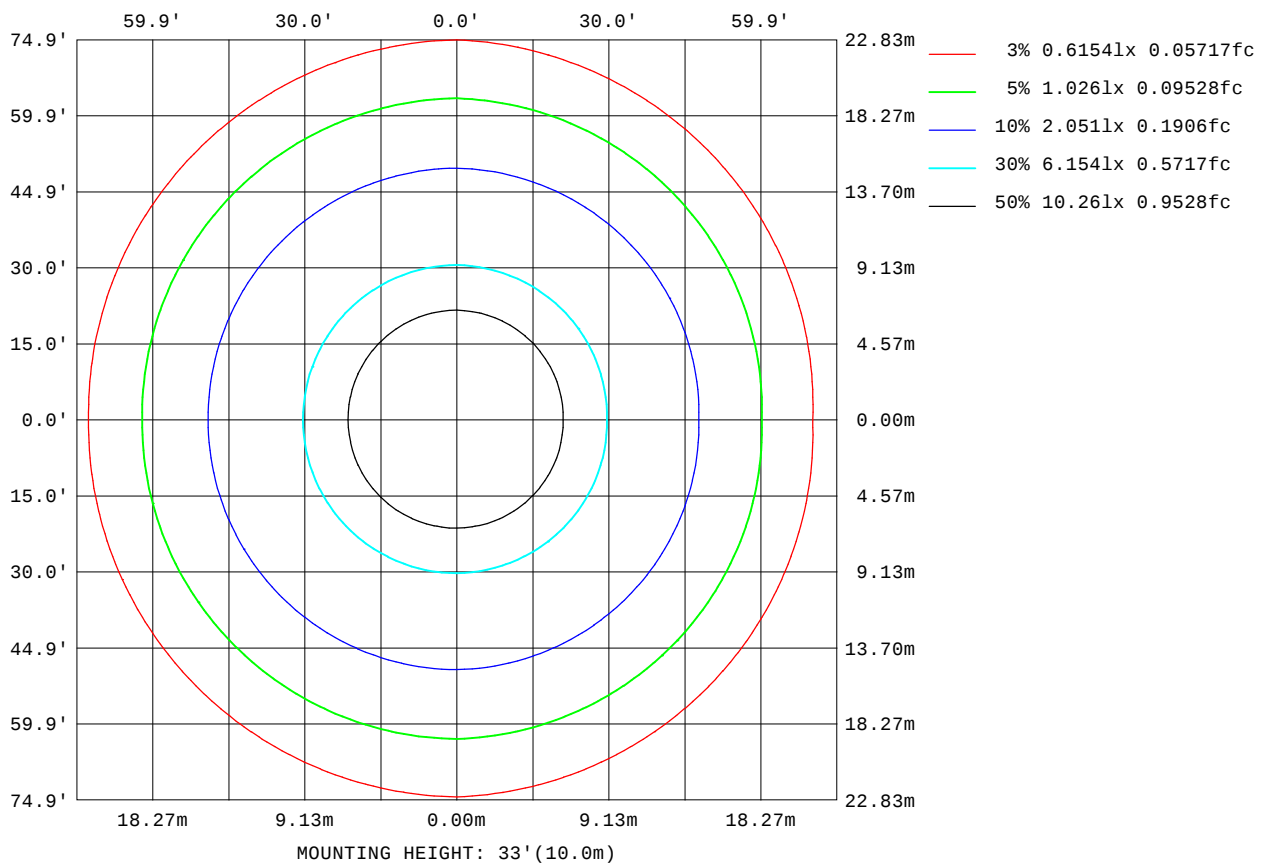
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 8.300m [K=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOLUX DIAGRAM

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 8.300m [K=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LED Avg.L Report

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |

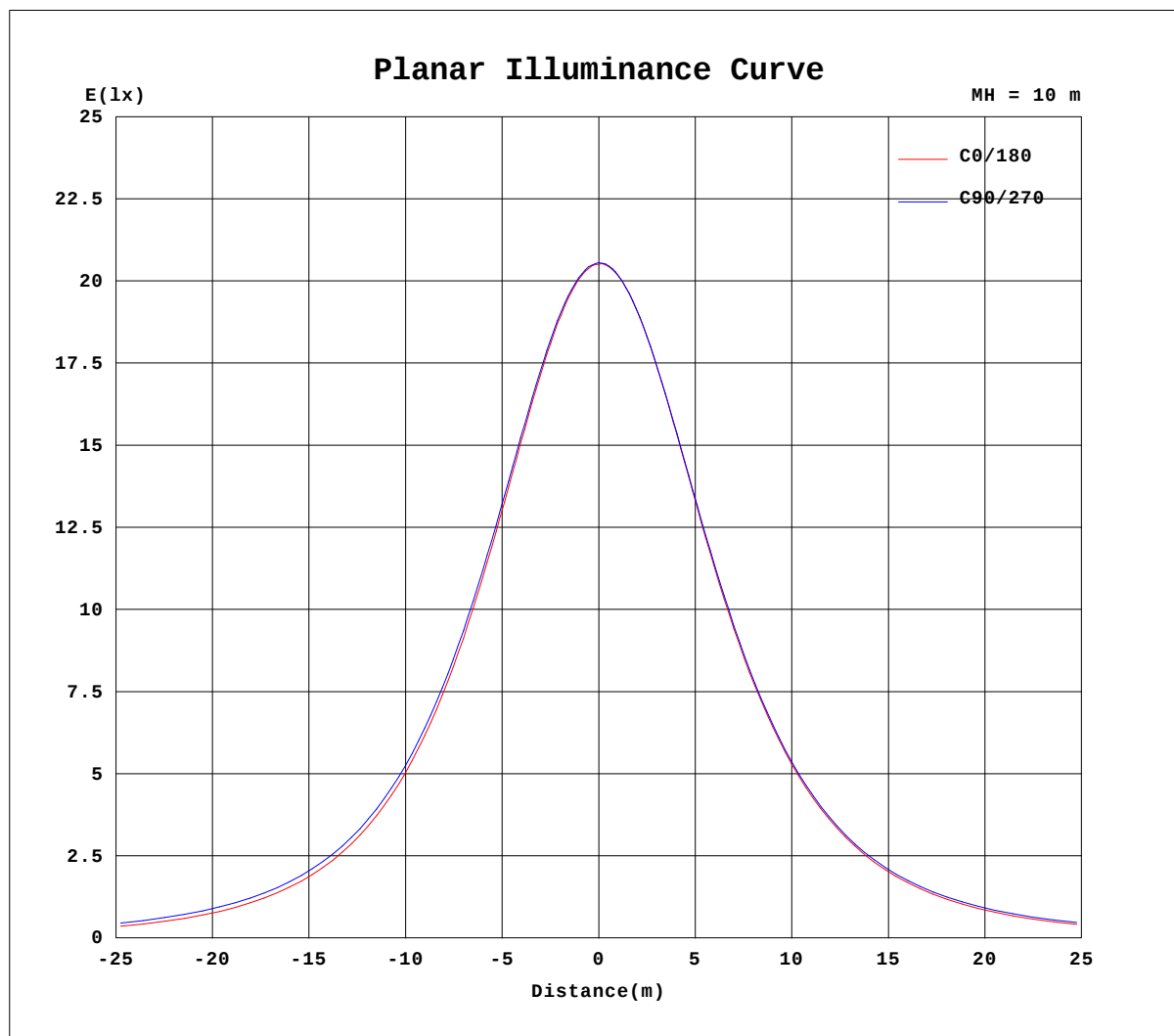
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 20241 |
| L_0~180(75)av  | 18833 |
| L_0~180(85)av  | 15732 |
| L_90~270(65)av | 23139 |
| L_90~270(75)av | 27102 |
| L_90~270(85)av | 36864 |
| L_45(65)av     | 22124 |
| L_45(75)av     | 24128 |
| L_45(85)av     | 29238 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 8.300m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                |                  |
|----------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.06V I:0.3930A P:46.847W PF:0.9929 Freq:59.98Hz Lamp Flux:6742.34x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                    | TYPE:50w 5700k | WEIGHT:          |
| SPEC.:                                                                           | DIM.:          | SERIAL No.:      |
| MFR.:                                                                            | SUR.:          | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 2051 | 2056 | 2051 | 2056 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 2041 | 2046 | 2049 | 2052 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 2015 | 2023 | 2030 | 2032 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 1973 | 1985 | 1997 | 1999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 1917 | 1933 | 1949 | 1952 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 1846 | 1870 | 1886 | 1892 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 1761 | 1794 | 1804 | 1817 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 1662 | 1704 | 1714 | 1730 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 1551 | 1603 | 1614 | 1630 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 1427 | 1490 | 1499 | 1518 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 1289 | 1368 | 1369 | 1394 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 1142 | 1238 | 1226 | 1264 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 980  | 1102 | 1071 | 1127 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 807  | 966  | 904  | 990  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 624  | 830  | 726  | 853  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 435  | 692  | 540  | 711  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 251  | 542  | 354  | 553  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 95.5 | 328  | 179  | 315  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 8.67 | 60.5 | 47.0 | 29.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 2.73 | 3.29 | 3.14 | 3.57 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 3.25 | 3.76 | 3.76 | 4.11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 3.89 | 4.47 | 4.38 | 4.65 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 4.54 | 5.36 | 4.98 | 5.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 5.03 | 6.00 | 5.51 | 5.62 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 5.41 | 6.41 | 5.96 | 6.01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 5.71 | 6.59 | 6.34 | 6.35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 5.90 | 6.66 | 6.69 | 6.66 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 6.04 | 6.77 | 7.01 | 6.96 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 6.28 | 7.01 | 7.30 | 7.25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 6.67 | 7.36 | 7.59 | 7.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 6.88 | 7.86 | 7.87 | 7.79 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 7.10 | 8.58 | 8.14 | 8.12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 7.34 | 9.24 | 8.35 | 8.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 7.42 | 9.29 | 8.25 | 8.85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 7.58 | 9.29 | 8.12 | 9.01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 7.68 | 9.20 | 7.95 | 9.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 7.79 | 9.11 | 7.82 | 9.11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

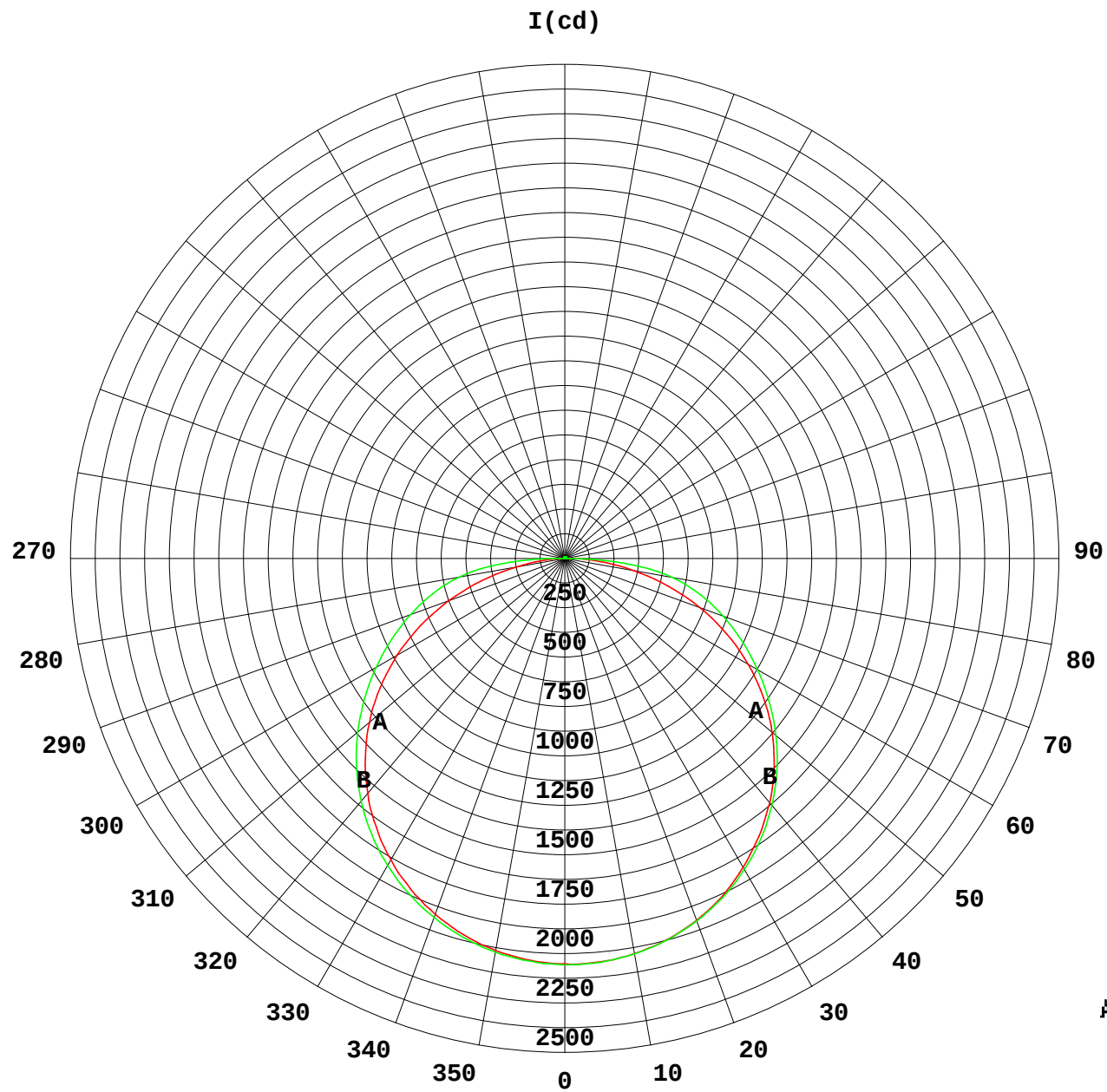
# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## Photometric Data Table [cd]

| G/C   | 0.0   | 90.0  | 180.0 | 270.0 |
|-------|-------|-------|-------|-------|
| 0.0   | 2051  | 2056  | 2051  | 2056  |
| 3.0   | 2047  | 2052  | 2053  | 2055  |
| 6.0   | 2038  | 2043  | 2047  | 2048  |
| 9.0   | 2022  | 2029  | 2037  | 2037  |
| 12.0  | 2000  | 2010  | 2018  | 2020  |
| 15.0  | 1973  | 1985  | 1997  | 1999  |
| 18.0  | 1940  | 1956  | 1969  | 1972  |
| 21.0  | 1902  | 1922  | 1937  | 1941  |
| 24.0  | 1862  | 1884  | 1900  | 1904  |
| 27.0  | 1814  | 1842  | 1855  | 1864  |
| 30.0  | 1761  | 1794  | 1804  | 1817  |
| 33.0  | 1705  | 1741  | 1751  | 1768  |
| 36.0  | 1642  | 1685  | 1694  | 1711  |
| 39.0  | 1577  | 1624  | 1634  | 1650  |
| 42.0  | 1504  | 1559  | 1569  | 1586  |
| 45.0  | 1427  | 1490  | 1499  | 1518  |
| 48.0  | 1349  | 1418  | 1422  | 1445  |
| 51.0  | 1262  | 1342  | 1343  | 1369  |
| 54.0  | 1173  | 1264  | 1256  | 1290  |
| 57.0  | 1078  | 1183  | 1167  | 1209  |
| 60.0  | 979.9 | 1102  | 1071  | 1127  |
| 63.0  | 874.3 | 1020  | 973.7 | 1045  |
| 66.0  | 770.3 | 938.8 | 868.4 | 961.8 |
| 69.0  | 658.1 | 858.3 | 764.0 | 879.8 |
| 72.0  | 545.6 | 776.0 | 653.3 | 796.6 |
| 75.0  | 434.9 | 691.6 | 540.0 | 711.3 |
| 78.0  | 324.4 | 605.1 | 428.8 | 619.4 |
| 81.0  | 216.7 | 506.9 | 317.3 | 516.9 |
| 84.0  | 125.6 | 381.6 | 210.9 | 369.8 |
| 87.0  | 50.22 | 220.9 | 118.4 | 197.7 |
| 90.0  | 8.665 | 60.53 | 47.02 | 29.06 |
| 93.0  | 2.538 | 3.100 | 7.470 | 3.388 |
| 96.0  | 2.831 | 3.393 | 3.242 | 3.679 |
| 99.0  | 3.150 | 3.660 | 3.624 | 4.009 |
| 102.0 | 3.501 | 3.995 | 4.022 | 4.328 |
| 105.0 | 3.888 | 4.467 | 4.383 | 4.648 |
| 108.0 | 4.275 | 5.022 | 4.739 | 4.967 |
| 111.0 | 4.652 | 5.513 | 5.094 | 5.260 |
| 114.0 | 4.951 | 5.890 | 5.414 | 5.527 |
| 117.0 | 5.171 | 6.193 | 5.701 | 5.783 |
| 120.0 | 5.406 | 6.407 | 5.958 | 6.009 |
| 123.0 | 5.590 | 6.543 | 6.188 | 6.229 |
| 126.0 | 5.742 | 6.622 | 6.413 | 6.422 |
| 129.0 | 5.868 | 6.643 | 6.623 | 6.595 |
| 132.0 | 5.952 | 6.695 | 6.811 | 6.773 |
| 135.0 | 6.035 | 6.769 | 7.010 | 6.962 |
| 138.0 | 6.171 | 6.905 | 7.188 | 7.124 |
| 141.0 | 6.338 | 7.062 | 7.356 | 7.302 |
| 144.0 | 6.574 | 7.266 | 7.543 | 7.464 |
| 147.0 | 6.784 | 7.544 | 7.706 | 7.621 |
| 150.0 | 6.883 | 7.864 | 7.868 | 7.794 |
| 153.0 | 6.998 | 8.262 | 8.031 | 7.998 |
| 156.0 | 7.165 | 8.738 | 8.203 | 8.207 |
| 159.0 | 7.297 | 9.177 | 8.354 | 8.427 |
| 162.0 | 7.360 | 9.292 | 8.328 | 8.647 |
| 165.0 | 7.422 | 9.291 | 8.254 | 8.851 |
| 168.0 | 7.517 | 9.291 | 8.171 | 8.946 |
| 171.0 | 7.595 | 9.291 | 8.087 | 9.024 |
| 174.0 | 7.668 | 9.254 | 8.003 | 9.056 |
| 177.0 | 7.695 | 9.129 | 7.878 | 9.072 |
| 180.0 | 7.794 | 9.108 | 7.820 | 9.108 |

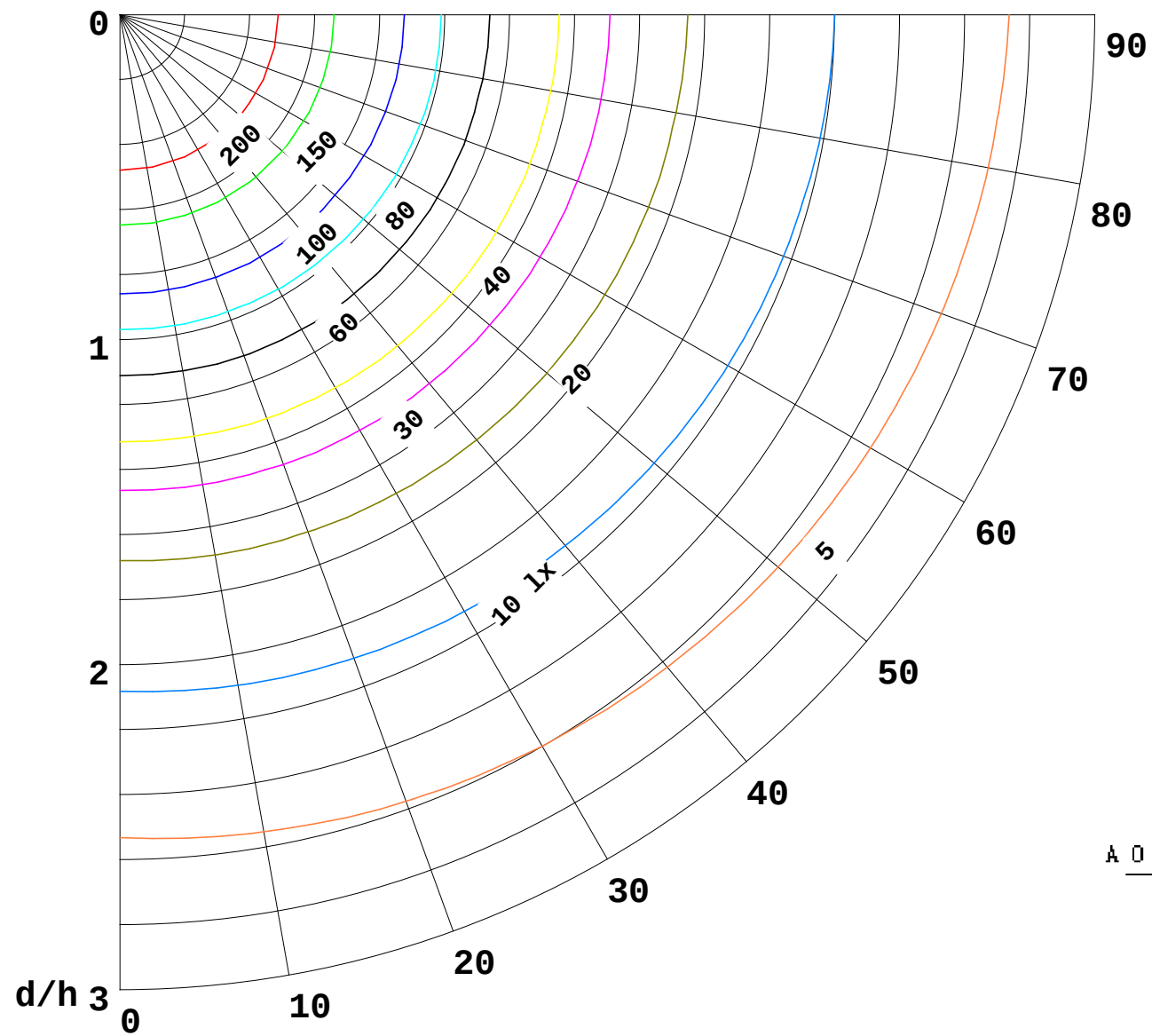
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 15 May 2025

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity: 65.0%  
 Test Distance: 8.300m [K=1.0000]  
 Remarks:



1000 lm

$K = 1$



F = 5000 lm  
K = 0.7  
Hcc = 0.0 m  
Hfc = 0.0 m  
Eave = 100 lx

|       | Pcc | Pw | Pfc |
|-------|-----|----|-----|
| _____ | 70  | 50 | 30  |
| _____ | 50  | 30 | 20  |

