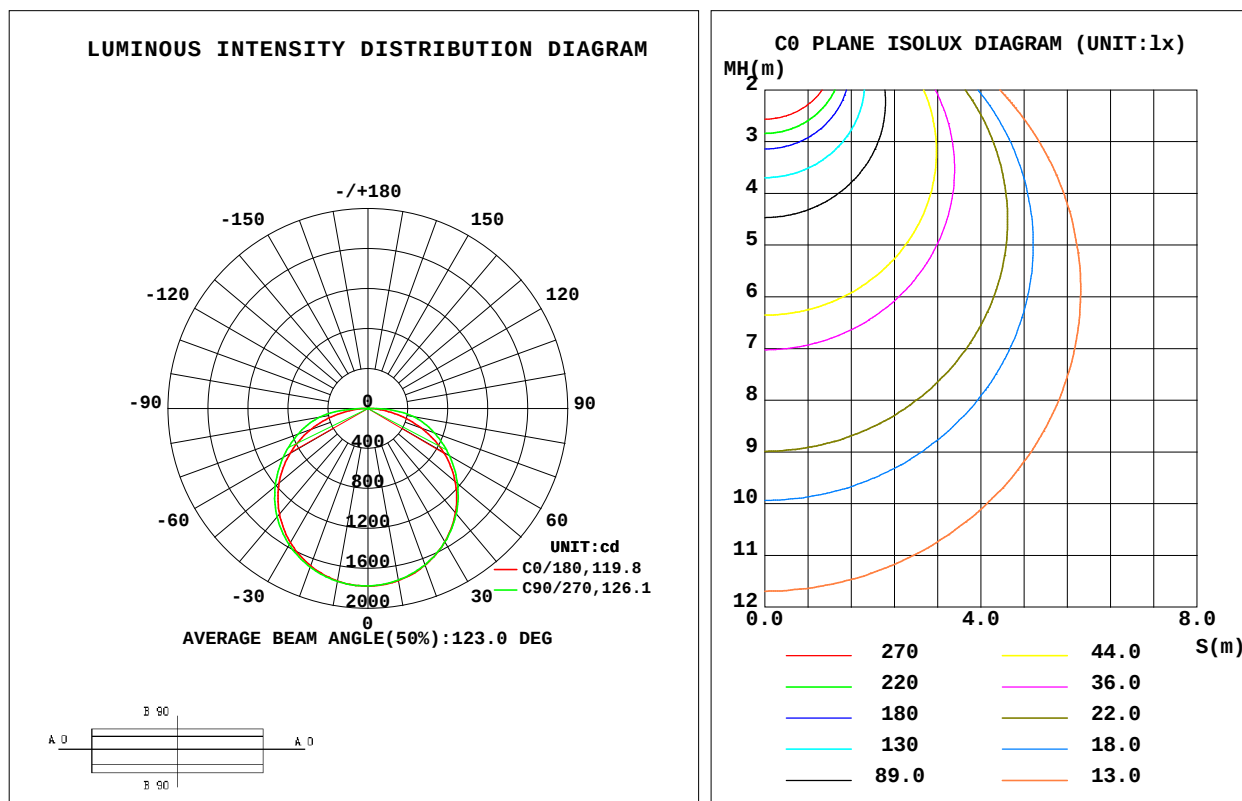


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                              |                |                  |
|------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | WEIGHT:          |
| SPEC.:                                                                       | DIM.:          | SERIAL No.:      |
| MFR.:                                                                        | SUR.:          | Shielding Angle: |

| DATA OF LAMP     |                 | PHOTOMETRIC DATA Eff: 154.23 lm/W |        |                    |          |
|------------------|-----------------|-----------------------------------|--------|--------------------|----------|
| MODEL            | J-T4-S72-3565-S | I <sub>max</sub> (cd)             | 1778   | S/MH(C0/180)       | 1.30     |
| NOMINAL POWER(W) | 40              | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.32     |
| RATED VOLTAGE(V) | 120             | TOTAL FLUX(lm)                    | 5819.5 | h UP, DN(C0-180)   | 0.3,49.0 |
| NOMINAL FLUX(lm) | 5819.45         | CIE CLASS                         | DIRECT | h UP, DN(C180-360) | 0.3,50.5 |
| LAMPS INSIDE     | 1               | h up(%)                           | 0.5    | CIBSE SHR NOM      | 1.50     |
| TEST VOLTAGE(V)  | 120             | h down(%)                         | 99.5   | 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  | 1748                  | 1744  | 1753  | 1756  |  |  |  |  | 0- 10   | 168.3   | 168.3   | 2.89, 2.89 |
| 20  | 1670                  | 1666  | 1675  | 1689  |  |  |  |  | 10- 20  | 485.4   | 653.7   | 11.2, 11.2 |
| 30  | 1540                  | 1541  | 1550  | 1577  |  |  |  |  | 20- 30  | 746.8   | 1401    | 24.1, 24.1 |
| 40  | 1363                  | 1375  | 1377  | 1415  |  |  |  |  | 30- 40  | 921.9   | 2322    | 39.9, 39.9 |
| 50  | 1137                  | 1170  | 1162  | 1213  |  |  |  |  | 40- 50  | 989.1   | 3312    | 56.9, 56.9 |
| 60  | 871.6                 | 939.0 | 900.8 | 981.1 |  |  |  |  | 50- 60  | 939.4   | 4251    | 73, 73     |
| 70  | 565.3                 | 703.2 | 600.1 | 742.1 |  |  |  |  | 60- 70  | 781.9   | 5033    | 86.5, 86.5 |
| 80  | 239.3                 | 457.4 | 279.1 | 484.6 |  |  |  |  | 70- 80  | 539.6   | 5572    | 95.8, 95.8 |
| 90  | 13.42                 | 42.57 | 29.42 | 35.67 |  |  |  |  | 80- 90  | 215.9   | 5788    | 99.5, 99.5 |
| 100 | 2.229                 | 2.765 | 2.990 | 2.983 |  |  |  |  | 90-100  | 5.484   | 5794    | 99.6, 99.6 |
| 110 | 3.318                 | 4.215 | 4.063 | 3.920 |  |  |  |  | 100-110 | 3.486   | 5797    | 99.6, 99.6 |
| 120 | 4.103                 | 5.083 | 4.859 | 4.653 |  |  |  |  | 110-120 | 4.279   | 5802    | 99.7, 99.7 |
| 130 | 4.590                 | 5.292 | 5.471 | 5.234 |  |  |  |  | 120-130 | 4.422   | 5806    | 99.8, 99.8 |
| 140 | 4.925                 | 5.596 | 6.020 | 5.757 |  |  |  |  | 130-140 | 4.134   | 5810    | 99.8, 99.8 |
| 150 | 5.548                 | 6.340 | 6.486 | 6.255 |  |  |  |  | 140-150 | 3.675   | 5814    | 99.9, 99.9 |
| 160 | 5.962                 | 7.528 | 6.936 | 6.857 |  |  |  |  | 150-160 | 2.997   | 5817    | 100, 100   |
| 170 | 6.203                 | 7.575 | 6.763 | 7.302 |  |  |  |  | 160-170 | 1.957   | 5819    | 100, 100   |
| 180 | 6.433                 | 7.428 | 6.491 | 7.381 |  |  |  |  | 170-180 | 0.6640  | 5819    | 100, 100   |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |         | UNIT:lm |         |            |

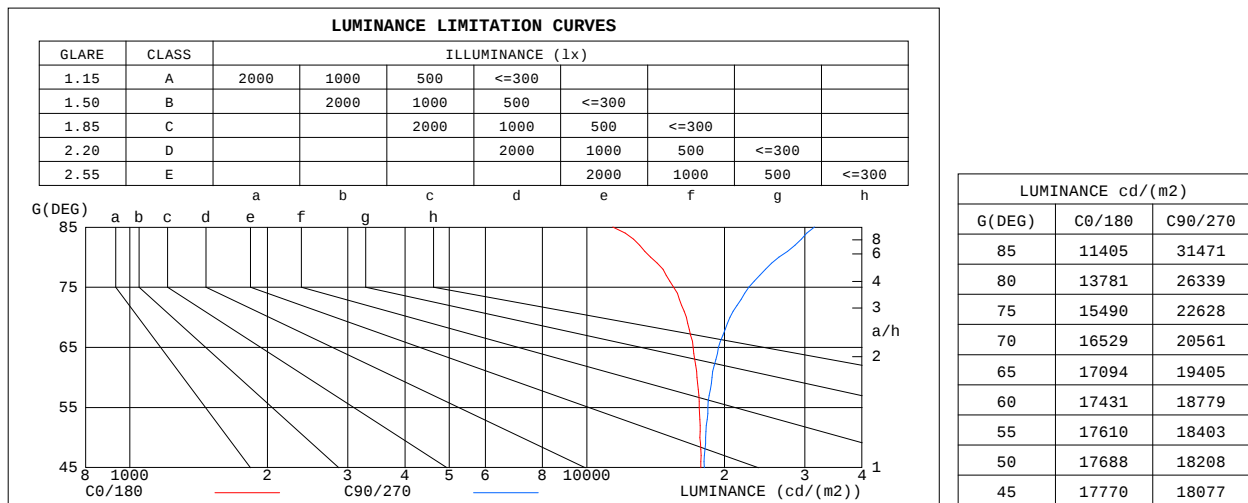
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:15 May 2025

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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | 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

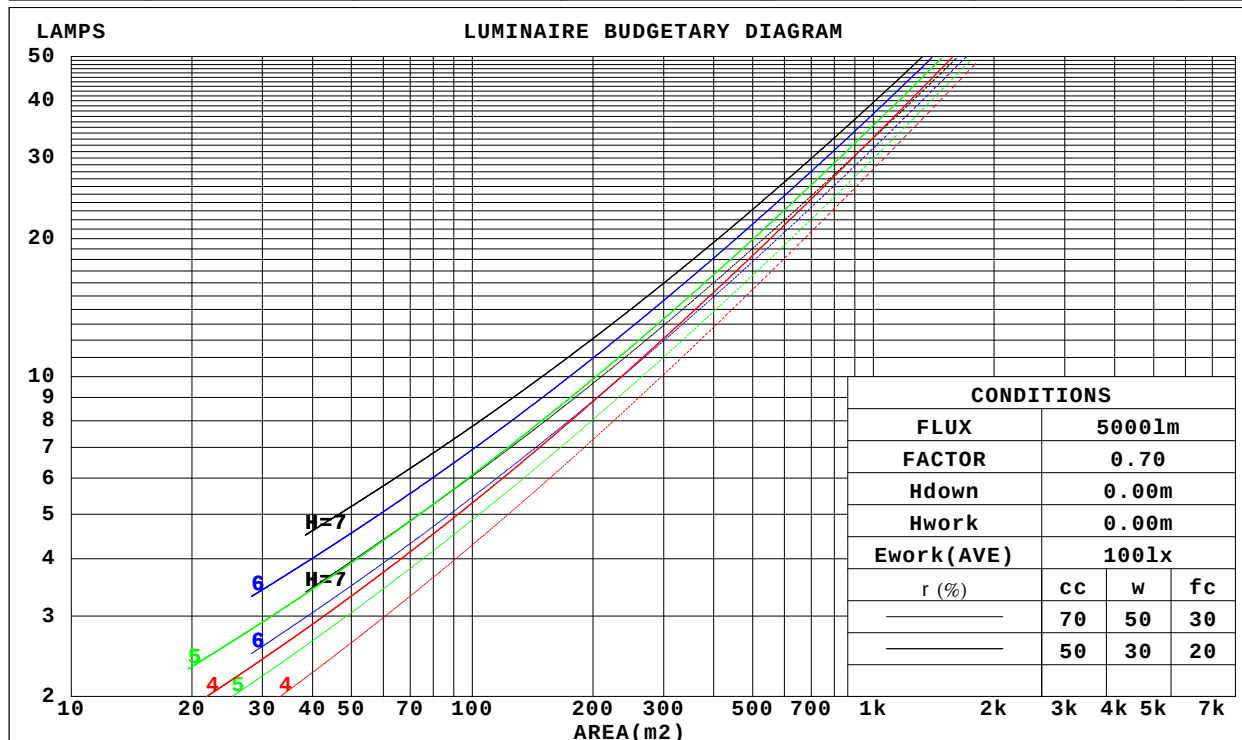
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                              |                |                  |
|------------------------------------------------------------------------------|----------------|------------------|
| Test:U:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | 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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |  |  |                |  |                  |
| NAME: 太空灯盘2*4                                                                |  |  | TYPE:40w 5000k |  | 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 |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .345                  | .196 | .062 | .337 | .192 | .061 | .323                            | .186 | .059 | .311 | .179 | .058 | .299 | .173 | .056 |   |  |
| 2.0  | .315                  | .173 | .053 | .309 | .170 | .052 | .296                            | .165 | .051 | .285 | .160 | .050 | .275 | .155 | .049 |   |  |
| 3.0  | .287                  | .153 | .046 | .281 | .151 | .045 | .270                            | .147 | .045 | .260 | .143 | .044 | .251 | .139 | .043 |   |  |
| 4.0  | .262                  | .136 | .040 | .257 | .134 | .040 | .247                            | .131 | .039 | .238 | .128 | .039 | .230 | .125 | .038 |   |  |
| 5.0  | .240                  | .122 | .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 | .166 | .166 | .166 | .113                                       | .113 | .113 | .065 | .065 | .065 | .021 | .021 | .021 |   |  |
| 1.0   | .187                  | .160 | .136 | .160 | .137 | .117 | .109                                       | .094 | .081 | .063 | .055 | .047 | .020 | .018 | .015 |   |  |
| 2.0   | .179                  | .136 | .099 | .154 | .117 | .086 | .105                                       | .081 | .060 | .061 | .047 | .035 | .019 | .015 | .011 |   |  |
| 3.0   | .172                  | .119 | .076 | .147 | .102 | .066 | .101                                       | .071 | .046 | .058 | .041 | .027 | .019 | .013 | .009 |   |  |
| 4.0   | .164                  | .105 | .061 | .141 | .091 | .053 | .097                                       | .063 | .037 | .056 | .037 | .022 | .018 | .012 | .007 |   |  |
| 5.0   | .157                  | .095 | .050 | .134 | .082 | .043 | .093                                       | .058 | .031 | .054 | .034 | .018 | .017 | .011 | .006 |   |  |
| 6.0   | .149                  | .087 | .042 | .128 | .075 | .037 | .088                                       | .053 | .026 | .051 | .031 | .015 | .017 | .010 | .005 |   |  |
| 7.0   | .142                  | .080 | .037 | .122 | .069 | .032 | .084                                       | .049 | .023 | .049 | .029 | .013 | .016 | .009 | .004 |   |  |
| 8.0   | .135                  | .074 | .032 | .117 | .064 | .028 | .081                                       | .045 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |  |
| 9.0   | .129                  | .069 | .029 | .111 | .060 | .025 | .077                                       | .042 | .018 | .045 | .025 | .011 | .015 | .008 | .004 |   |  |
| 10.0  | .123                  | .065 | .026 | .106 | .056 | .023 | .074                                       | .040 | .016 | .043 | .023 | .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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |               |                  |      |      |                |                |      |                  |      |      |      |
| NAME: 太空灯盘2*4                                                                |               |                  |      |      | TYPE:40w 5000k |                |      | 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                                                                | 2H            | 22.8             | 24.3 | 23.0 | 24.6           | 24.8           | 23.0 | 24.6             | 23.3 | 24.8 | 25.0 |
|                                                                              | 3H            | 24.5             | 25.9 | 24.8 | 26.2           | 26.4           | 25.0 | 26.5             | 25.3 | 26.7 | 27.0 |
|                                                                              | 4H            | 25.1             | 26.5 | 25.5 | 26.8           | 27.1           | 26.1 | 27.5             | 26.4 | 27.7 | 28.0 |
|                                                                              | 6H            | 25.6             | 27.0 | 26.0 | 27.2           | 27.5           | 27.1 | 28.4             | 27.4 | 28.7 | 29.0 |
|                                                                              | 8H            | 25.8             | 27.1 | 26.1 | 27.4           | 27.7           | 27.5 | 28.8             | 27.9 | 29.1 | 29.4 |
|                                                                              | 12H           | 25.9             | 27.1 | 26.2 | 27.4           | 27.7           | 27.9 | 29.2             | 28.3 | 29.5 | 29.8 |
| 4H                                                                           | 2H            | 23.5             | 24.9 | 23.8 | 25.2           | 25.4           | 23.7 | 25.1             | 24.0 | 25.4 | 25.6 |
|                                                                              | 3H            | 25.4             | 26.6 | 25.8 | 26.9           | 27.3           | 25.9 | 27.1             | 26.3 | 27.4 | 27.8 |
|                                                                              | 4H            | 26.2             | 27.4 | 26.6 | 27.7           | 28.0           | 27.1 | 28.2             | 27.5 | 28.5 | 28.9 |
|                                                                              | 6H            | 26.9             | 27.9 | 27.3 | 28.3           | 28.6           | 28.2 | 29.2             | 28.6 | 29.6 | 30.0 |
|                                                                              | 8H            | 27.1             | 28.0 | 27.5 | 28.4           | 28.8           | 28.8 | 29.7             | 29.2 | 30.1 | 30.5 |
|                                                                              | 12H           | 27.2             | 28.1 | 27.7 | 28.5           | 28.9           | 29.3 | 30.2             | 29.7 | 30.6 | 31.0 |
| 8H                                                                           | 4H            | 26.7             | 27.6 | 27.1 | 28.0           | 28.4           | 27.4 | 28.4             | 27.8 | 28.7 | 29.1 |
|                                                                              | 6H            | 27.5             | 28.3 | 28.0 | 28.8           | 29.2           | 28.8 | 29.6             | 29.2 | 30.0 | 30.4 |
|                                                                              | 8H            | 27.9             | 28.6 | 28.4 | 29.0           | 29.5           | 29.5 | 30.2             | 29.9 | 30.6 | 31.1 |
|                                                                              | 12H           | 28.1             | 28.7 | 28.6 | 29.2           | 29.7           | 30.1 | 30.7             | 30.6 | 31.2 | 31.7 |
| 12H                                                                          | 4H            | 26.8             | 27.6 | 27.2 | 28.0           | 28.5           | 27.4 | 28.3             | 27.9 | 28.7 | 29.1 |
|                                                                              | 6H            | 27.7             | 28.4 | 28.2 | 28.9           | 29.3           | 28.9 | 29.6             | 29.3 | 30.0 | 30.5 |
|                                                                              | 8H            | 28.1             | 28.7 | 28.6 | 29.2           | 29.7           | 29.6 | 30.2             | 30.1 | 30.7 | 31.2 |
| 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 / - 0.3  |      |                  |      |      |      |
| 2.0H                                                                         | + 0.1 / - 0.4 |                  |      |      |                | + 0.1 / - 0.3  |      |                  |      |      |      |

CIE Pub.117, 5819 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.1$ )

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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | 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  | 54        | 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  | 80            | 74  | 65     |
| 2.50                             | 97                                                  | 88  | 81        | 94  | 87  | 81  | 90  | 84            | 79  | 70     |
| 3.00                             | 100                                                 | 93  | 87        | 98  | 91  | 85  | 94  | 88            | 83  | 74     |
| 4.00                             | 104                                                 | 98  | 93        | 102 | 96  | 92  | 98  | 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 |     |        |

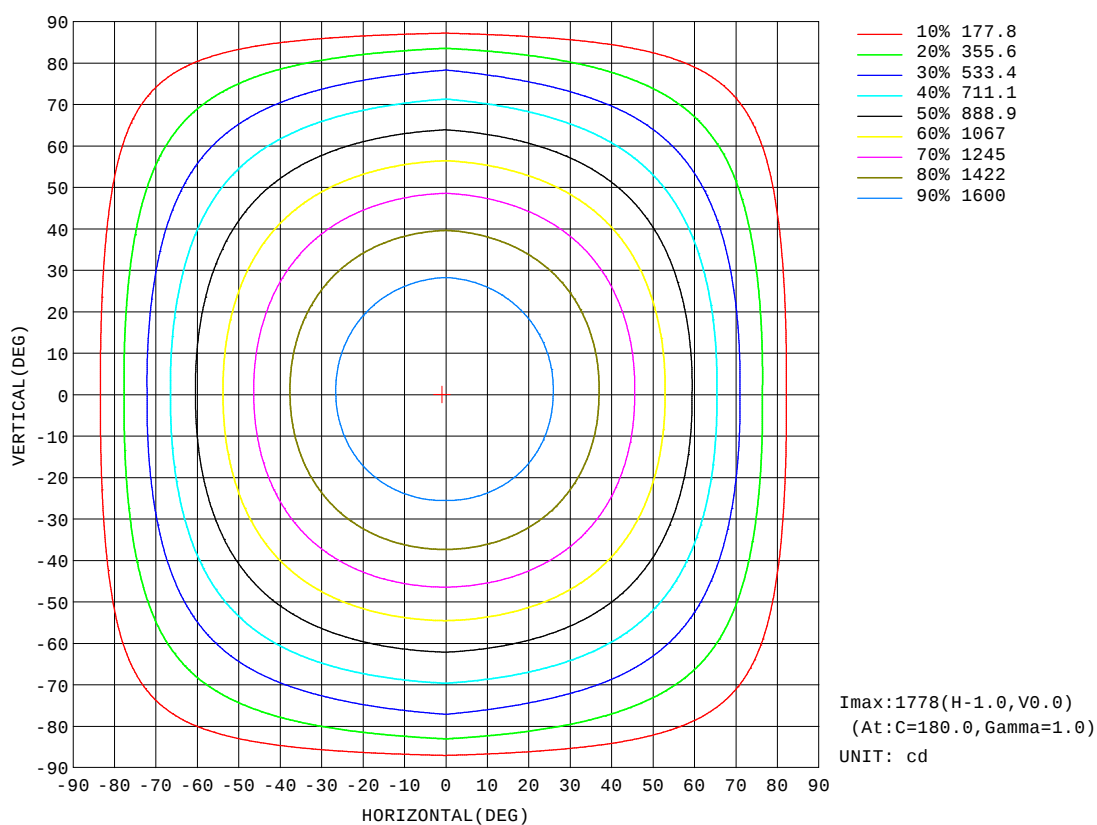
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:15 May 2025

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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | WEIGHT:          |
| SPEC.:                                                                       | DIM.:          | SERIAL No.:      |
| MFR.:                                                                        | SUR.:          | Shielding Angle: |



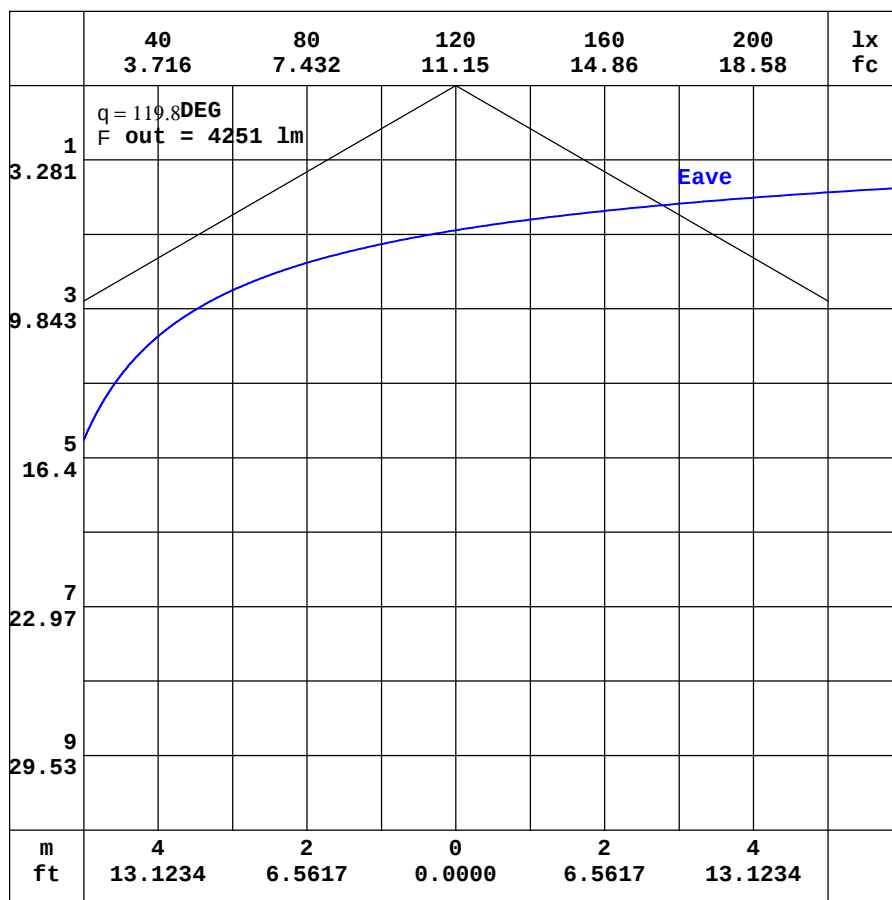
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | 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.

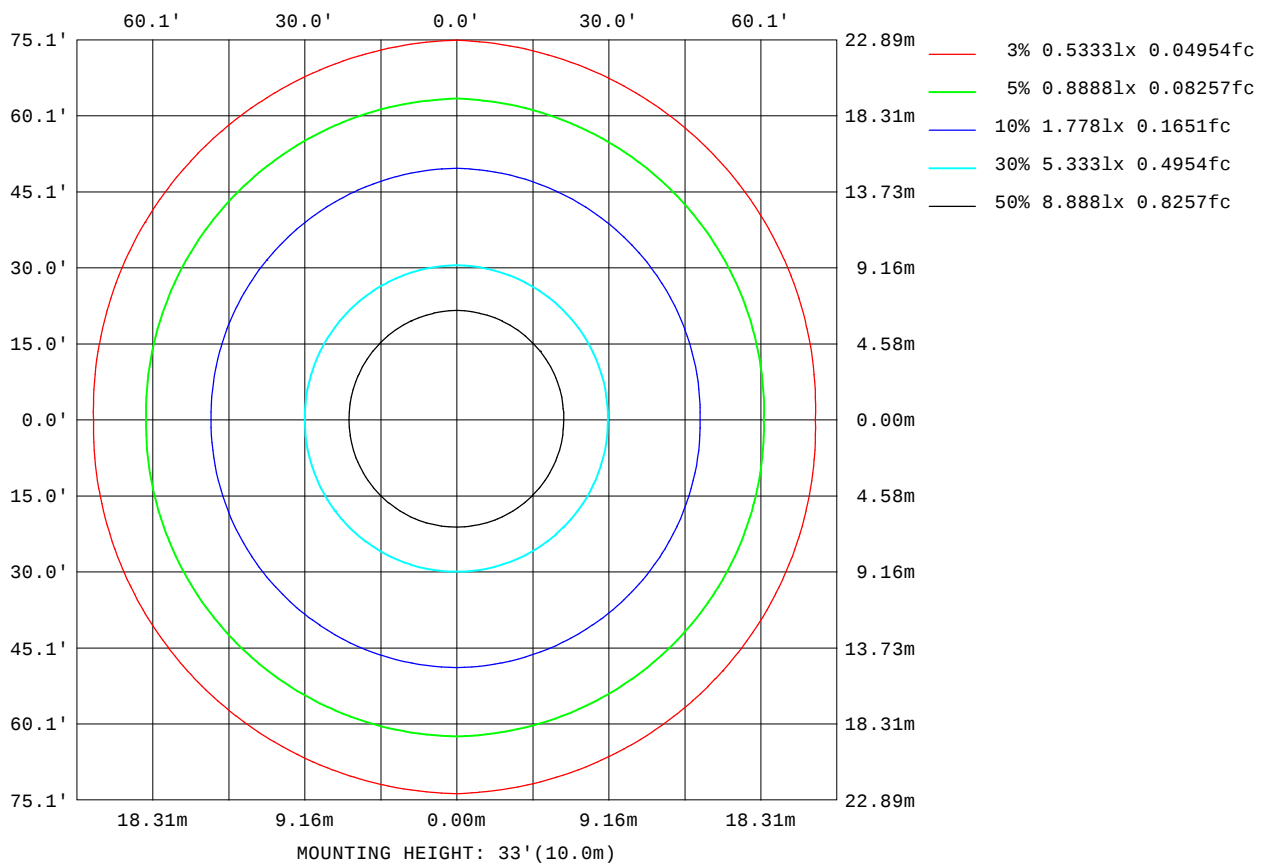
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:15 May 2025

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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | 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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | WEIGHT:          |
| SPEC.:                                                                       | DIM.:          | SERIAL No.:      |
| MFR.:                                                                        | SUR.:          | Shielding Angle: |

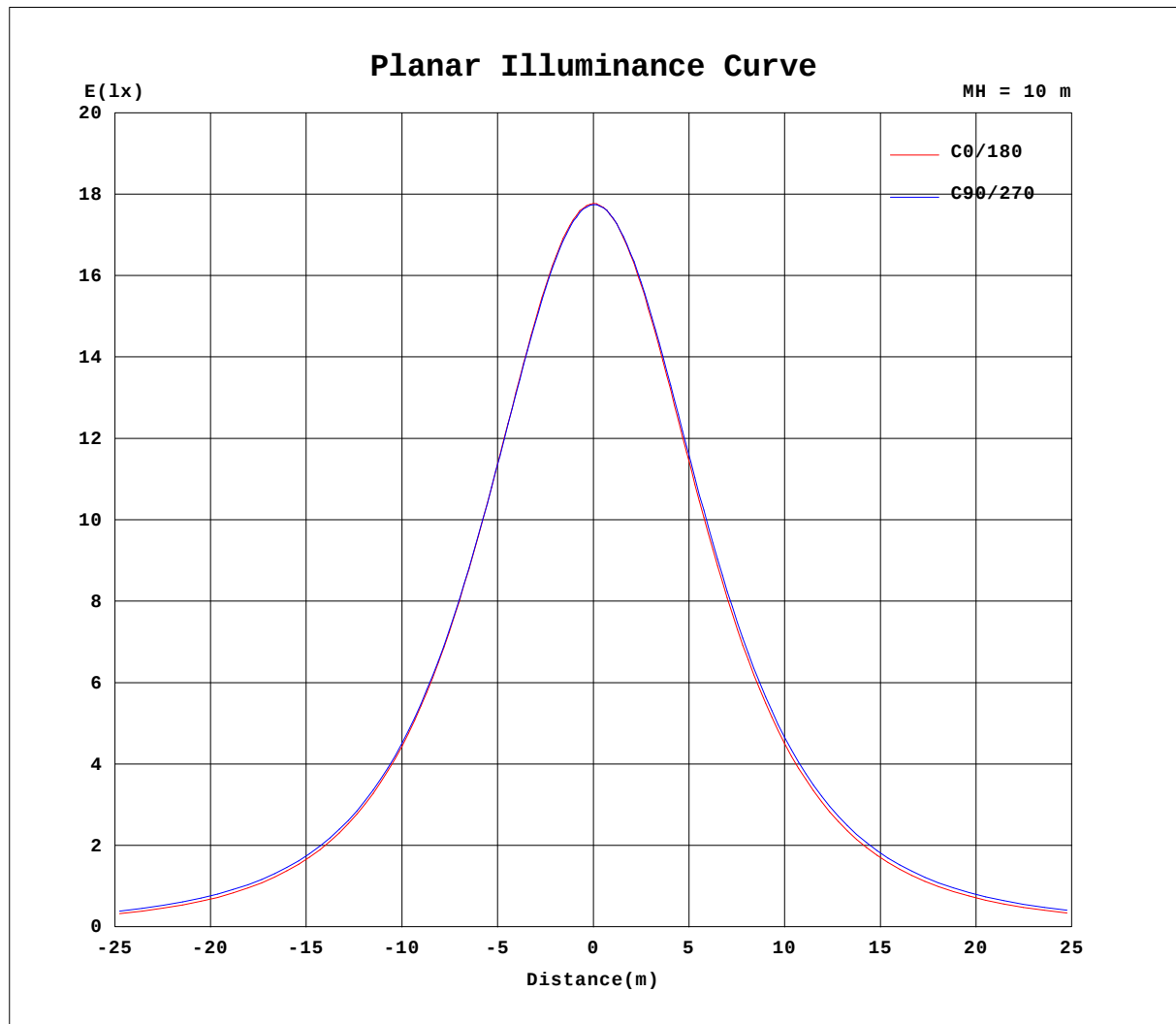
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 17480 |
| L_0~180(75)av  | 16250 |
| L_0~180(85)av  | 13350 |
| L_90~270(65)av | 19887 |
| L_90~270(75)av | 23285 |
| L_90~270(85)av | 32226 |
| L_45(65)av     | 19008 |
| L_45(75)av     | 20694 |
| L_45(85)av     | 25269 |

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:120.10V I:0.3176A P:37.732W PF:0.9892 Freq:0Hz Lamp Flux:5819.45x1 lm |                |                  |
| NAME: 太空灯盘2*4                                                                | TYPE:40w 5000k | WEIGHT:          |
| SPEC.:                                                                       | DIM.:          | SERIAL No.:      |
| MFR.:                                                                        | SUR.:          | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 1778 | 1775 | 1778 | 1775 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 1769 | 1764 | 1772 | 1771 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 1748 | 1744 | 1753 | 1756 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 1716 | 1709 | 1723 | 1728 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 1670 | 1666 | 1675 | 1689 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 1612 | 1608 | 1618 | 1637 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 1540 | 1541 | 1550 | 1577 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 1457 | 1464 | 1471 | 1501 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 1363 | 1375 | 1377 | 1415 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 1257 | 1278 | 1276 | 1319 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 1137 | 1170 | 1162 | 1213 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 1010 | 1056 | 1037 | 1099 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 872  | 939  | 901  | 981  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 722  | 820  | 755  | 861  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 565  | 703  | 600  | 742  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 401  | 586  | 440  | 620  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 239  | 457  | 279  | 485  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 99.4 | 274  | 133  | 287  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 13.4 | 42.6 | 29.4 | 35.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 1.76 | 2.33 | 2.41 | 2.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 2.23 | 2.76 | 2.99 | 2.98 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 2.74 | 3.42 | 3.55 | 3.46 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 3.32 | 4.21 | 4.06 | 3.92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 3.78 | 4.74 | 4.50 | 4.30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 4.10 | 5.08 | 4.86 | 4.65 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 4.40 | 5.24 | 5.21 | 4.95 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 4.59 | 5.29 | 5.47 | 5.23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 4.72 | 5.38 | 5.75 | 5.49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 4.93 | 5.60 | 6.02 | 5.76 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 5.29 | 5.91 | 6.26 | 5.99 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 5.55 | 6.34 | 6.49 | 6.25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 5.76 | 6.96 | 6.71 | 6.55 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 5.96 | 7.53 | 6.94 | 6.86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 6.08 | 7.55 | 6.88 | 7.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 6.20 | 7.57 | 6.76 | 7.30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 6.31 | 7.50 | 6.62 | 7.35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 6.43 | 7.43 | 6.49 | 7.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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:

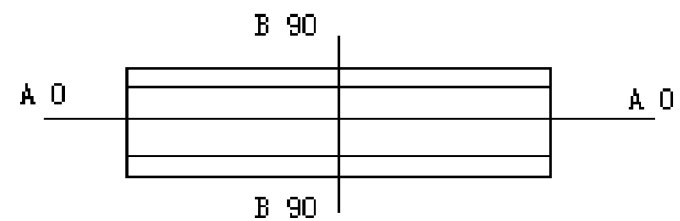
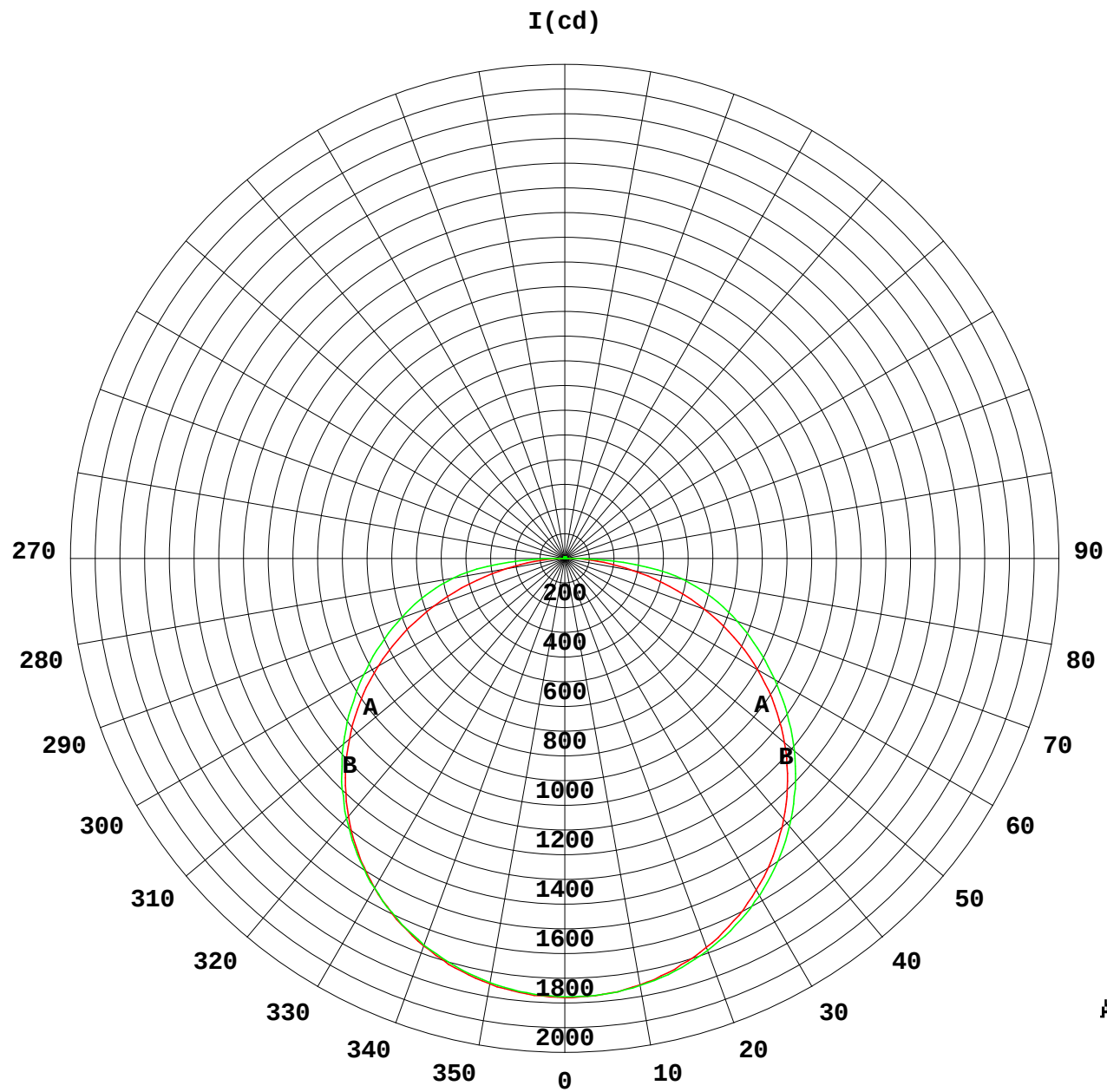
# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## Photometric Data Table [cd]

| G/C   | 0.0   | 90.0  | 180.0 | 270.0 |
|-------|-------|-------|-------|-------|
| 0.0   | 1778  | 1775  | 1778  | 1775  |
| 3.0   | 1773  | 1771  | 1775  | 1775  |
| 6.0   | 1767  | 1763  | 1768  | 1770  |
| 9.0   | 1756  | 1749  | 1757  | 1760  |
| 12.0  | 1737  | 1731  | 1743  | 1747  |
| 15.0  | 1716  | 1709  | 1723  | 1728  |
| 18.0  | 1690  | 1683  | 1696  | 1706  |
| 21.0  | 1659  | 1653  | 1666  | 1680  |
| 24.0  | 1624  | 1622  | 1632  | 1651  |
| 27.0  | 1583  | 1584  | 1595  | 1615  |
| 30.0  | 1540  | 1541  | 1550  | 1577  |
| 33.0  | 1491  | 1495  | 1504  | 1532  |
| 36.0  | 1439  | 1446  | 1452  | 1485  |
| 39.0  | 1383  | 1391  | 1399  | 1433  |
| 42.0  | 1323  | 1335  | 1340  | 1378  |
| 45.0  | 1257  | 1278  | 1276  | 1319  |
| 48.0  | 1188  | 1214  | 1210  | 1256  |
| 51.0  | 1115  | 1147  | 1138  | 1190  |
| 54.0  | 1037  | 1081  | 1062  | 1122  |
| 57.0  | 958.1 | 1009  | 985.2 | 1052  |
| 60.0  | 871.6 | 939.0 | 900.8 | 981.1 |
| 63.0  | 781.9 | 870.3 | 816.2 | 909.2 |
| 66.0  | 692.7 | 797.1 | 725.1 | 837.3 |
| 69.0  | 595.6 | 727.7 | 633.0 | 766.0 |
| 72.0  | 497.8 | 659.0 | 537.6 | 693.3 |
| 75.0  | 400.9 | 585.7 | 440.2 | 619.7 |
| 78.0  | 305.1 | 511.2 | 345.5 | 540.8 |
| 81.0  | 209.5 | 429.9 | 248.8 | 454.8 |
| 84.0  | 126.8 | 316.8 | 160.0 | 333.5 |
| 87.0  | 56.49 | 181.5 | 84.38 | 186.5 |
| 90.0  | 13.42 | 42.57 | 29.42 | 35.67 |
| 93.0  | 1.607 | 2.173 | 2.433 | 2.427 |
| 96.0  | 1.867 | 2.424 | 2.519 | 2.606 |
| 99.0  | 2.124 | 2.670 | 2.870 | 2.894 |
| 102.0 | 2.412 | 2.985 | 3.221 | 3.177 |
| 105.0 | 2.737 | 3.420 | 3.550 | 3.465 |
| 108.0 | 3.092 | 3.907 | 3.859 | 3.737 |
| 111.0 | 3.427 | 4.340 | 4.162 | 4.004 |
| 114.0 | 3.705 | 4.654 | 4.409 | 4.245 |
| 117.0 | 3.936 | 4.911 | 4.654 | 4.444 |
| 120.0 | 4.103 | 5.083 | 4.859 | 4.653 |
| 123.0 | 4.281 | 5.203 | 5.078 | 4.836 |
| 126.0 | 4.433 | 5.248 | 5.261 | 5.009 |
| 129.0 | 4.553 | 5.277 | 5.429 | 5.171 |
| 132.0 | 4.638 | 5.313 | 5.586 | 5.328 |
| 135.0 | 4.721 | 5.376 | 5.748 | 5.485 |
| 138.0 | 4.831 | 5.507 | 5.916 | 5.653 |
| 141.0 | 4.993 | 5.649 | 6.057 | 5.794 |
| 144.0 | 5.218 | 5.822 | 6.209 | 5.946 |
| 147.0 | 5.459 | 6.057 | 6.345 | 6.082 |
| 150.0 | 5.548 | 6.340 | 6.486 | 6.255 |
| 153.0 | 5.668 | 6.691 | 6.627 | 6.412 |
| 156.0 | 5.831 | 7.104 | 6.764 | 6.606 |
| 159.0 | 5.952 | 7.491 | 6.900 | 6.789 |
| 162.0 | 5.999 | 7.537 | 6.951 | 6.998 |
| 165.0 | 6.077 | 7.551 | 6.883 | 7.171 |
| 168.0 | 6.150 | 7.565 | 6.815 | 7.276 |
| 171.0 | 6.250 | 7.579 | 6.742 | 7.328 |
| 174.0 | 6.297 | 7.527 | 6.658 | 7.355 |
| 177.0 | 6.339 | 7.433 | 6.574 | 7.360 |
| 180.0 | 6.433 | 7.428 | 6.491 | 7.381 |

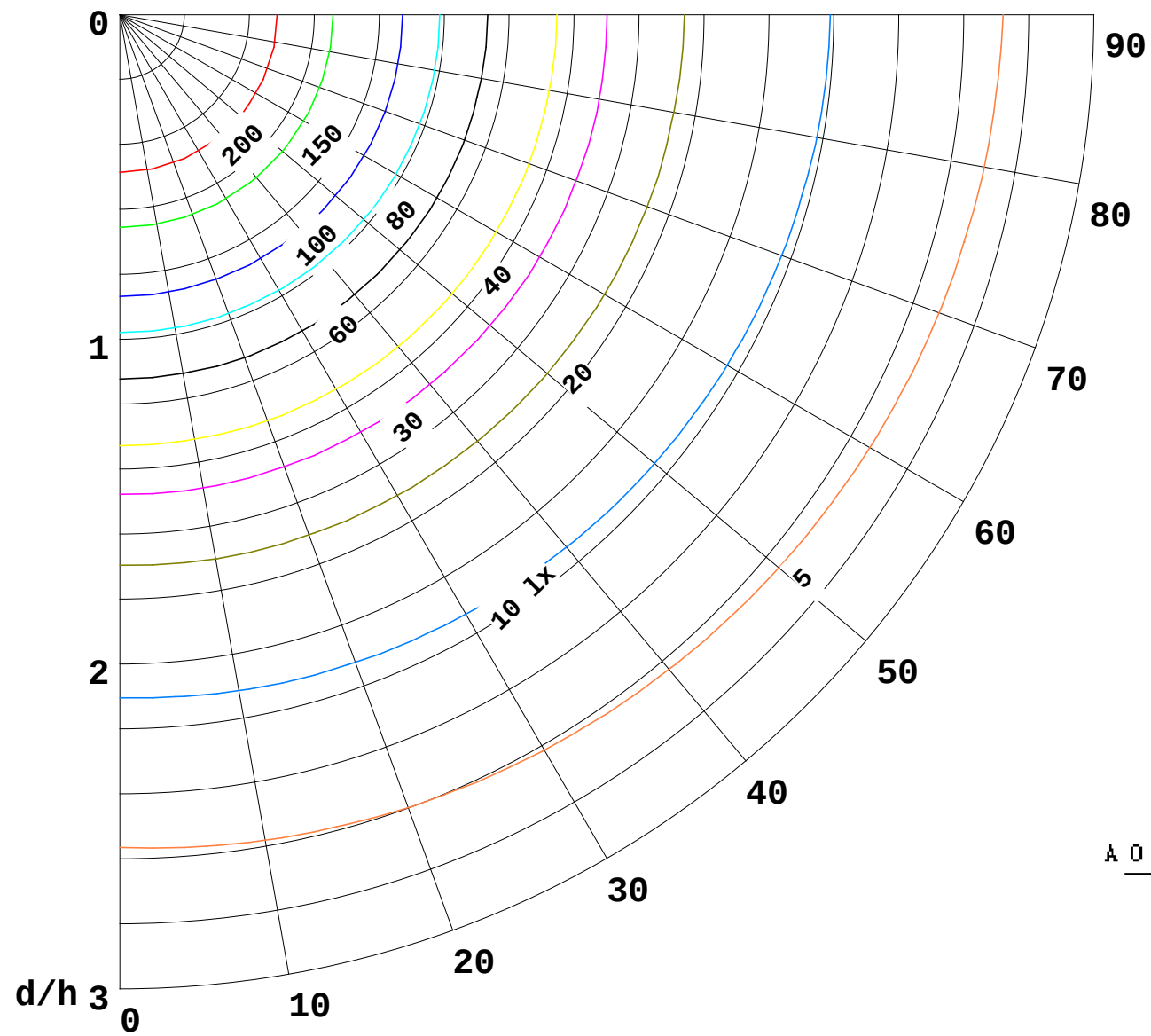
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 15 May 2025

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  |

