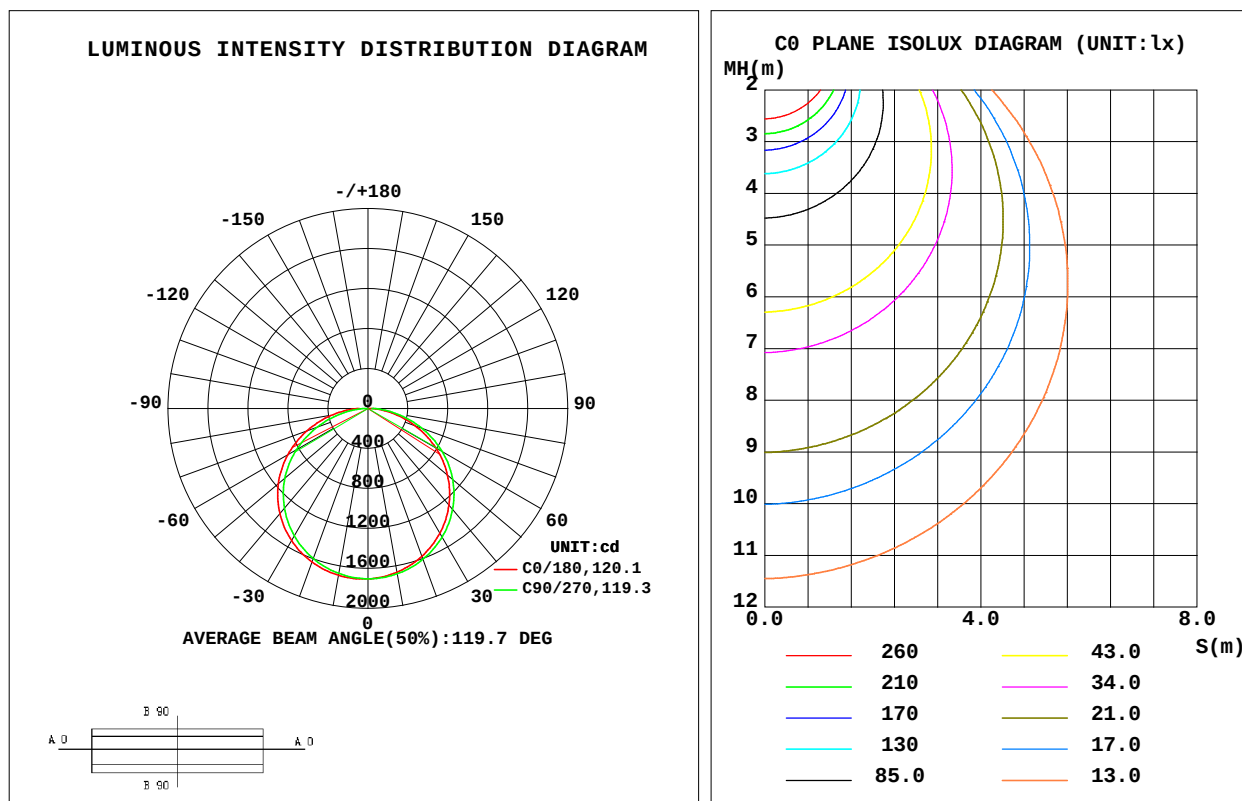


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 139.44 lm/W |        |                    |          |
|------------------|---------|-----------------------------------|--------|--------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 1707   | S/MH(C0/180)       | 1.33     |
| NOMINAL POWER(W) |         | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.29     |
| RATED VOLTAGE(V) | 120-277 | TOTAL FLUX(lm)                    | 5330.4 | h UP, DN(C0-180)   | 0.0,48.6 |
| NOMINAL FLUX(lm) | 5330.38 | CIE CLASS                         | DIRECT | h UP, DN(C180-360) | 0.0,51.4 |
| LAMPS INSIDE     | 1       | h up(%)                           | 0.0    | CIBSE SHR NOM      | 1.50     |
| TEST VOLTAGE(V)  | 120     | h down(%)                         | 100.0  | CIBSE SHR MAX      | 1.50     |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

α Range: 0 - 90DEG  
α Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0723]  
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  | 1664                  | 1680  | 1695  | 1676  |  |  |  |  | 0- 10   | 161.5    | 161.5   | 3.03, 3.03 |
| 20  | 1576                  | 1607  | 1636  | 1599  |  |  |  |  | 10- 20  | 465.3    | 626.8   | 11.8, 11.8 |
| 30  | 1440                  | 1485  | 1529  | 1474  |  |  |  |  | 20- 30  | 714.3    | 1341    | 25.2, 25.2 |
| 40  | 1261                  | 1318  | 1372  | 1302  |  |  |  |  | 30- 40  | 878.2    | 2219    | 41.6, 41.6 |
| 50  | 1039                  | 1108  | 1172  | 1087  |  |  |  |  | 40- 50  | 935.5    | 3155    | 59.2, 59.2 |
| 60  | 783.4                 | 855.7 | 926.6 | 827.8 |  |  |  |  | 50- 60  | 875.0    | 4030    | 75.6, 75.6 |
| 70  | 499.4                 | 568.9 | 647.1 | 536.3 |  |  |  |  | 60- 70  | 700.0    | 4730    | 88.7, 88.7 |
| 80  | 220.5                 | 276.6 | 352.5 | 244.9 |  |  |  |  | 70- 80  | 439.9    | 5170    | 97, 97     |
| 90  | 2.377                 | 38.58 | 86.92 | 17.70 |  |  |  |  | 80- 90  | 160.7    | 5330    | 100, 100   |
| 100 |                       |       |       |       |  |  |  |  | 90-100  |          |         |            |
| 110 |                       |       |       |       |  |  |  |  | 100-110 |          |         |            |
| 120 |                       |       |       |       |  |  |  |  | 110-120 |          |         |            |
| 130 |                       |       |       |       |  |  |  |  | 120-130 |          |         |            |
| 140 |                       |       |       |       |  |  |  |  | 130-140 |          |         |            |
| 150 |                       |       |       |       |  |  |  |  | 140-150 |          |         |            |
| 160 |                       |       |       |       |  |  |  |  | 150-160 |          |         |            |
| 170 |                       |       |       |       |  |  |  |  | 160-170 |          |         |            |
| 180 |                       |       |       |       |  |  |  |  | 170-180 |          |         |            |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |         | UNIT: lm |         |            |

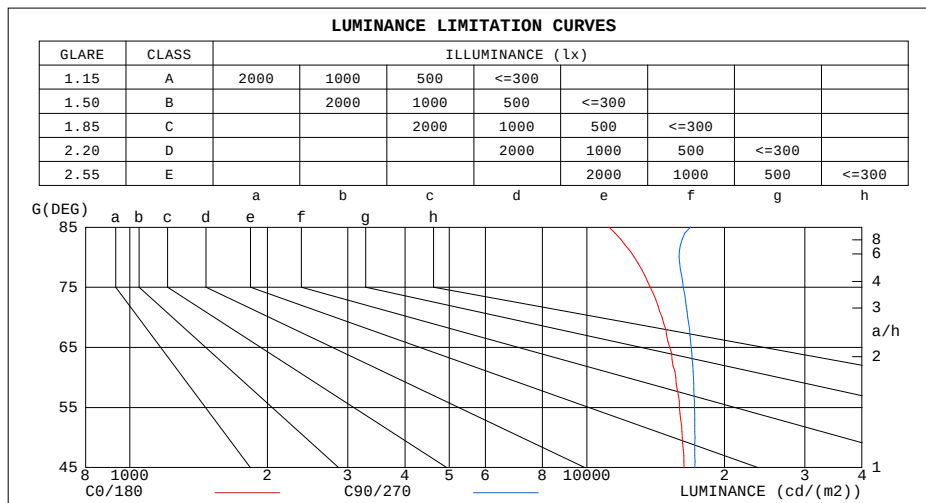
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:13 March 2024

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0723]  
 Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LUMINANCE LIMITATION CURVES

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 11188  | 16874   |
| 80                | 12700  | 15929   |
| 75                | 13767  | 16263   |
| 70                | 14602  | 16635   |
| 65                | 15191  | 16933   |
| 60                | 15668  | 17114   |
| 55                | 15937  | 17199   |
| 50                | 16167  | 17239   |
| 45                | 16337  | 17230   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

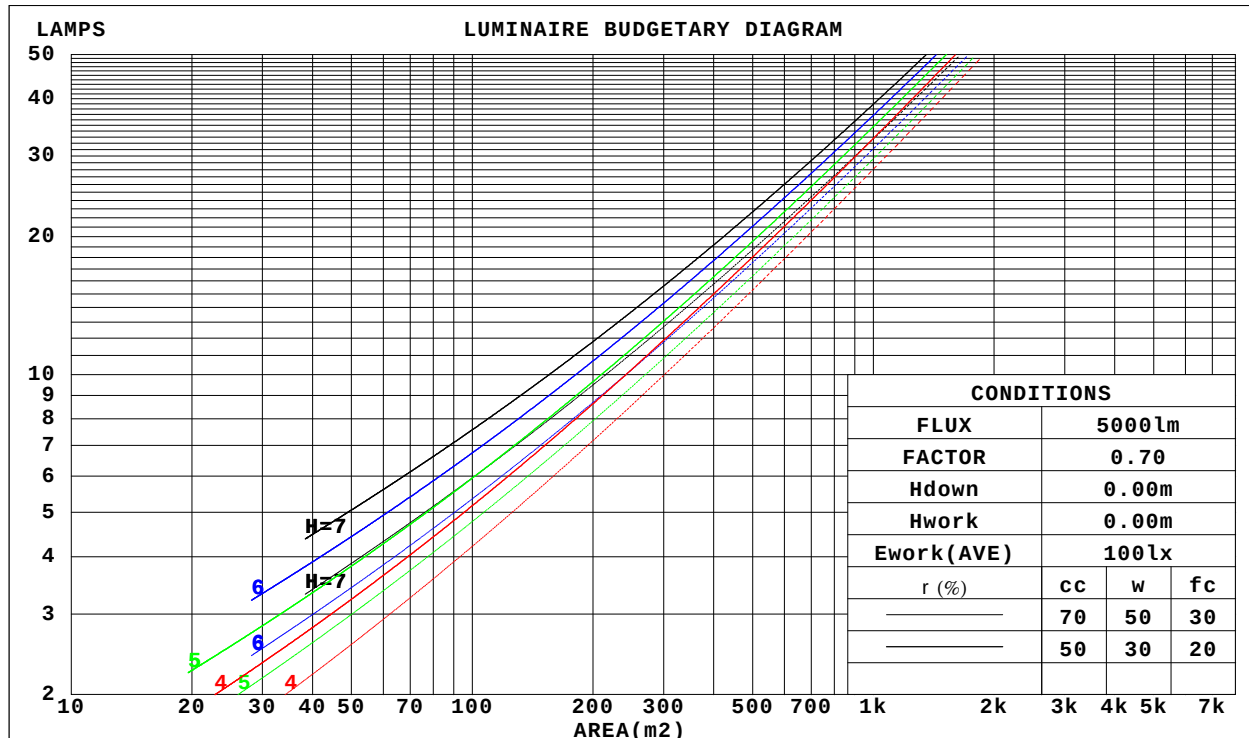
g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0723]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | 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 |      |      | 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 | 1.00 |
| 1.0  | 1.03                  | .98  | .94  | 1.00                            | .96  | .92  | .96  | .93  | .90  | .92  | .89  | .87  | .89  | .86  | .84  | .82  |
| 2.0  | .89                   | .82  | .76  | .87                             | .80  | .75  | .83  | .78  | .73  | .80  | .75  | .71  | .77  | .73  | .70  | .67  |
| 3.0  | .78                   | .69  | .62  | .76                             | .68  | .62  | .73  | .66  | .61  | .70  | .64  | .60  | .68  | .63  | .58  | .56  |
| 4.0  | .69                   | .59  | .52  | .67                             | .59  | .52  | .65  | .57  | .51  | .62  | .56  | .51  | .60  | .54  | .50  | .48  |
| 5.0  | .61                   | .52  | .45  | .60                             | .51  | .45  | .58  | .50  | .44  | .56  | .49  | .44  | .54  | .48  | .43  | .41  |
| 6.0  | .55                   | .46  | .39  | .54                             | .45  | .39  | .52  | .44  | .38  | .50  | .43  | .38  | .49  | .43  | .38  | .36  |
| 7.0  | .50                   | .41  | .34  | .49                             | .40  | .34  | .47  | .39  | .34  | .46  | .39  | .34  | .44  | .38  | .33  | .31  |
| 8.0  | .45                   | .36  | .30  | .44                             | .36  | .30  | .43  | .36  | .30  | .42  | .35  | .30  | .41  | .34  | .30  | .28  |
| 9.0  | .41                   | .33  | .27  | .41                             | .33  | .27  | .40  | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .27  | .25  |
| 10.0 | .38                   | .30  | .25  | .38                             | .30  | .25  | .37  | .29  | .25  | .36  | .29  | .24  | .35  | .29  | .24  | .23  |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:13 March 2024

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0723]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

|                                                                                  |  |  |       |  |                  |
|----------------------------------------------------------------------------------|--|--|-------|--|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |  |  |       |  |                  |
| NAME:                                                                            |  |  | TYPE: |  | WEIGHT:          |
| SPEC.:100-277v                                                                   |  |  | 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  | .331                                                  | .188 | .060 | .324 | .185 | .059 | .311 | .178 | .057 | .298 | .172 | .055 | .287 | .166 | .054 |   |
| 2.0  | .306                                                  | .168 | .051 | .300 | .165 | .051 | .288 | .160 | .050 | .277 | .156 | .049 | .267 | .151 | .048 |   |
| 3.0  | .281                                                  | .149 | .045 | .275 | .147 | .044 | .265 | .143 | .044 | .255 | .140 | .043 | .246 | .136 | .042 |   |
| 4.0  | .257                                                  | .134 | .039 | .253 | .132 | .039 | .243 | .129 | .039 | .235 | .126 | .038 | .227 | .123 | .038 |   |
| 5.0  | .237                                                  | .121 | .035 | .233 | .119 | .035 | .224 | .117 | .034 | .217 | .114 | .034 | .209 | .112 | .034 |   |
| 6.0  | .219                                                  | .110 | .031 | .215 | .109 | .031 | .208 | .106 | .031 | .201 | .104 | .031 | .194 | .102 | .030 |   |
| 7.0  | .203                                                  | .100 | .028 | .200 | .100 | .028 | .193 | .098 | .028 | .187 | .096 | .028 | .181 | .094 | .028 |   |
| 8.0  | .189                                                  | .093 | .026 | .186 | .092 | .026 | .180 | .090 | .026 | .175 | .089 | .026 | .170 | .087 | .025 |   |
| 9.0  | .177                                                  | .086 | .024 | .174 | .085 | .024 | .169 | .084 | .024 | .164 | .082 | .024 | .159 | .081 | .023 |   |
| 10.0 | .166                                                  | .080 | .022 | .164 | .079 | .022 | .159 | .078 | .022 | .155 | .077 | .022 | .150 | .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   | .190                                                             | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0   | .182                                                             | .156 | .133 | .156 | .134 | .114 | .106 | .092 | .079 | .061 | .053 | .046 | .020 | .017 | .015 |   |
| 2.0   | .174                                                             | .132 | .096 | .149 | .113 | .083 | .102 | .079 | .058 | .059 | .046 | .034 | .019 | .015 | .011 |   |
| 3.0   | .167                                                             | .114 | .073 | .143 | .099 | .063 | .098 | .069 | .044 | .057 | .040 | .026 | .018 | .013 | .009 |   |
| 4.0   | .159                                                             | .101 | .057 | .136 | .087 | .050 | .094 | .061 | .035 | .054 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0   | .151                                                             | .091 | .046 | .130 | .079 | .040 | .090 | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .006 |   |
| 6.0   | .144                                                             | .083 | .038 | .124 | .071 | .033 | .085 | .050 | .024 | .050 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0   | .137                                                             | .076 | .033 | .118 | .066 | .028 | .081 | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0   | .130                                                             | .070 | .028 | .112 | .061 | .025 | .078 | .043 | .017 | .045 | .025 | .010 | .015 | .008 | .003 |   |
| 9.0   | .124                                                             | .065 | .025 | .107 | .056 | .022 | .074 | .040 | .015 | .043 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0  | .118                                                             | .061 | .022 | .102 | .053 | .019 | .071 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0723]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |      |      |       |                |      |                  |      |      |      |
|----------------------------------------------------------------------------------|---------------|------------------|------|------|-------|----------------|------|------------------|------|------|------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |               |                  |      |      |       |                |      |                  |      |      |      |
| NAME:                                                                            |               |                  |      |      | TYPE: |                |      | WEIGHT:          |      |      |      |
| SPEC.:100-277v                                                                   |               |                  |      |      | 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            | 22.4             | 24.0 | 22.7 | 24.2  | 24.4           | 22.7 | 24.3             | 23.0 | 24.5 | 24.7 |
|                                                                                  | 3H            | 24.0             | 25.5 | 24.3 | 25.7  | 25.9           | 24.5 | 25.9             | 24.8 | 26.2 | 26.4 |
|                                                                                  | 4H            | 24.7             | 26.0 | 25.0 | 26.3  | 26.6           | 25.2 | 26.6             | 25.5 | 26.8 | 27.1 |
|                                                                                  | 6H            | 25.1             | 26.4 | 25.5 | 26.7  | 27.0           | 25.8 | 27.1             | 26.1 | 27.4 | 27.7 |
|                                                                                  | 8H            | 25.3             | 26.6 | 25.6 | 26.8  | 27.1           | 26.0 | 27.3             | 26.4 | 27.6 | 27.9 |
|                                                                                  | 12H           | 25.4             | 26.6 | 25.7 | 26.9  | 27.2           | 26.2 | 27.4             | 26.6 | 27.7 | 28.0 |
| 4H                                                                               | 2H            | 23.1             | 24.5 | 23.4 | 24.7  | 25.0           | 23.4 | 24.7             | 23.7 | 25.0 | 25.3 |
|                                                                                  | 3H            | 24.9             | 26.1 | 25.2 | 26.4  | 26.7           | 25.3 | 26.5             | 25.6 | 26.8 | 27.1 |
|                                                                                  | 4H            | 25.7             | 26.8 | 26.0 | 27.1  | 27.4           | 26.1 | 27.3             | 26.5 | 27.6 | 27.9 |
|                                                                                  | 6H            | 26.3             | 27.3 | 26.7 | 27.6  | 28.0           | 26.9 | 27.9             | 27.3 | 28.2 | 28.6 |
|                                                                                  | 8H            | 26.5             | 27.4 | 26.9 | 27.8  | 28.2           | 27.2 | 28.1             | 27.6 | 28.5 | 28.9 |
|                                                                                  | 12H           | 26.7             | 27.5 | 27.1 | 27.9  | 28.3           | 27.4 | 28.3             | 27.9 | 28.7 | 29.1 |
| 8H                                                                               | 4H            | 26.0             | 26.9 | 26.4 | 27.3  | 27.7           | 26.4 | 27.4             | 26.8 | 27.7 | 28.1 |
|                                                                                  | 6H            | 26.8             | 27.6 | 27.2 | 28.0  | 28.4           | 27.3 | 28.1             | 27.8 | 28.5 | 28.9 |
|                                                                                  | 8H            | 27.1             | 27.8 | 27.6 | 28.2  | 28.7           | 27.7 | 28.4             | 28.2 | 28.9 | 29.3 |
|                                                                                  | 12H           | 27.4             | 28.0 | 27.8 | 28.4  | 28.9           | 28.1 | 28.7             | 28.6 | 29.1 | 29.6 |
| 12H                                                                              | 4H            | 26.0             | 26.9 | 26.5 | 27.3  | 27.7           | 26.4 | 27.3             | 26.9 | 27.7 | 28.1 |
|                                                                                  | 6H            | 26.9             | 27.6 | 27.4 | 28.0  | 28.5           | 27.4 | 28.1             | 27.9 | 28.5 | 29.0 |
|                                                                                  | 8H            | 27.3             | 27.9 | 27.7 | 28.3  | 28.8           | 27.9 | 28.5             | 28.3 | 28.9 | 29.4 |
| 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                                                                             | + 0.1 / - 0.4 |                  |      |      |       | + 0.1 / - 0.3  |      |                  |      |      |      |

CIE Pub.117, 5330 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 5.8$ )

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:13 March 2024

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0723]  
 Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### UTILIZATION FACTORS TABLE

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | 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                         | 56                                                  | 44  | 37        | 55  | 44  | 37  | 54  | 43            | 37  | 30     |
| 0.80                             | 66                                                  | 54  | 46        | 65  | 53  | 46  | 63  | 53            | 46  | 39     |
| 1.00                             | 74                                                  | 63  | 55        | 73  | 62  | 55  | 71  | 64            | 54  | 47     |
| 1.25                             | 81                                                  | 70  | 63        | 80  | 70  | 63  | 77  | 68            | 62  | 54     |
| 1.50                             | 86                                                  | 76  | 69        | 85  | 75  | 68  | 82  | 73            | 67  | 59     |
| 2.00                             | 94                                                  | 84  | 78        | 92  | 83  | 77  | 88  | 81            | 75  | 67     |
| 2.50                             | 98                                                  | 89  | 83        | 95  | 88  | 82  | 92  | 85            | 80  | 72     |
| 3.00                             | 101                                                 | 94  | 88        | 99  | 92  | 87  | 95  | 89            | 85  | 76     |
| 4.00                             | 105                                                 | 99  | 94        | 103 | 97  | 93  | 99  | 94            | 90  | 81     |
| 5.00                             | 108                                                 | 103 | 98        | 105 | 101 | 97  | 101 | 97            | 94  | 84     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

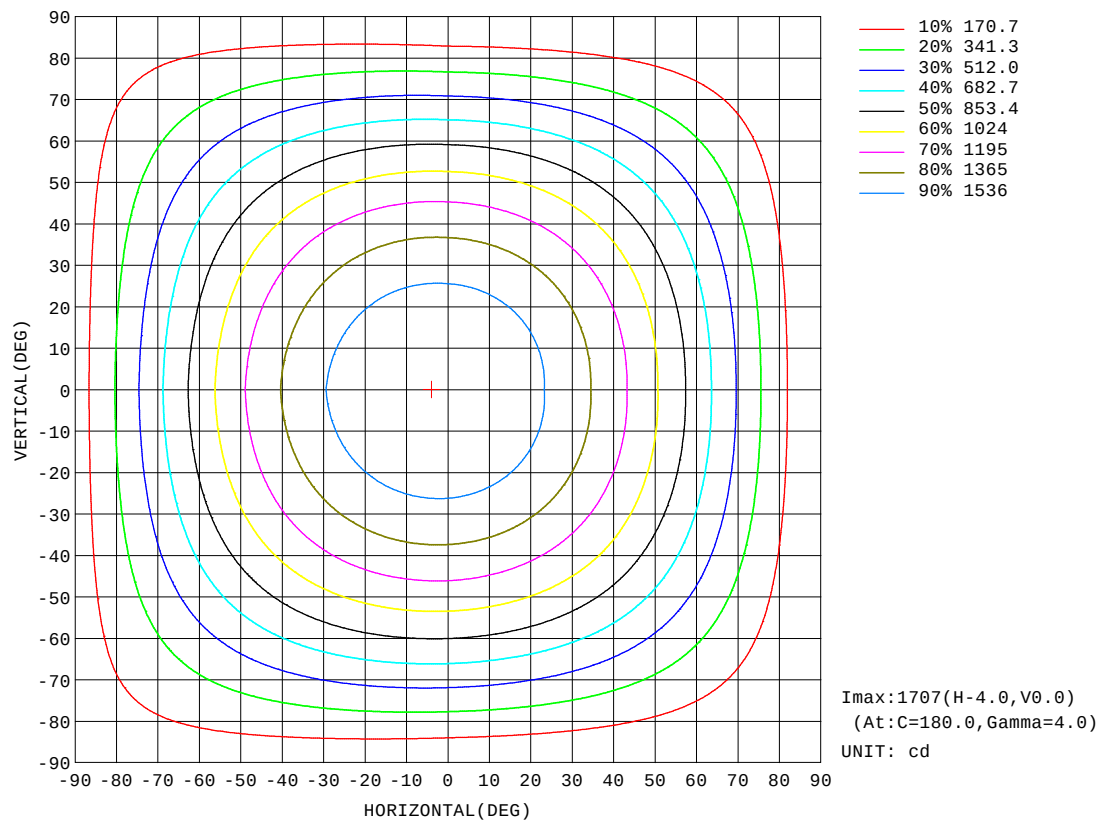
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:13 March 2024

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:8.300m [K=1.0723]  
 Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOCANDELA DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

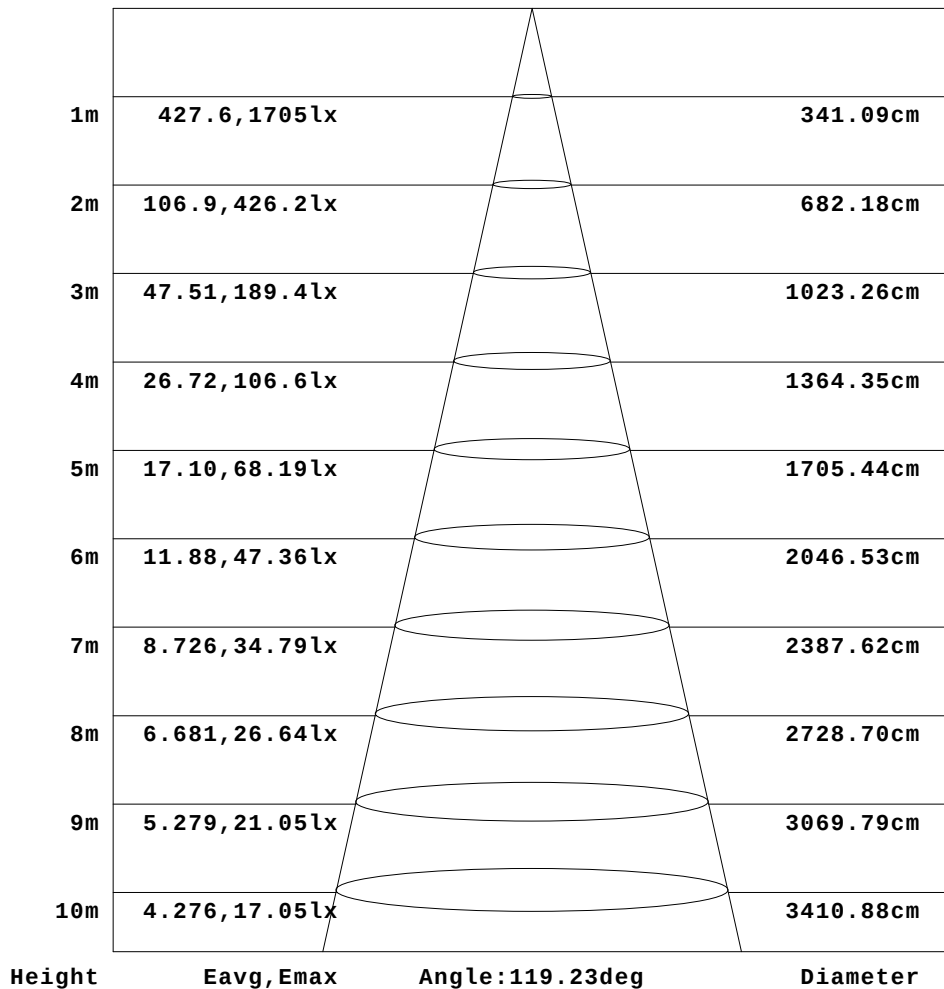
g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0723]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

Flux out:4030 lm



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

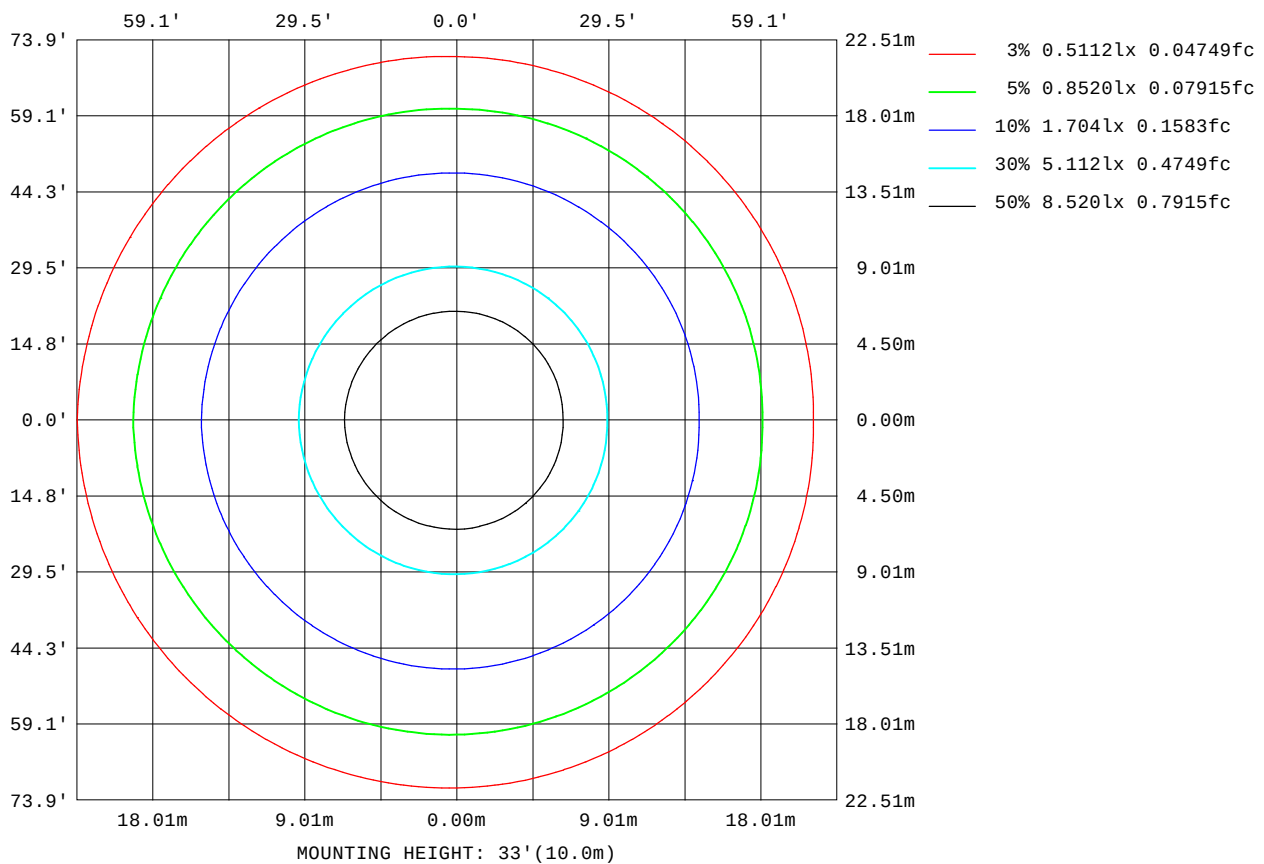
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0723]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOLUX DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0723]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LED Avg.L Report

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.32V I:0.3192A P:38.227W PF:0.9953 Freq:59.98Hz Lamp Flux:5330.38x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

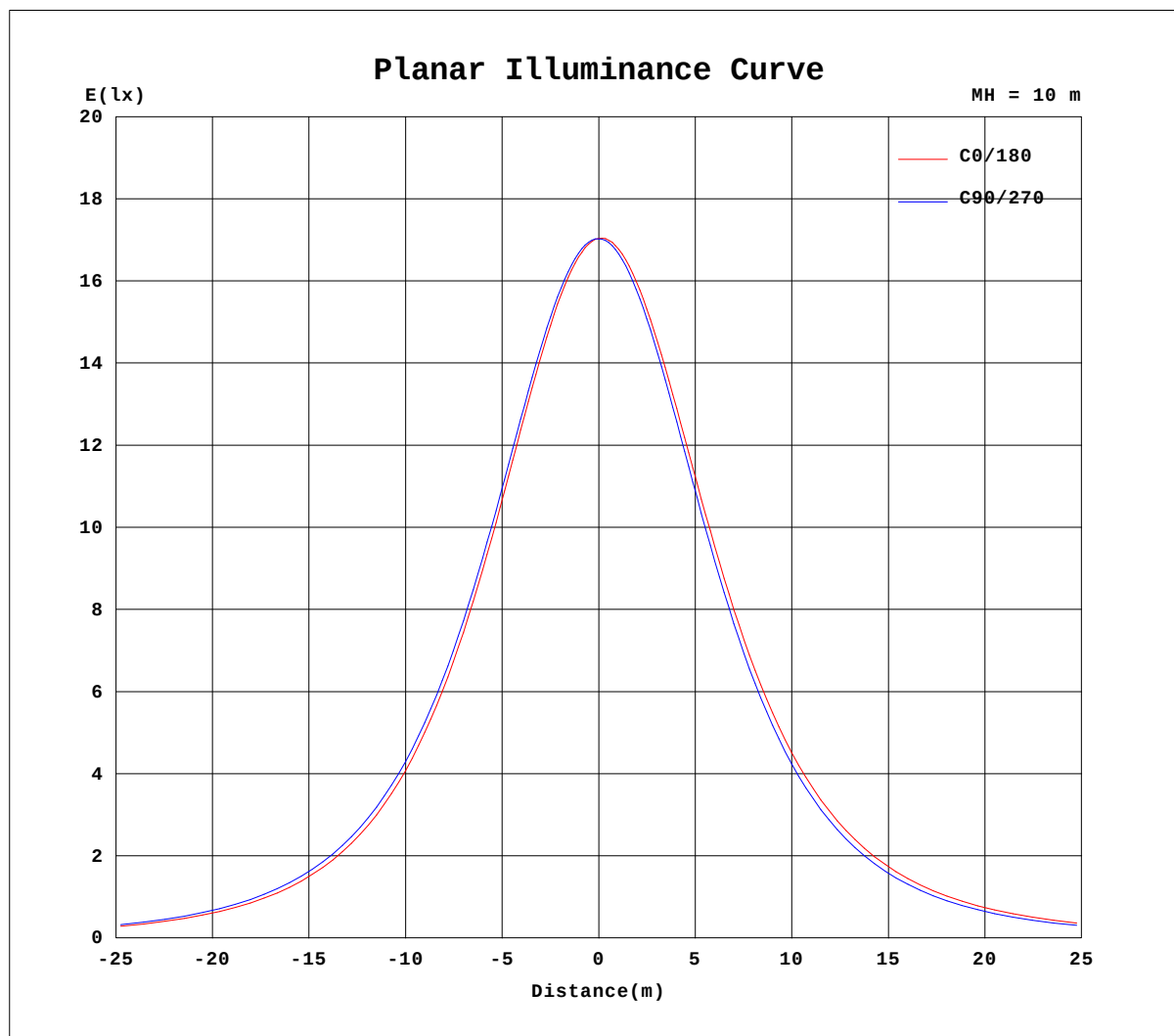
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 16950 |
| L_0~180(75)av  | 16526 |
| L_0~180(85)av  | 17801 |
| L_90~270(65)av | 16562 |
| L_90~270(75)av | 15611 |
| L_90~270(85)av | 15197 |
| L_45(65)av     | 16818 |
| L_45(75)av     | 16126 |
| L_45(85)av     | 16587 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0723]  
Remarks:

## Planar Illuminance Curve



**C Range:** 0 - 360DEG  
**C Interval:** 90.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:**  
**Test Date:** 13 March 2024

**g Range:** 0 - 90DEG  
**g Interval:** 1.0DEG  
**Test System:** EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
**Humidity:** 65.0%  
**Test Distance:** 8.300m [K=1.0723]  
**Remarks:**



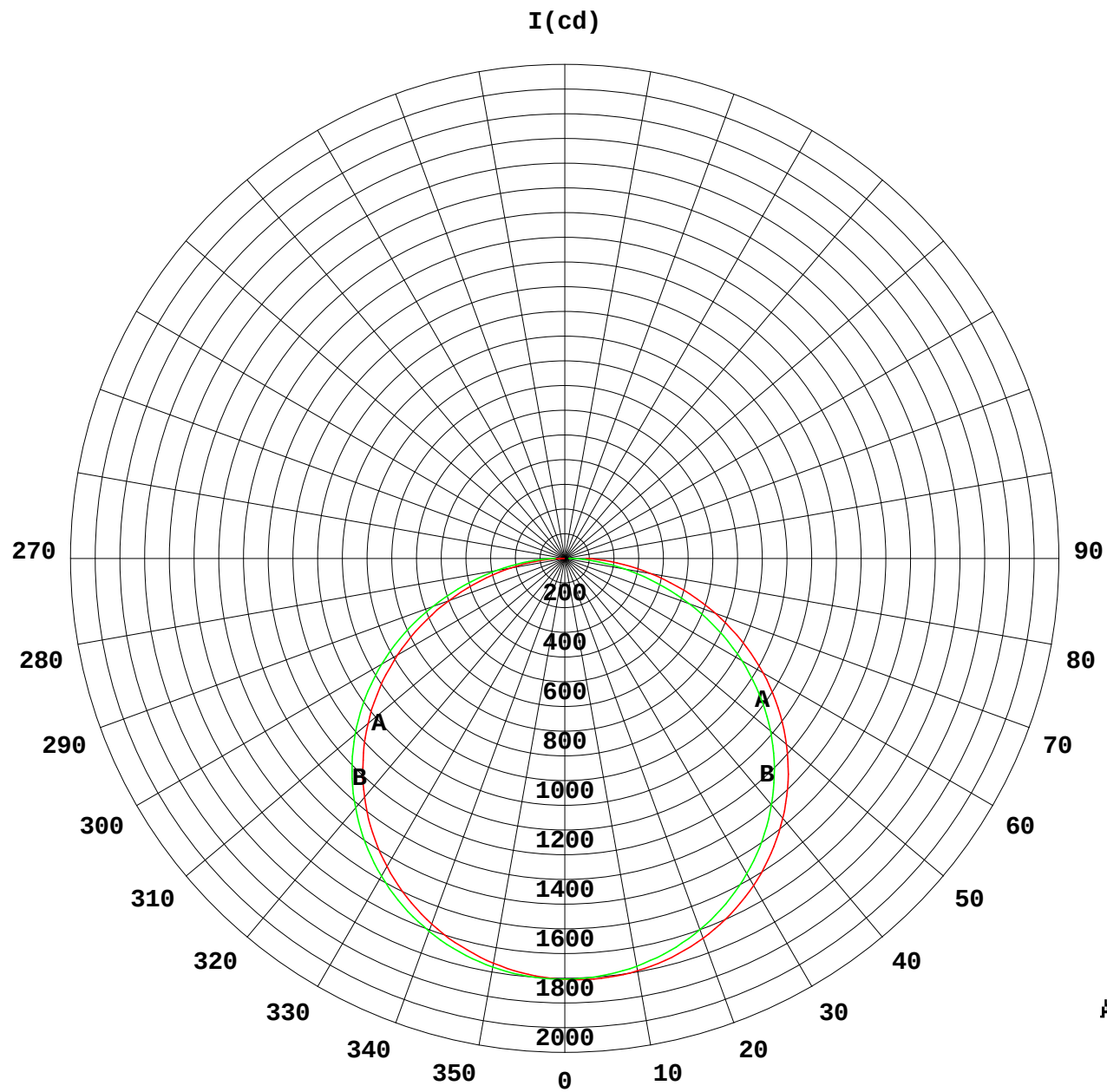
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### Photometric Data Table [cd]

| G/C  | 0.0   | 90.0  | 180.0 | 270.0 |
|------|-------|-------|-------|-------|
| 0.0  | 1704  | 1703  | 1704  | 1703  |
| 3.0  | 1697  | 1702  | 1706  | 1701  |
| 6.0  | 1686  | 1696  | 1705  | 1693  |
| 9.0  | 1670  | 1684  | 1698  | 1681  |
| 12.0 | 1650  | 1669  | 1687  | 1664  |
| 15.0 | 1625  | 1649  | 1672  | 1644  |
| 18.0 | 1596  | 1625  | 1652  | 1619  |
| 21.0 | 1564  | 1596  | 1627  | 1589  |
| 24.0 | 1527  | 1564  | 1599  | 1555  |
| 27.0 | 1485  | 1526  | 1566  | 1517  |
| 30.0 | 1440  | 1485  | 1529  | 1474  |
| 33.0 | 1392  | 1440  | 1486  | 1427  |
| 36.0 | 1338  | 1390  | 1441  | 1376  |
| 39.0 | 1281  | 1337  | 1390  | 1321  |
| 42.0 | 1221  | 1280  | 1336  | 1262  |
| 45.0 | 1155  | 1218  | 1278  | 1200  |
| 48.0 | 1088  | 1153  | 1215  | 1133  |
| 51.0 | 1016  | 1084  | 1149  | 1063  |
| 54.0 | 939.9 | 1012  | 1078  | 988.2 |
| 57.0 | 863.4 | 934.9 | 1004  | 908.9 |
| 60.0 | 783.4 | 855.7 | 926.6 | 827.8 |
| 63.0 | 697.7 | 772.0 | 845.7 | 742.1 |
| 66.0 | 612.1 | 686.5 | 761.8 | 654.9 |
| 69.0 | 527.9 | 599.1 | 676.3 | 566.2 |
| 72.0 | 442.1 | 509.9 | 588.1 | 476.4 |
| 75.0 | 356.3 | 420.9 | 499.1 | 387.2 |
| 78.0 | 273.9 | 333.3 | 411.5 | 300.7 |
| 81.0 | 195.0 | 249.6 | 323.1 | 218.4 |
| 84.0 | 120.6 | 171.3 | 239.6 | 141.4 |
| 87.0 | 54.44 | 100.8 | 161.0 | 73.82 |
| 90.0 | 2.377 | 38.58 | 86.92 | 17.70 |

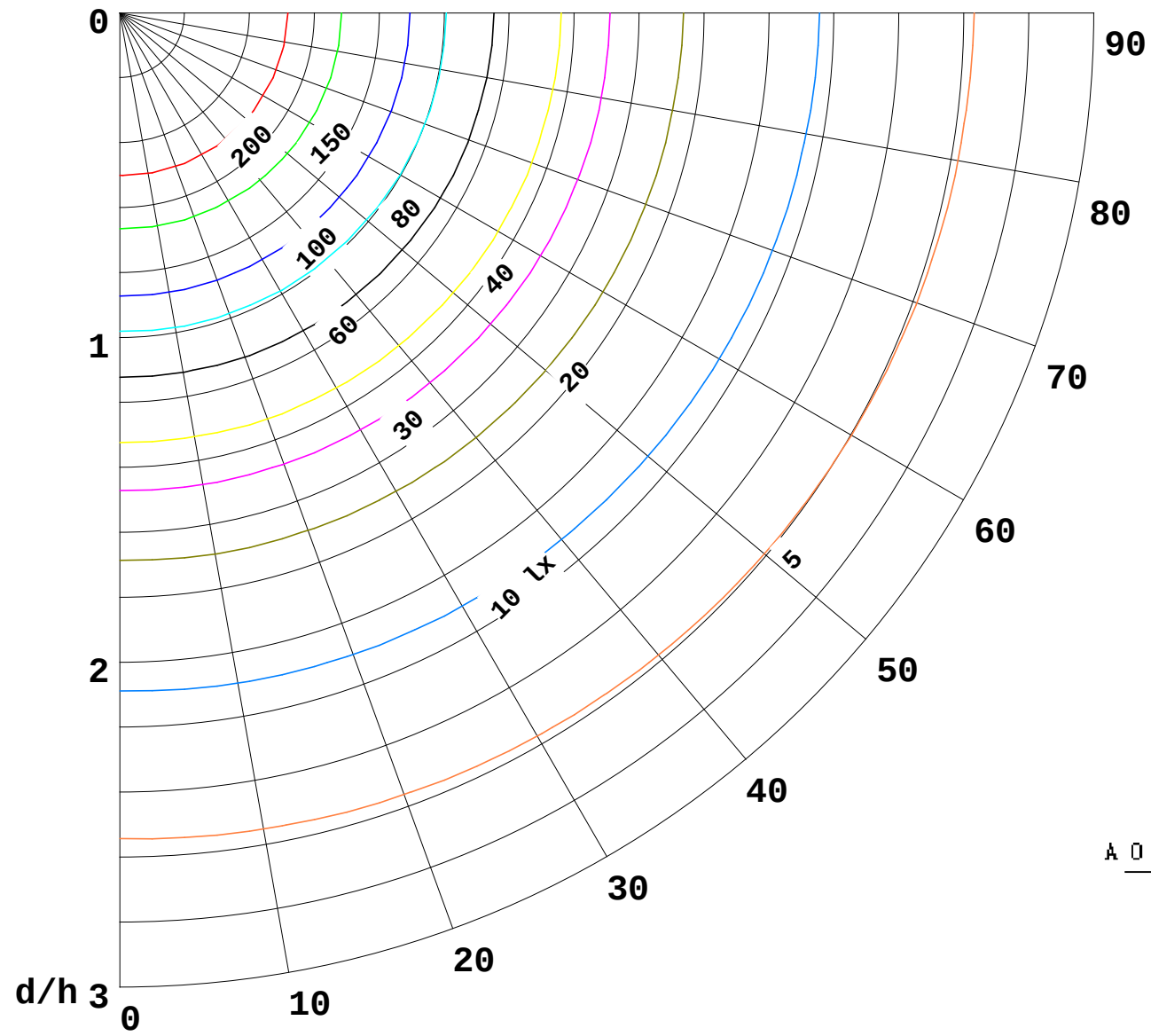
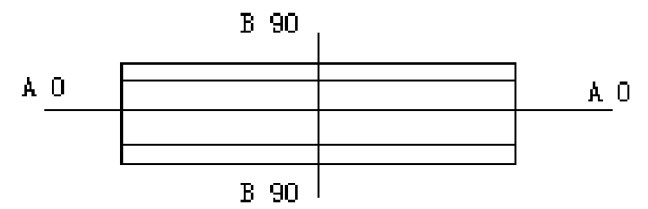
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 13 March 2024

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 8.300m [K=1.0723]  
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  |

