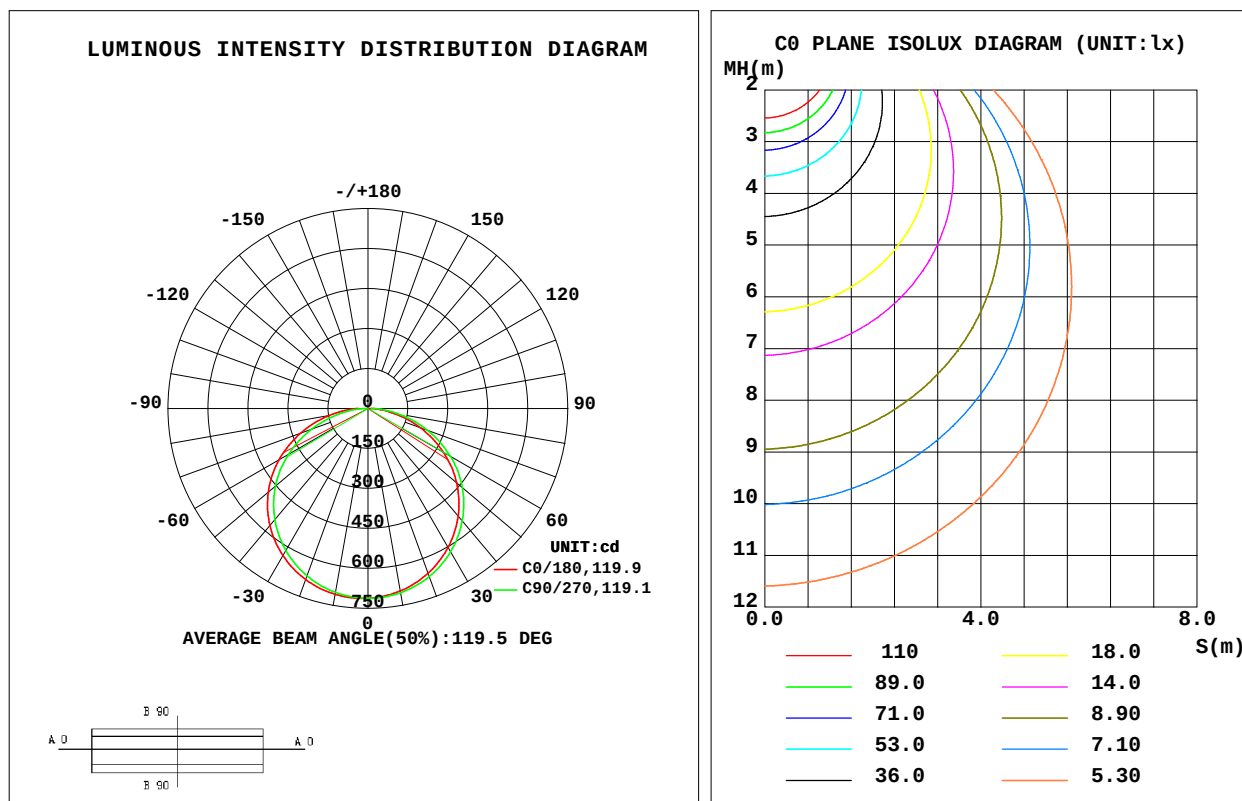


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 145.98 lm/W |        |                    |          |
|------------------|---------|-----------------------------------|--------|--------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 713.0  | 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)                    | 2220.8 | h UP, DN(C0-180)   | 0.0,48.6 |
| NOMINAL FLUX(lm) | 2220.82 | 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  | 695.2                 | 702.1 | 708.1 | 700.6 |  |  |  |  | 0- 10   | 67.47    | 67.47   | 3.04, 3.04 |
| 20  | 658.2                 | 671.4 | 683.4 | 668.2 |  |  |  |  | 10- 20  | 194.5    | 261.9   | 11.8, 11.8 |
| 30  | 601.9                 | 620.4 | 638.2 | 615.8 |  |  |  |  | 20- 30  | 298.4    | 560.3   | 25.2, 25.2 |
| 40  | 527.0                 | 550.6 | 572.5 | 543.9 |  |  |  |  | 30- 40  | 366.8    | 927.2   | 41.7, 41.7 |
| 50  | 434.9                 | 462.6 | 488.7 | 453.8 |  |  |  |  | 40- 50  | 390.7    | 1318    | 59.3, 59.3 |
| 60  | 326.5                 | 356.3 | 386.1 | 345.0 |  |  |  |  | 50- 60  | 365.1    | 1683    | 75.8, 75.8 |
| 70  | 207.3                 | 236.0 | 268.1 | 222.8 |  |  |  |  | 60- 70  | 291.1    | 1974    | 88.9, 88.9 |
| 80  | 89.91                 | 114.1 | 145.2 | 100.1 |  |  |  |  | 70- 80  | 181.7    | 2156    | 97.1, 97.1 |
| 90  | 0                     | 14.08 | 34.40 | 5.224 |  |  |  |  | 80- 90  | 65.04    | 2221    | 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 |         |            |

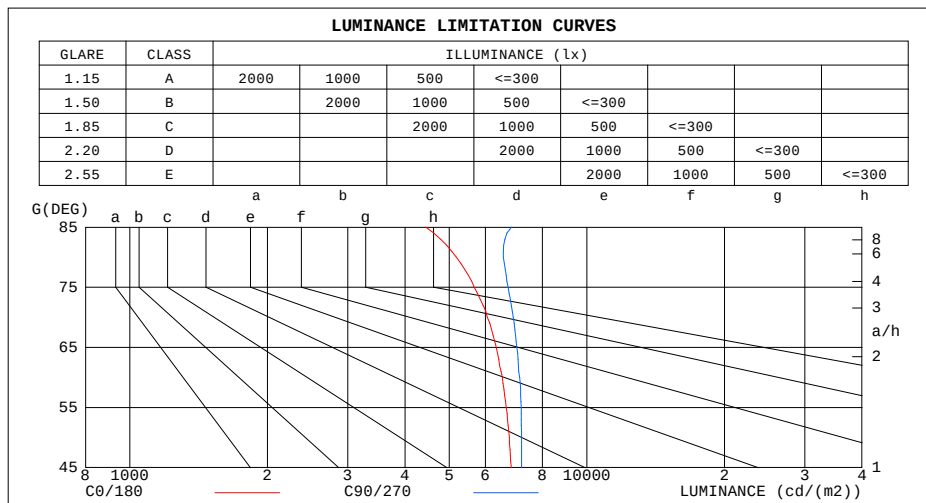
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

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:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 4436   | 6849    |
| 80                | 5178   | 6570    |
| 75                | 5674   | 6723    |
| 70                | 6060   | 6900    |
| 65                | 6335   | 7032    |
| 60                | 6530   | 7127    |
| 55                | 6666   | 7182    |
| 50                | 6766   | 7197    |
| 45                | 6832   | 7195    |

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

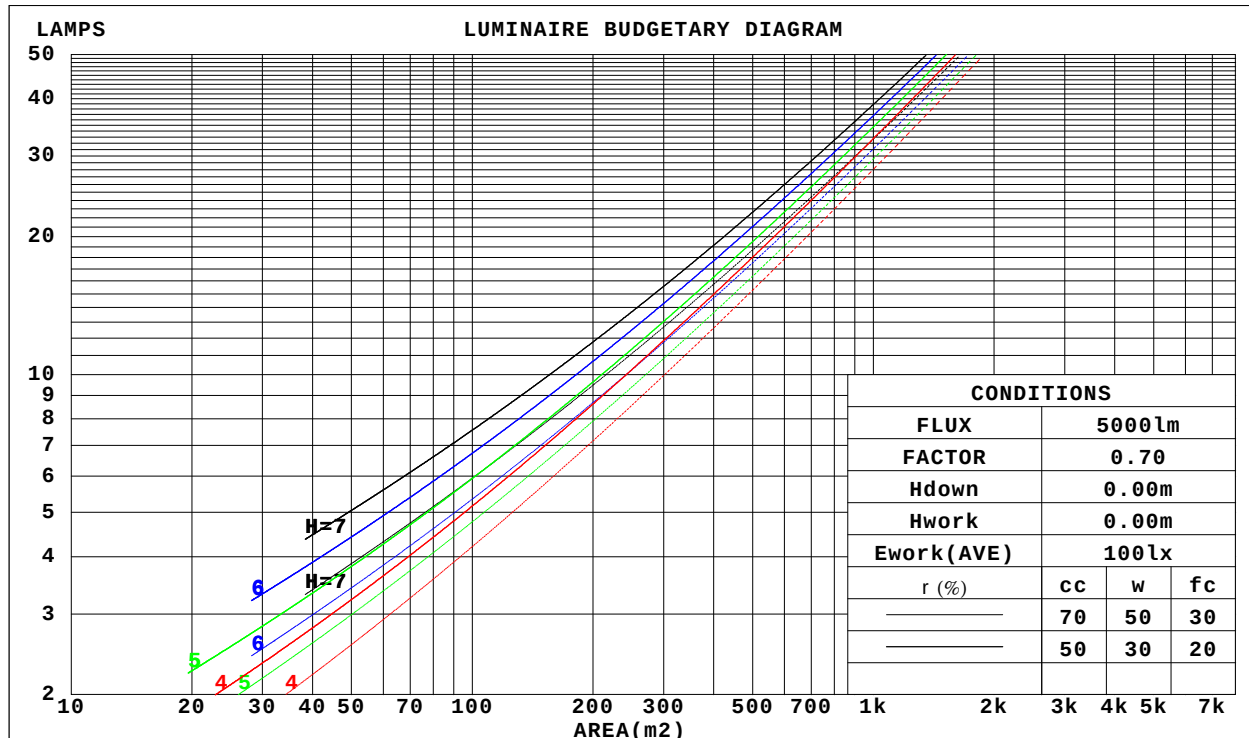
**g Range:** 0 - 90DEG  
**g Interval:** 1.0DEG  
**Test System:** EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
**Humidity:** 65.0%  
**Test Distance:** 8.300m [K=1.0723]  
**Remarks:**

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 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  | 1.01                            | .96  | .93  | .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  | .68  |
| 3.0  | .78                   | .69  | .62  | .76                             | .68  | .62  | .73  | .66  | .61  | .70  | .65  | .60  | .68  | .63  | .59  | .56  |
| 4.0  | .69                   | .59  | .53  | .67                             | .59  | .52  | .65  | .57  | .51  | .62  | .56  | .51  | .60  | .55  | .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  | .39  | .50  | .43  | .38  | .49  | .43  | .38  | .36  |
| 7.0  | .50                   | .41  | .34  | .49                             | .40  | .34  | .47  | .40  | .34  | .46  | .39  | .34  | .44  | .38  | .33  | .31  |
| 8.0  | .45                   | .37  | .31  | .45                             | .36  | .30  | .43  | .36  | .30  | .42  | .35  | .30  | .41  | .35  | .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  | .30  | .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:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 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  | .330                                                  | .188 | .059 | .323 | .184 | .058 | .309 | .177 | .057 | .297 | .171 | .055 | .286 | .166 | .053 |   |
| 2.0  | .305                                                  | .167 | .051 | .299 | .165 | .051 | .287 | .160 | .050 | .276 | .155 | .049 | .266 | .151 | .047 |   |
| 3.0  | .280                                                  | .149 | .045 | .275 | .147 | .044 | .264 | .143 | .044 | .254 | .139 | .043 | .245 | .136 | .042 |   |
| 4.0  | .257                                                  | .134 | .039 | .252 | .132 | .039 | .243 | .129 | .038 | .234 | .126 | .038 | .226 | .123 | .037 |   |
| 5.0  | .237                                                  | .121 | .035 | .232 | .119 | .035 | .224 | .117 | .034 | .216 | .114 | .034 | .209 | .112 | .034 |   |
| 6.0  | .219                                                  | .110 | .031 | .215 | .109 | .031 | .207 | .106 | .031 | .201 | .104 | .031 | .194 | .102 | .030 |   |
| 7.0  | .203                                                  | .100 | .028 | .200 | .099 | .028 | .193 | .098 | .028 | .187 | .096 | .028 | .181 | .094 | .028 |   |
| 8.0  | .189                                                  | .092 | .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 | .154 | .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 | .155 | .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   | .166                                                             | .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 | .089 | .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:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 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                                                                    | 19.4          | 21.0             | 19.7 | 21.2 | 21.4  | 19.7          | 21.3           | 20.0             | 21.5 | 21.7 |  |
|                                                                                  | 21.0          | 22.4             | 21.3 | 22.7 | 22.9  | 21.4          | 22.9           | 21.7             | 23.1 | 23.3 |  |
|                                                                                  | 21.6          | 23.0             | 21.9 | 23.2 | 23.5  | 22.1          | 23.5           | 22.5             | 23.8 | 24.0 |  |
|                                                                                  | 22.1          | 23.4             | 22.4 | 23.6 | 23.9  | 22.7          | 24.0           | 23.1             | 24.3 | 24.6 |  |
|                                                                                  | 22.2          | 23.5             | 22.6 | 23.8 | 24.1  | 23.0          | 24.2           | 23.3             | 24.5 | 24.8 |  |
|                                                                                  | 22.3          | 23.5             | 22.7 | 23.8 | 24.1  | 23.1          | 24.3           | 23.5             | 24.6 | 24.9 |  |
| 4H                                                                               | 2H            | 20.1             | 21.5 | 20.4 | 21.7  | 22.0          | 20.3           | 21.7             | 20.6 | 22.0 |  |
|                                                                                  | 3H            | 21.8             | 23.1 | 22.2 | 23.4  | 23.7          | 22.2           | 23.4             | 22.6 | 23.7 |  |
|                                                                                  | 4H            | 22.6             | 23.7 | 23.0 | 24.0  | 24.4          | 23.1           | 24.2             | 23.5 | 24.5 |  |
|                                                                                  | 6H            | 23.2             | 24.2 | 23.6 | 24.6  | 24.9          | 23.8           | 24.8             | 24.2 | 25.2 |  |
|                                                                                  | 8H            | 23.4             | 24.3 | 23.8 | 24.7  | 25.1          | 24.1           | 25.0             | 24.5 | 25.4 |  |
|                                                                                  | 12H           | 23.6             | 24.4 | 24.0 | 24.8  | 25.2          | 24.3           | 25.2             | 24.8 | 25.6 |  |
| 8H                                                                               | 4H            | 22.9             | 23.9 | 23.4 | 24.2  | 24.6          | 23.4           | 24.3             | 23.8 | 24.7 |  |
|                                                                                  | 6H            | 23.7             | 24.5 | 24.2 | 24.9  | 25.3          | 24.3           | 25.0             | 24.7 | 25.4 |  |
|                                                                                  | 8H            | 24.0             | 24.7 | 24.5 | 25.1  | 25.6          | 24.6           | 25.3             | 25.1 | 25.8 |  |
|                                                                                  | 12H           | 24.2             | 24.8 | 24.7 | 25.3  | 25.8          | 25.0           | 25.6             | 25.5 | 26.0 |  |
| 12H                                                                              | 4H            | 23.0             | 23.8 | 23.4 | 24.2  | 24.6          | 23.4           | 24.2             | 23.8 | 24.6 |  |
|                                                                                  | 6H            | 23.8             | 24.5 | 24.3 | 24.9  | 25.4          | 24.3           | 25.0             | 24.8 | 25.4 |  |
|                                                                                  | 8H            | 24.2             | 24.8 | 24.6 | 25.2  | 25.7          | 24.8           | 25.4             | 25.2 | 25.8 |  |
| Variations with the observer position at spacings:                               |               |                  |      |      |       |               |                |                  |      |      |  |
| S = 1.0H                                                                         | + 0.1 / - 0.2 |                  |      |      |       | + 0.1 / - 0.2 |                |                  |      |      |  |
| 1.5H                                                                             | + 0.2 / - 0.3 |                  |      |      |       | + 0.2 / - 0.3 |                |                  |      |      |  |
| 2.0H                                                                             | + 0.2 / - 0.4 |                  |      |      |       | + 0.1 / - 0.3 |                |                  |      |      |  |

CIE Pub.117, 2221 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.8$ )

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:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 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                                                  | 71  | 63        | 80  | 70  | 63  | 77  | 68            | 62  | 54     |
| 1.50                             | 87                                                  | 76  | 69        | 85  | 75  | 68  | 82  | 73            | 67  | 59     |
| 2.00                             | 94                                                  | 85  | 78        | 92  | 83  | 77  | 88  | 81            | 76  | 67     |
| 2.50                             | 98                                                  | 89  | 83        | 96  | 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 |     |        |

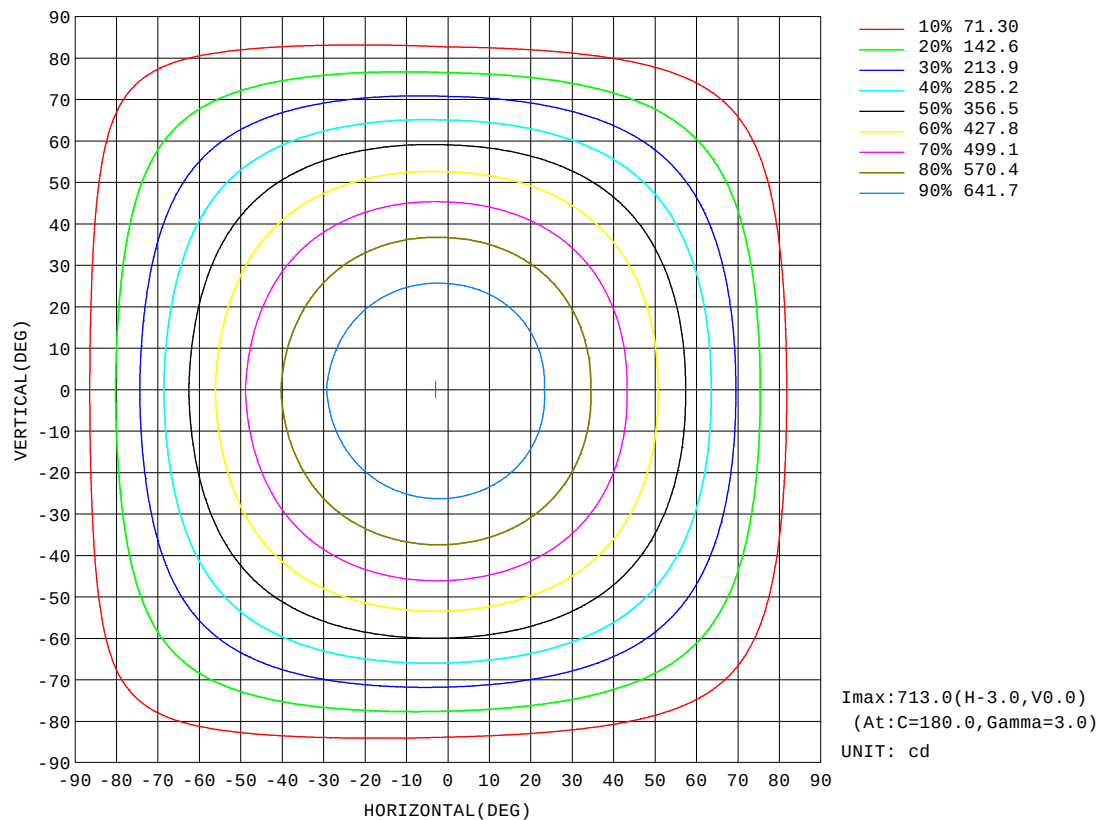
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:13 March 2024

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:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 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

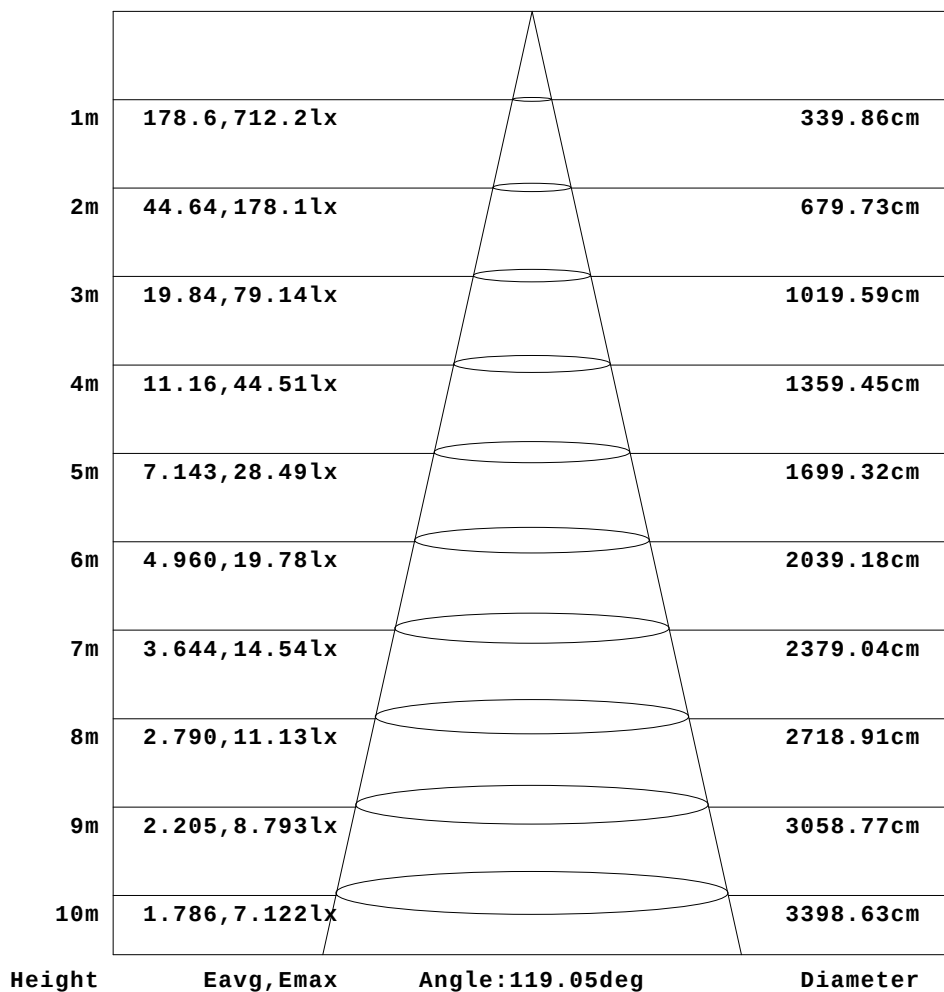
g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 8.300m [K=1.0723]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

Flux out:1683 lm



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

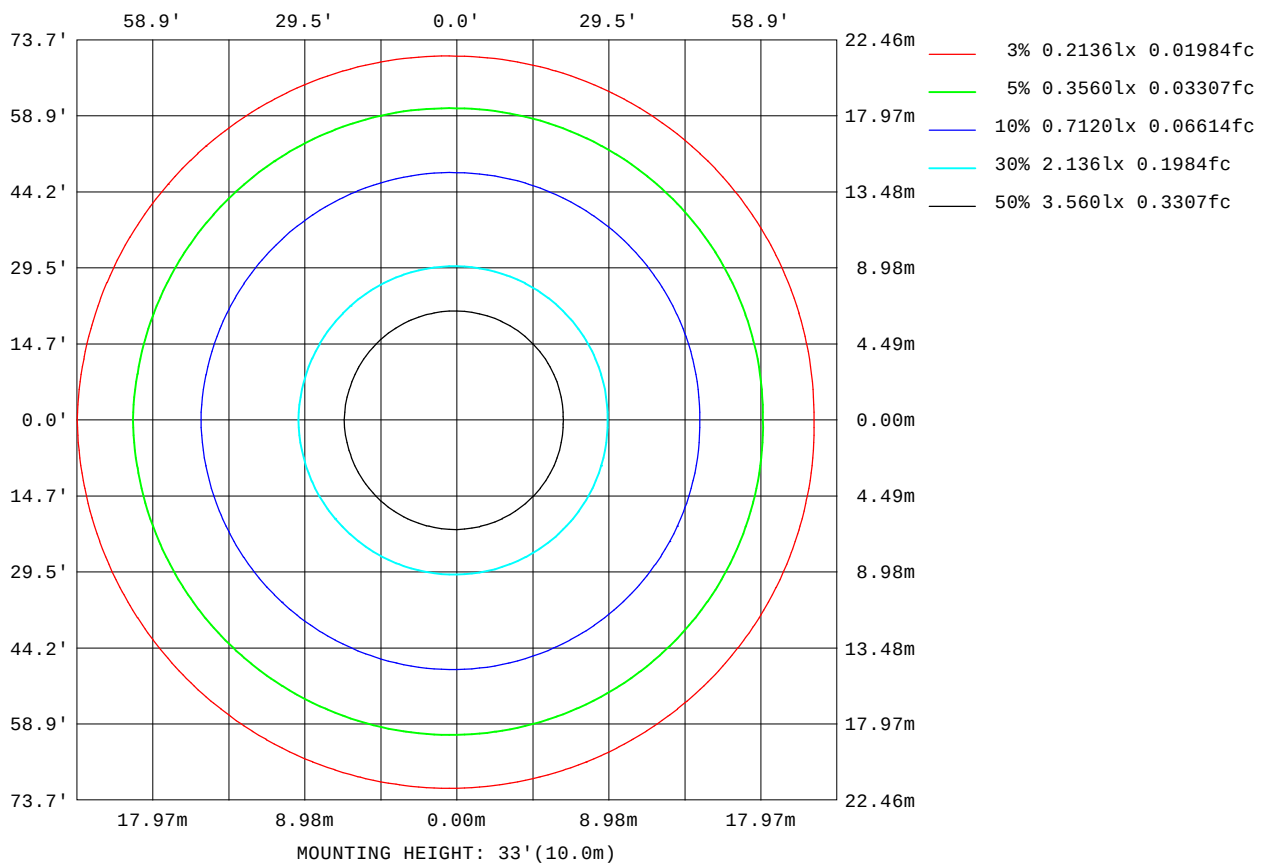
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:13 March 2024

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:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 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:120.36V I:0.1289A P:15.213W PF:0.9808 Freq:59.98Hz Lamp Flux:2220.82x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:100-277v                                                                   | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

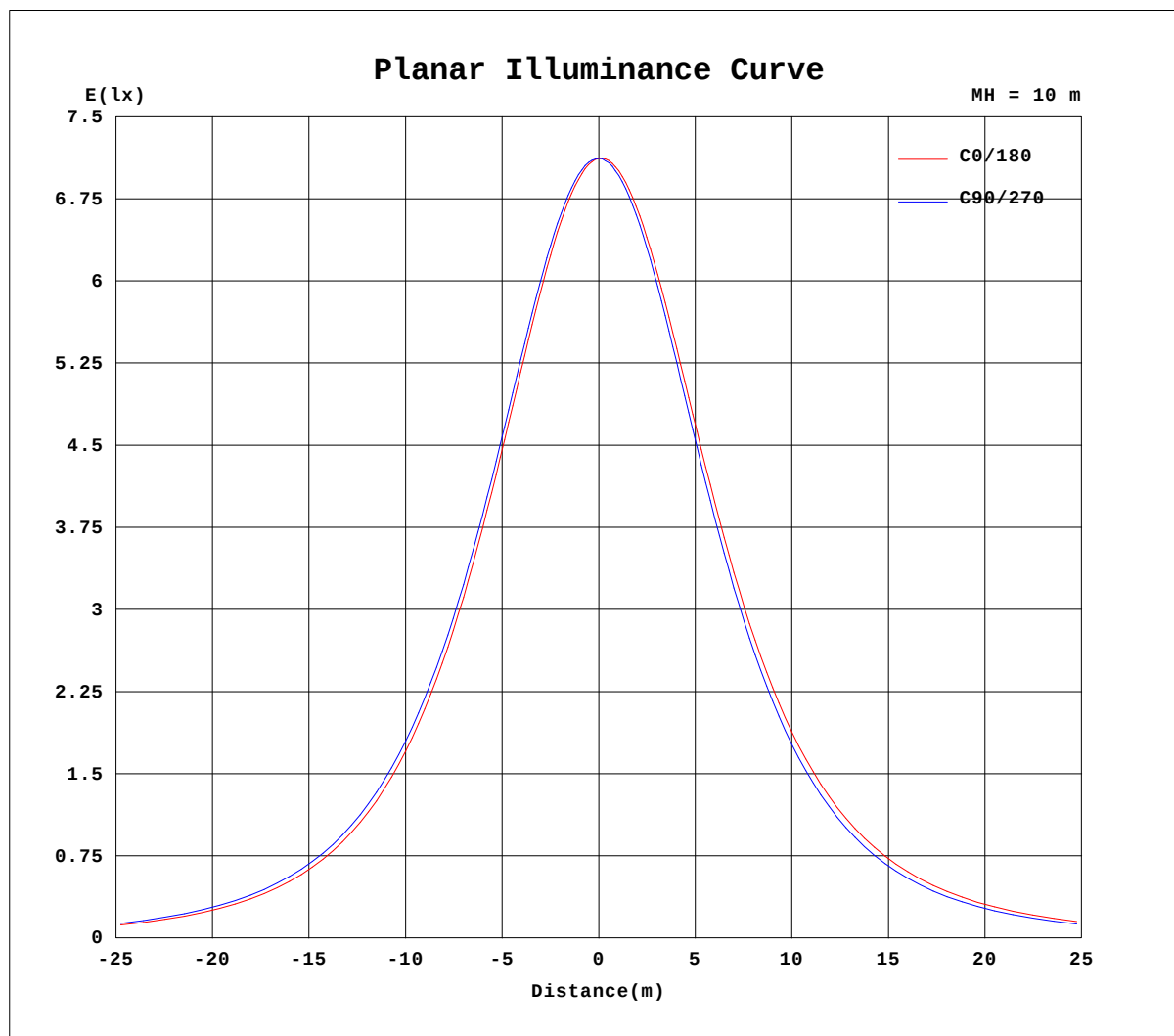
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 7049  |
| L_0~180(75)av  | 6825  |
| L_0~180(85)av  | 7221  |
| L_90~270(65)av | 6887  |
| L_90~270(75)av | 6445  |
| L_90~270(85)av | 6127  |
| L_45(65)av     | 6992  |
| L_45(75)av     | 6659  |
| L_45(85)av     | 6711  |

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:**

UNIT: cd

```

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:

```

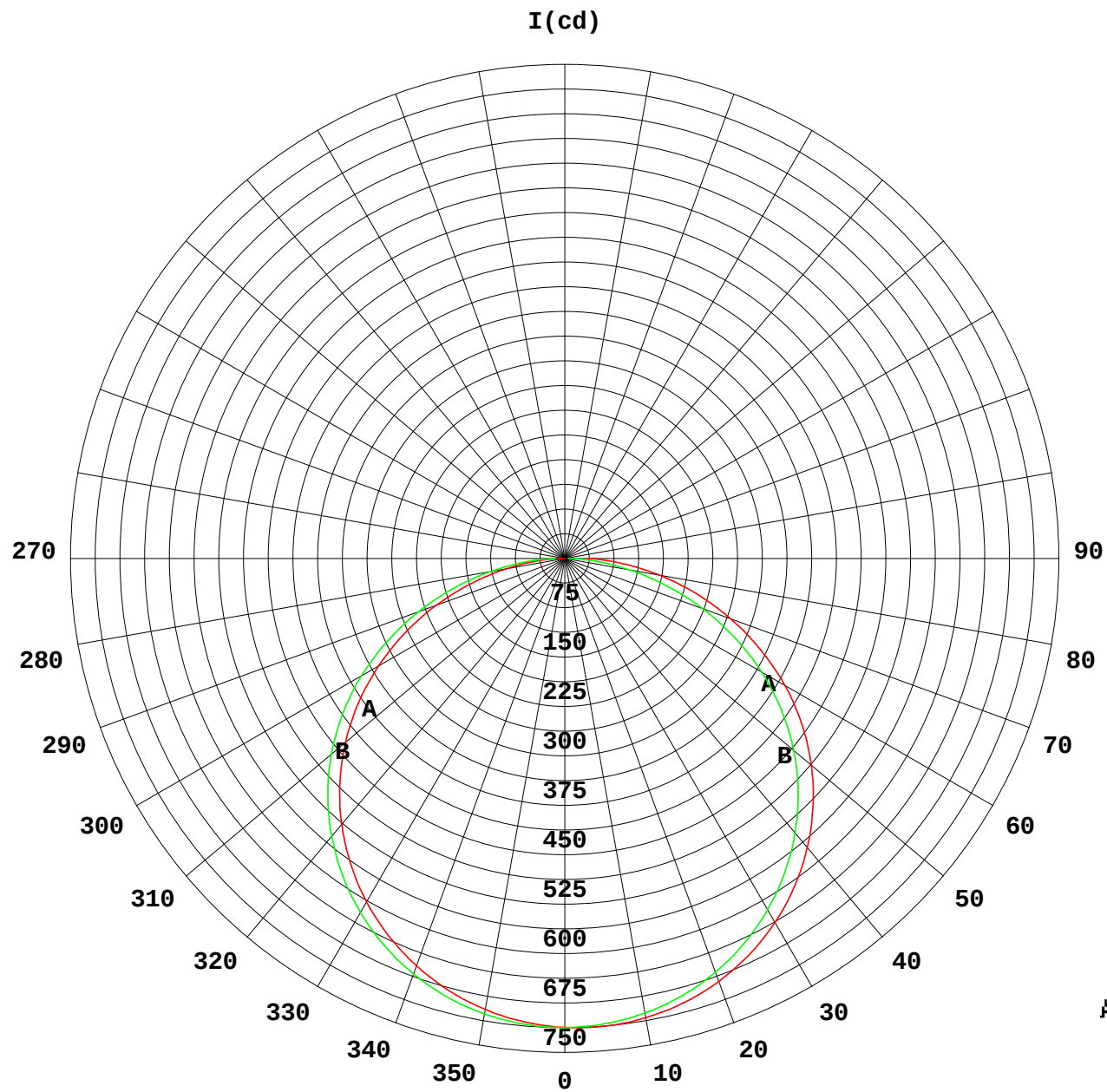
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### Photometric Data Table [cd]

| G/C  | 0.0   | 90.0  | 180.0 | 270.0 |
|------|-------|-------|-------|-------|
| 0.0  | 712.0 | 712.1 | 712.0 | 712.1 |
| 3.0  | 709.2 | 711.4 | 713.0 | 710.9 |
| 6.0  | 704.3 | 708.9 | 712.3 | 707.8 |
| 9.0  | 698.0 | 704.0 | 709.4 | 702.7 |
| 12.0 | 689.6 | 697.8 | 704.6 | 695.9 |
| 15.0 | 679.2 | 689.5 | 698.2 | 687.4 |
| 18.0 | 667.1 | 679.2 | 690.0 | 676.6 |
| 21.0 | 653.6 | 667.1 | 679.6 | 663.9 |
| 24.0 | 637.8 | 653.5 | 667.6 | 649.7 |
| 27.0 | 620.8 | 637.8 | 653.7 | 633.6 |
| 30.0 | 601.9 | 620.4 | 638.2 | 615.8 |
| 33.0 | 581.5 | 601.6 | 620.6 | 596.4 |
| 36.0 | 559.0 | 580.7 | 601.3 | 574.9 |
| 39.0 | 535.1 | 558.4 | 580.1 | 551.9 |
| 42.0 | 510.1 | 534.6 | 557.6 | 527.4 |
| 45.0 | 483.1 | 508.8 | 533.0 | 501.0 |
| 48.0 | 454.4 | 481.7 | 506.9 | 473.1 |
| 51.0 | 424.5 | 452.9 | 479.1 | 443.6 |
| 54.0 | 393.3 | 422.3 | 449.6 | 412.2 |
| 57.0 | 360.2 | 390.2 | 418.5 | 379.0 |
| 60.0 | 326.5 | 356.3 | 386.1 | 345.0 |
| 63.0 | 291.5 | 321.1 | 350.9 | 309.1 |
| 66.0 | 255.5 | 284.9 | 315.9 | 272.6 |
| 69.0 | 219.8 | 248.6 | 280.3 | 235.3 |
| 72.0 | 183.2 | 211.2 | 243.5 | 197.5 |
| 75.0 | 146.8 | 174.0 | 206.4 | 159.6 |
| 78.0 | 112.3 | 137.9 | 169.7 | 123.5 |
| 81.0 | 79.25 | 102.8 | 133.4 | 88.98 |
| 84.0 | 48.38 | 69.91 | 98.42 | 57.03 |
| 87.0 | 20.51 | 40.40 | 65.57 | 28.66 |
| 90.0 | 0     | 14.08 | 34.40 | 5.224 |

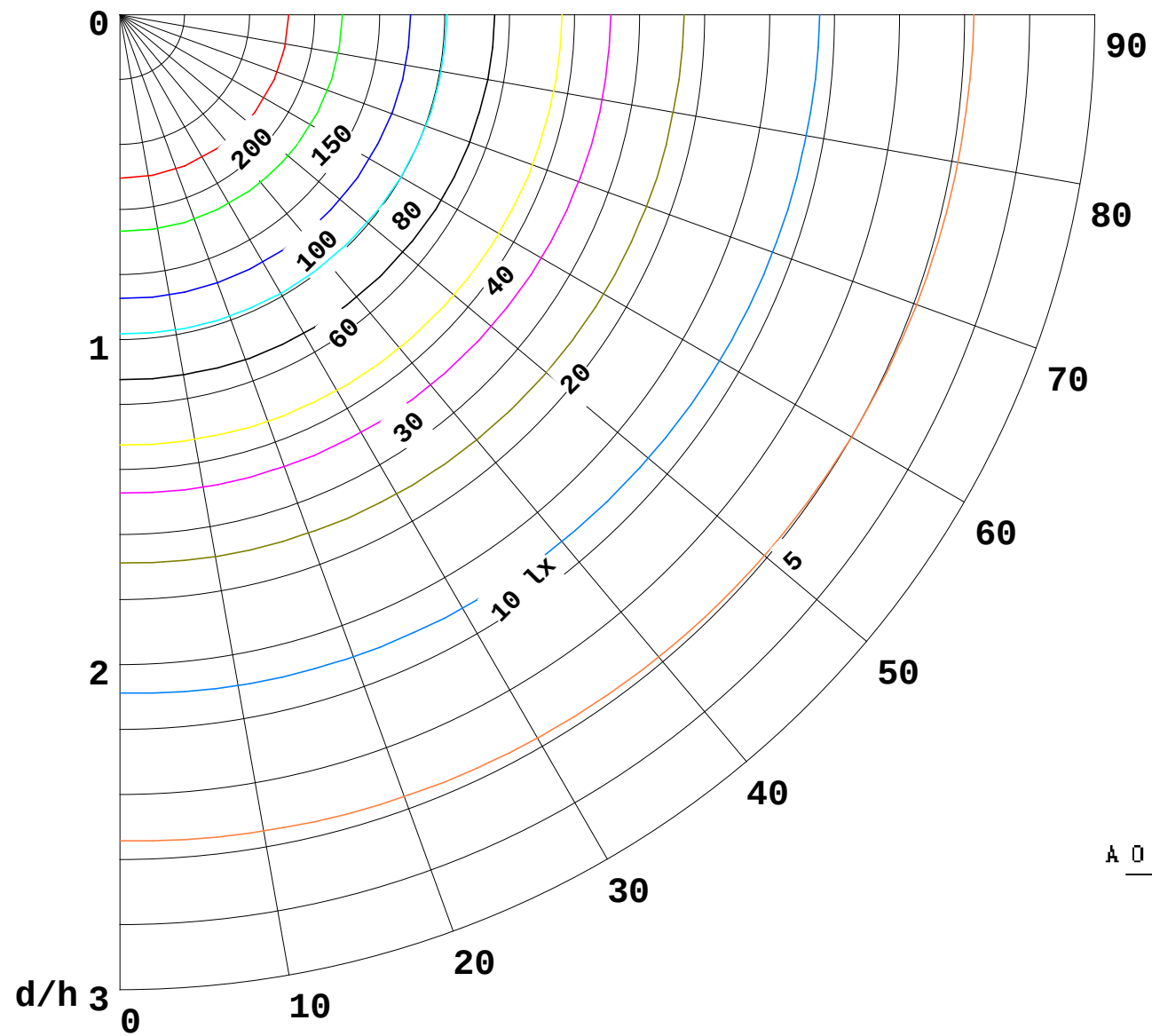
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 13 March 2024

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  |

