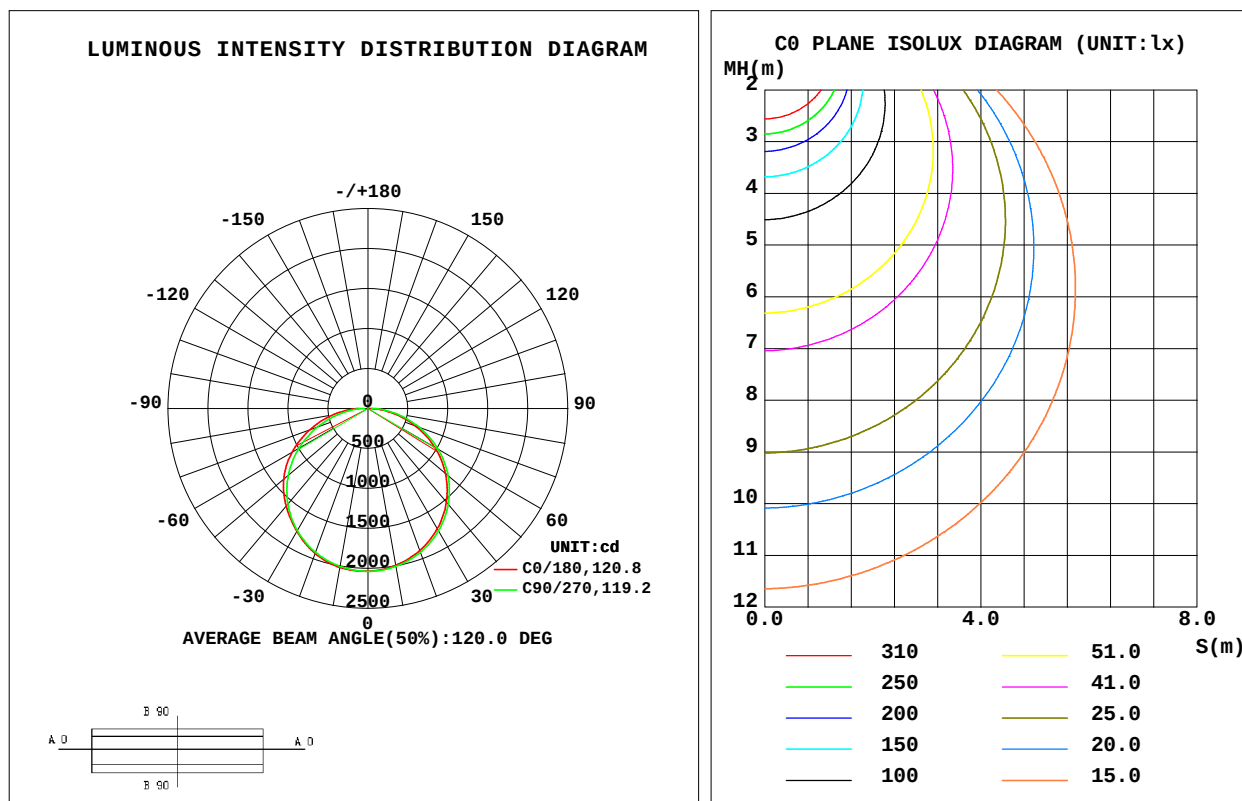


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

| DATA OF LAMP     |          | PHOTOMETRIC DATA Eff: 136.91 lm/W |        |                    |          |
|------------------|----------|-----------------------------------|--------|--------------------|----------|
| MODEL            |          | I <sub>max</sub> (cd)             | 2037   | S/MH(C0/180)       | 1.30     |
| NOMINAL POWER(W) | 50w      | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.29     |
| RATED VOLTAGE(V) | 120-277v | TOTAL FLUX(lm)                    | 6400.2 | h UP, DN(C0-180)   | 0.0,48.8 |
| NOMINAL FLUX(lm) | 6400.24  | CIE CLASS                         | DIRECT | h UP, DN(C180-360) | 0.0,51.2 |
| 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: 赢  
Test Date:2024-03-30

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=1.0000]  
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  | 1993                  | 2006  | 2019  | 2007  |  |  |  |  | 0- 10   | 192.9    | 192.9   | 3.01, 3.01 |
| 20  | 1893                  | 1916  | 1931  | 1916  |  |  |  |  | 10- 20  | 555.6    | 748.5   | 11.7, 11.7 |
| 30  | 1736                  | 1766  | 1778  | 1767  |  |  |  |  | 20- 30  | 850.4    | 1599    | 25, 25     |
| 40  | 1526                  | 1563  | 1592  | 1560  |  |  |  |  | 30- 40  | 1043     | 2642    | 41.3, 41.3 |
| 50  | 1266                  | 1310  | 1376  | 1303  |  |  |  |  | 40- 50  | 1113     | 3755    | 58.7, 58.7 |
| 60  | 960.5                 | 1011  | 1099  | 999.3 |  |  |  |  | 50- 60  | 1046     | 4801    | 75, 75     |
| 70  | 624.7                 | 677.2 | 772.8 | 665.2 |  |  |  |  | 60- 70  | 844.5    | 5646    | 88.2, 88.2 |
| 80  | 289.2                 | 339.7 | 430.8 | 330.2 |  |  |  |  | 70- 80  | 543.7    | 6190    | 96.7, 96.7 |
| 90  | 5.889                 | 49.63 | 110.3 | 43.58 |  |  |  |  | 80- 90  | 210.6    | 6400    | 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 |         |            |

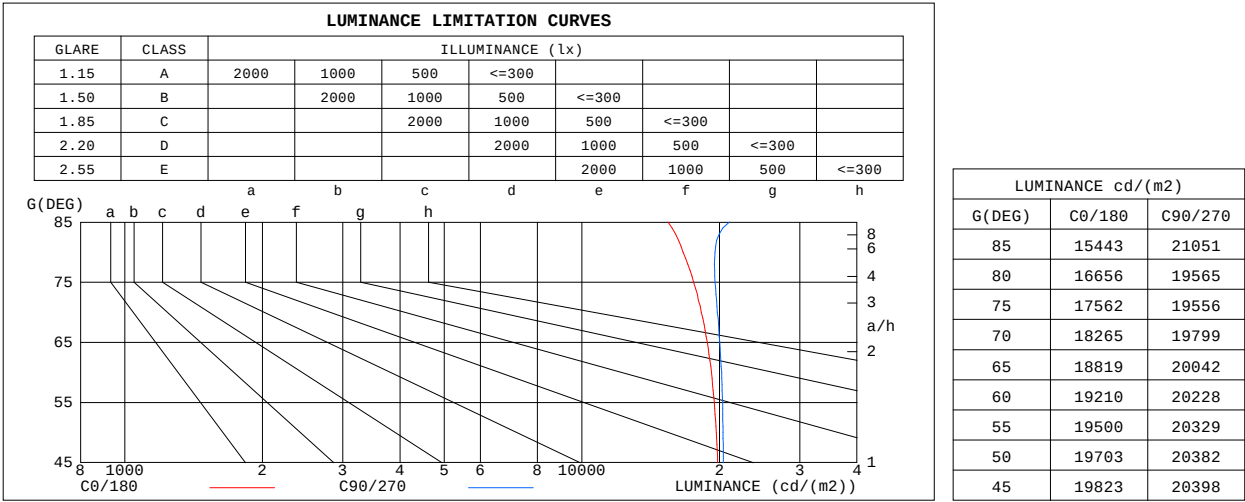
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: 赢  
Test Date:2024-03-30

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=1.0000]  
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: 赢  
Test Date:2024-03-30

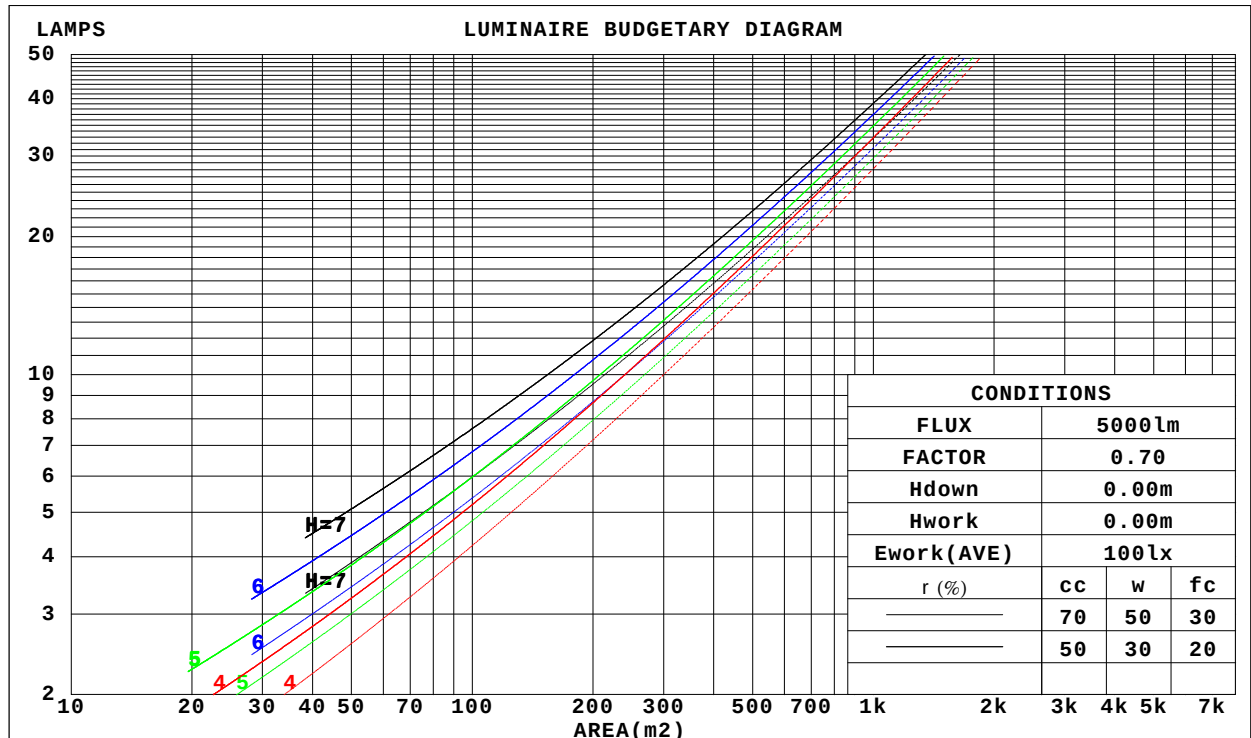
g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | 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  | .92  | .89  | .92  | .89  | .86  | .88  | .86  | .84  | .82  |
| 2.0  | .89                   | .81  | .75  | .87                             | .80  | .74  | .83  | .77  | .73  | .80  | .75  | .71  | .77  | .73  | .69  | .67  |
| 3.0  | .77                   | .69  | .62  | .76                             | .68  | .61  | .73  | .66  | .60  | .70  | .64  | .59  | .67  | .62  | .58  | .56  |
| 4.0  | .68                   | .59  | .52  | .67                             | .58  | .52  | .64  | .57  | .51  | .62  | .55  | .50  | .60  | .54  | .50  | .47  |
| 5.0  | .61                   | .51  | .45  | .60                             | .51  | .44  | .57  | .50  | .44  | .55  | .49  | .43  | .54  | .48  | .43  | .41  |
| 6.0  | .55                   | .45  | .39  | .54                             | .45  | .39  | .52  | .44  | .38  | .50  | .43  | .38  | .48  | .42  | .37  | .35  |
| 7.0  | .49                   | .40  | .34  | .49                             | .40  | .34  | .47  | .39  | .34  | .46  | .39  | .33  | .44  | .38  | .33  | .31  |
| 8.0  | .45                   | .36  | .30  | .44                             | .36  | .30  | .43  | .35  | .30  | .42  | .35  | .30  | .40  | .34  | .30  | .28  |
| 9.0  | .41                   | .33  | .27  | .41                             | .33  | .27  | .39  | .32  | .27  | .38  | .32  | .27  | .37  | .31  | .27  | .25  |
| 10.0 | .38                   | .30  | .25  | .37                             | .30  | .24  | .36  | .29  | .24  | .36  | .29  | .24  | .35  | .29  | .24  | .22  |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators: 贏  
 Test Date:2024-03-30

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=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

|                                                                                  |  |  |       |  |                  |
|----------------------------------------------------------------------------------|--|--|-------|--|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |  |  |       |  |                  |
| NAME:                                                                            |  |  | TYPE: |  | WEIGHT:          |
| SPEC.:50w 5000k                                                                  |  |  | 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  | .335                                                                       | .191 | .060 | .328 | .187 | .059 | .315 | .181 | .058 | .302 | .174 | .056 | .291 | .169 | .054 |   |
| 2.0  | .309                                                                       | .169 | .052 | .303 | .167 | .051 | .291 | .162 | .050 | .280 | .157 | .049 | .270 | .152 | .048 |   |
| 3.0  | .283                                                                       | .150 | .045 | .277 | .148 | .045 | .266 | .144 | .044 | .257 | .141 | .043 | .248 | .137 | .042 |   |
| 4.0  | .259                                                                       | .134 | .040 | .254 | .133 | .039 | .244 | .130 | .039 | .236 | .127 | .038 | .228 | .124 | .038 |   |
| 5.0  | .238                                                                       | .121 | .035 | .233 | .120 | .035 | .225 | .117 | .035 | .217 | .115 | .034 | .210 | .112 | .034 |   |
| 6.0  | .220                                                                       | .110 | .032 | .216 | .109 | .031 | .208 | .107 | .031 | .202 | .105 | .031 | .195 | .103 | .030 |   |
| 7.0  | .204                                                                       | .101 | .029 | .200 | .100 | .028 | .194 | .098 | .028 | .188 | .096 | .028 | .182 | .094 | .028 |   |
| 8.0  | .190                                                                       | .093 | .026 | .187 | .092 | .026 | .181 | .090 | .026 | .175 | .089 | .026 | .170 | .087 | .025 |   |
| 9.0  | .177                                                                       | .086 | .024 | .175 | .085 | .024 | .169 | .084 | .024 | .164 | .082 | .024 | .160 | .081 | .023 |   |
| 10.0 | .167                                                                       | .080 | .022 | .164 | .079 | .022 | .159 | .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   | .190                                                             | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0   | .182                                                             | .156 | .132 | .156 | .134 | .114 | .107 | .092 | .079 | .061 | .053 | .046 | .020 | .017 | .015 |   |
| 2.0   | .175                                                             | .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 | .137 | .087 | .049 | .094 | .061 | .035 | .054 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0   | .152                                                             | .091 | .046 | .130 | .079 | .040 | .090 | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .006 |   |
| 6.0   | .144                                                             | .083 | .038 | .124 | .072 | .033 | .086 | .050 | .024 | .050 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0   | .137                                                             | .076 | .033 | .118 | .066 | .028 | .082 | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0   | .131                                                             | .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  | .119                                                             | .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: 贏  
Test Date:2024-03-30

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=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |      |      |       |               |                |                  |      |      |      |
|----------------------------------------------------------------------------------|---------------|------------------|------|------|-------|---------------|----------------|------------------|------|------|------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |               |                  |      |      |       |               |                |                  |      |      |      |
| NAME:                                                                            |               |                  |      |      | TYPE: |               |                | WEIGHT:          |      |      |      |
| SPEC.:50w 5000k                                                                  |               |                  |      |      | DIM.: |               |                | SERIAL No.:      |      |      |      |
| MFR.:                                                                            |               |                  |      |      | SUR.: |               |                | Shielding Angle: |      |      |      |
| ceiling/cavity                                                                   | 0.7           | 0.7              | 0.5  | 0.5  | 0.3   | 0.7           | 0.7            | 0.5              | 0.5  | 0.3  |      |
| walls                                                                            | 0.5           | 0.3              | 0.5  | 0.3  | 0.3   | 0.5           | 0.3            | 0.5              | 0.3  | 0.3  |      |
| working plane                                                                    | 0.2           | 0.2              | 0.2  | 0.2  | 0.2   | 0.2           | 0.2            | 0.2              | 0.2  | 0.2  |      |
| Room dimensions                                                                  |               | Viewed crosswise |      |      |       |               | Viewed endwise |                  |      |      |      |
| x = 2H y = 2H                                                                    | 23.1          | 24.7             | 23.4 | 24.9 | 25.1  | 23.3          | 24.9           | 23.6             | 25.1 | 25.3 |      |
|                                                                                  | 3H            | 24.8             | 26.2 | 25.1 | 26.5  | 26.7          | 25.1           | 26.5             | 25.4 | 26.7 | 27.0 |
|                                                                                  | 4H            | 25.5             | 26.9 | 25.8 | 27.1  | 27.4          | 25.8           | 27.2             | 26.1 | 27.4 | 27.7 |
|                                                                                  | 6H            | 26.0             | 27.3 | 26.3 | 27.6  | 27.9          | 26.4           | 27.7             | 26.8 | 28.0 | 28.3 |
|                                                                                  | 8H            | 26.2             | 27.5 | 26.5 | 27.7  | 28.0          | 26.7           | 27.9             | 27.0 | 28.2 | 28.5 |
|                                                                                  | 12H           | 26.3             | 27.5 | 26.7 | 27.8  | 28.1          | 26.9           | 28.1             | 27.2 | 28.4 | 28.7 |
| 4H                                                                               | 2H            | 23.8             | 25.2 | 24.1 | 25.5  | 25.7          | 24.0           | 25.3             | 24.3 | 25.6 | 25.9 |
|                                                                                  | 3H            | 25.7             | 26.9 | 26.0 | 27.2  | 27.5          | 25.9           | 27.1             | 26.2 | 27.4 | 27.7 |
|                                                                                  | 4H            | 26.5             | 27.6 | 26.9 | 27.9  | 28.3          | 26.8           | 27.9             | 27.1 | 28.2 | 28.6 |
|                                                                                  | 6H            | 27.2             | 28.2 | 27.6 | 28.5  | 28.9          | 27.5           | 28.5             | 27.9 | 28.9 | 29.3 |
|                                                                                  | 8H            | 27.4             | 28.3 | 27.8 | 28.7  | 29.1          | 27.9           | 28.8             | 28.3 | 29.2 | 29.5 |
|                                                                                  | 12H           | 27.6             | 28.5 | 28.0 | 28.8  | 29.2          | 28.1           | 29.0             | 28.6 | 29.4 | 29.8 |
| 8H                                                                               | 4H            | 26.8             | 27.8 | 27.2 | 28.1  | 28.5          | 27.1           | 28.0             | 27.5 | 28.4 | 28.8 |
|                                                                                  | 6H            | 27.7             | 28.5 | 28.1 | 28.9  | 29.3          | 28.0           | 28.8             | 28.5 | 29.2 | 29.6 |
|                                                                                  | 8H            | 28.0             | 28.7 | 28.5 | 29.2  | 29.6          | 28.5           | 29.2             | 28.9 | 29.6 | 30.0 |
|                                                                                  | 12H           | 28.3             | 28.9 | 28.8 | 29.4  | 29.9          | 28.8           | 29.4             | 29.3 | 29.9 | 30.4 |
| 12H                                                                              | 4H            | 26.9             | 27.7 | 27.3 | 28.1  | 28.5          | 27.1           | 28.0             | 27.5 | 28.4 | 28.8 |
|                                                                                  | 6H            | 27.8             | 28.5 | 28.2 | 28.9  | 29.4          | 28.1           | 28.8             | 28.6 | 29.2 | 29.7 |
|                                                                                  | 8H            | 28.2             | 28.8 | 28.7 | 29.2  | 29.7          | 28.6           | 29.2             | 29.1 | 29.6 | 30.1 |
| 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 / - 0.3 |                  |      |      |       | + 0.1 / - 0.3 |                |                  |      |      |      |

CIE Pub.117, 6400 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.4$ )

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: 贏  
Test Date:2024-03-30

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=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UTILIZATION FACTORS TABLE

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | 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  | 36  | 54  | 43            | 36  | 30     |
| 0.80                             | 66                                                  | 54  | 46        | 65  | 53  | 46  | 63  | 52            | 45  | 38     |
| 1.00                             | 74                                                  | 62  | 55        | 73  | 62  | 54  | 70  | 63            | 54  | 47     |
| 1.25                             | 81                                                  | 70  | 63        | 80  | 69  | 62  | 77  | 68            | 61  | 54     |
| 1.50                             | 86                                                  | 76  | 68        | 84  | 75  | 68  | 81  | 73            | 67  | 59     |
| 2.00                             | 93                                                  | 84  | 77        | 91  | 83  | 77  | 88  | 81            | 75  | 67     |
| 2.50                             | 97                                                  | 89  | 83        | 95  | 88  | 82  | 91  | 85            | 80  | 71     |
| 3.00                             | 101                                                 | 93  | 88        | 99  | 92  | 86  | 94  | 89            | 84  | 76     |
| 4.00                             | 105                                                 | 99  | 94        | 103 | 97  | 92  | 98  | 94            | 90  | 81     |
| 5.00                             | 108                                                 | 102 | 98        | 105 | 100 | 96  | 101 | 97            | 93  | 84     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

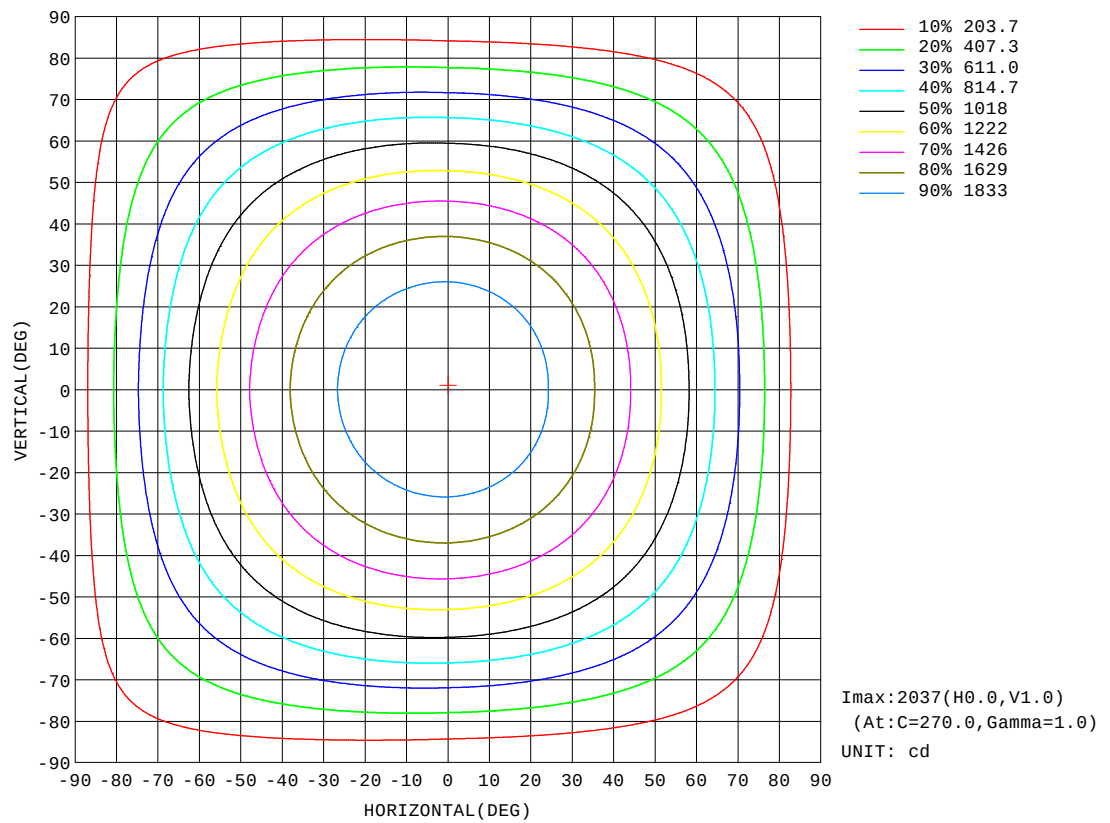
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators: 贏  
 Test Date:2024-03-30

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=1.0000]  
 Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOCANDELA DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: 贏  
Test Date:2024-03-30

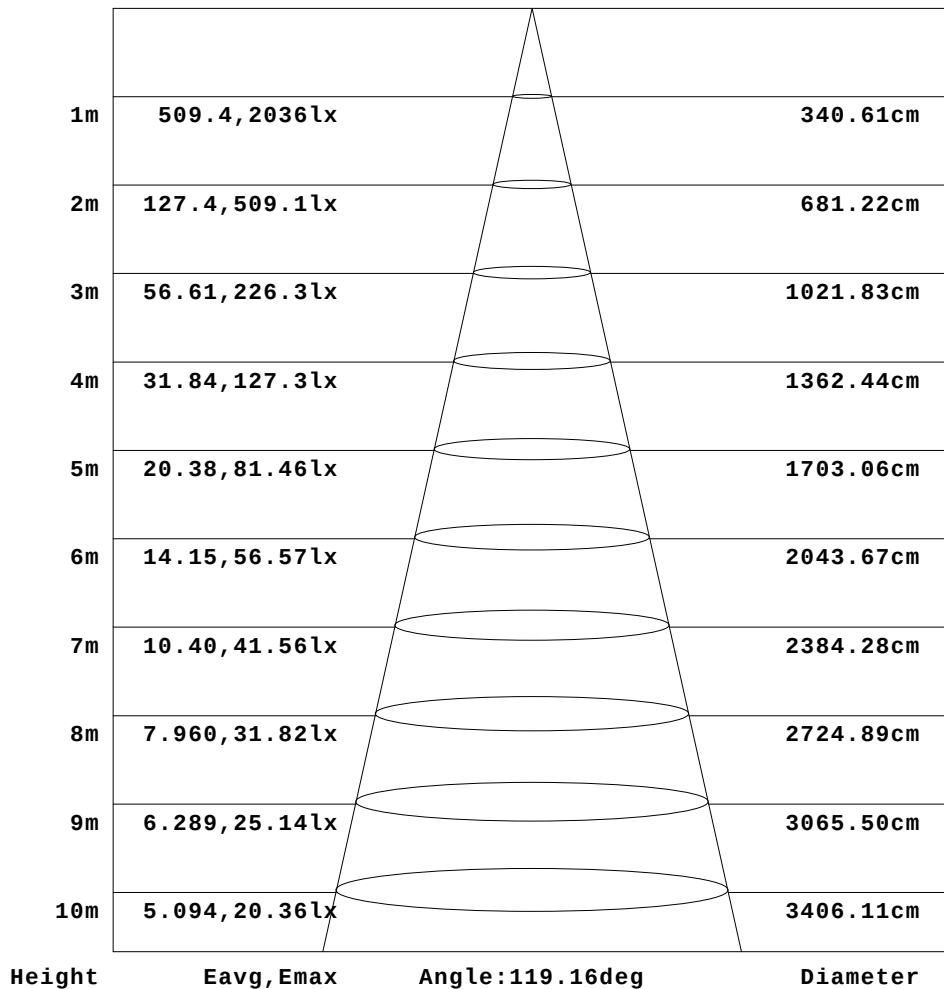
g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:8.300m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

Flux out:4801 lm



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

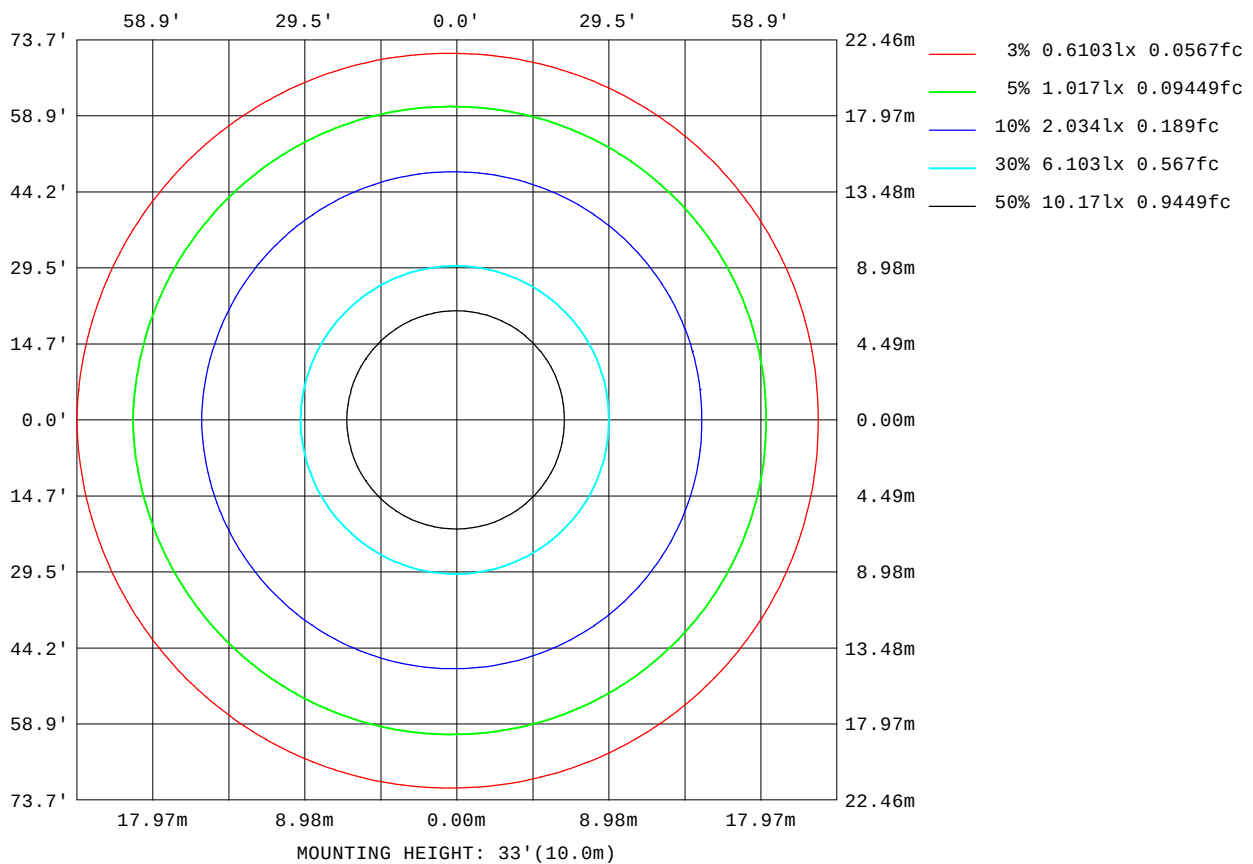
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: 贏  
Test Date:2024-03-30

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=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 贏  
Test Date: 2024-03-30

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=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LED Avg.L Report

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.21V I:0.3906A P:46.748W PF:0.9956 Freq:59.98Hz Lamp Flux:6400.24x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:50w 5000k                                                                  | DIM.: | SERIAL No.:      |
| MFR.:                                                                            | SUR.: | Shielding Angle: |

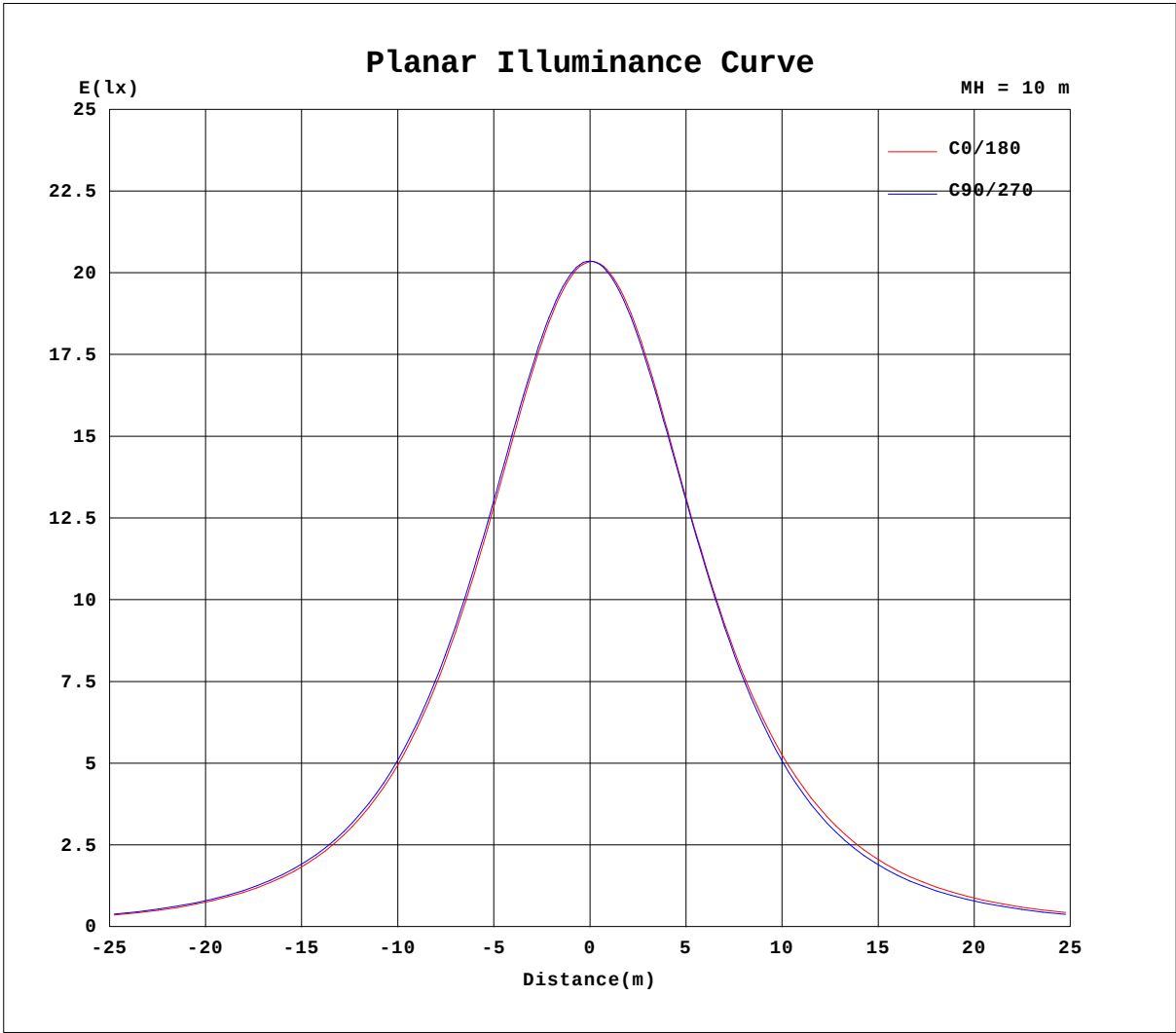
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 20524 |
| L_0~180(75)av  | 20399 |
| L_0~180(85)av  | 22892 |
| L_90~270(65)av | 19889 |
| L_90~270(75)av | 19344 |
| L_90~270(85)av | 20686 |
| L_45(65)av     | 20234 |
| L_45(75)av     | 19917 |
| L_45(85)av     | 21979 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: 赢  
Test Date:2024-03-30

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=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: 赢  
Test Date:2024-03-30

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=1.0000]  
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=1.0000]
Remarks:
```

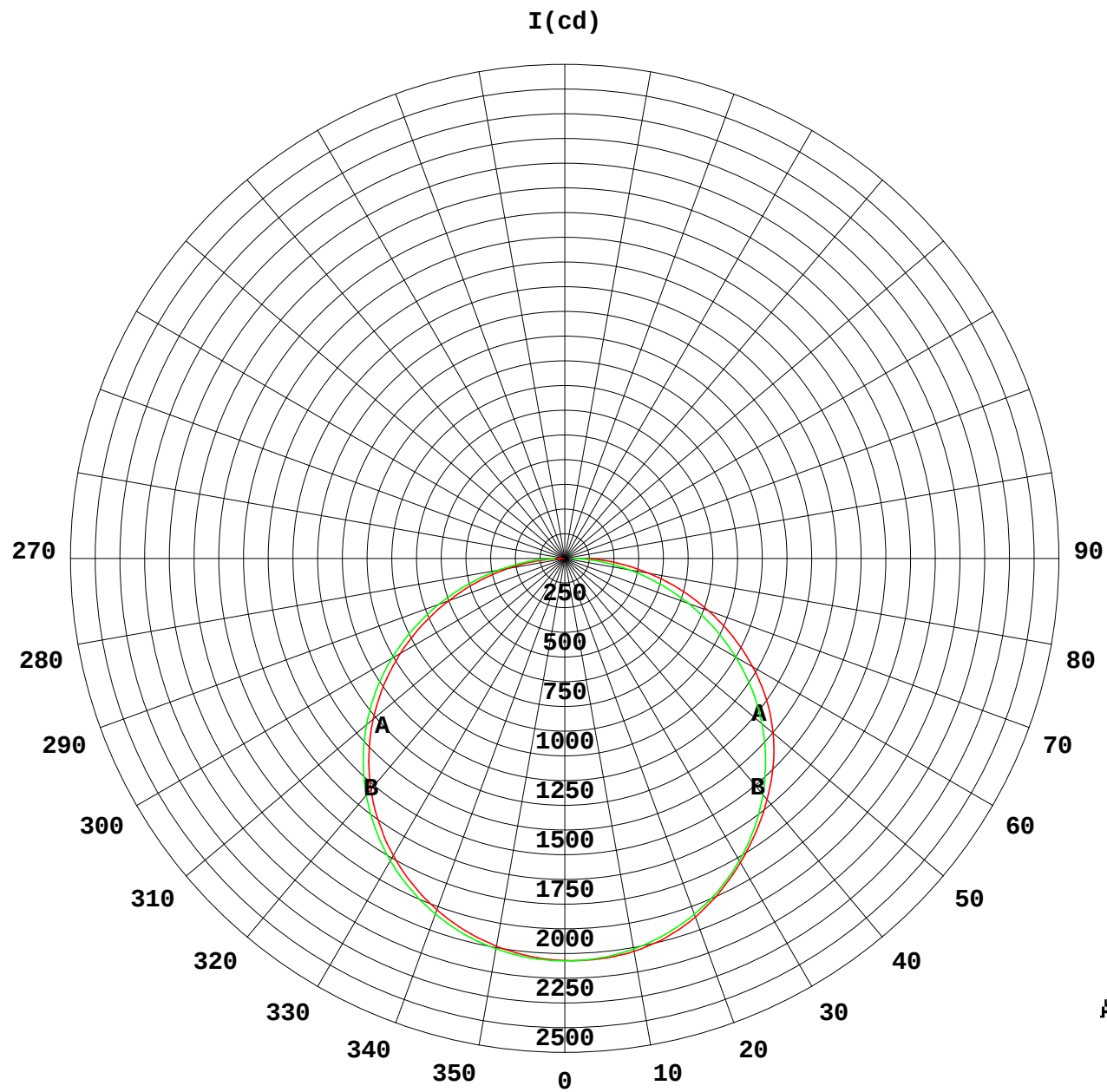
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

### Photometric Data Table [cd]

| G/C  | 0.0   | 90.0  | 180.0 | 270.0 |
|------|-------|-------|-------|-------|
| 0.0  | 2034  | 2036  | 2034  | 2036  |
| 3.0  | 2028  | 2033  | 2036  | 2034  |
| 6.0  | 2016  | 2025  | 2033  | 2027  |
| 9.0  | 2000  | 2011  | 2024  | 2012  |
| 12.0 | 1976  | 1992  | 2007  | 1993  |
| 15.0 | 1950  | 1969  | 1985  | 1969  |
| 18.0 | 1917  | 1938  | 1955  | 1939  |
| 21.0 | 1879  | 1903  | 1918  | 1903  |
| 24.0 | 1836  | 1861  | 1876  | 1864  |
| 27.0 | 1788  | 1816  | 1828  | 1817  |
| 30.0 | 1736  | 1766  | 1778  | 1767  |
| 33.0 | 1679  | 1711  | 1725  | 1710  |
| 36.0 | 1617  | 1650  | 1670  | 1649  |
| 39.0 | 1550  | 1586  | 1612  | 1583  |
| 42.0 | 1479  | 1516  | 1553  | 1512  |
| 45.0 | 1402  | 1442  | 1490  | 1437  |
| 48.0 | 1322  | 1364  | 1423  | 1357  |
| 51.0 | 1237  | 1282  | 1352  | 1273  |
| 54.0 | 1149  | 1195  | 1273  | 1186  |
| 57.0 | 1056  | 1105  | 1188  | 1093  |
| 60.0 | 960.5 | 1011  | 1099  | 999.3 |
| 63.0 | 862.0 | 913.4 | 1004  | 900.7 |
| 66.0 | 760.6 | 813.2 | 906.3 | 800.1 |
| 69.0 | 659.6 | 712.0 | 806.6 | 699.2 |
| 72.0 | 556.4 | 609.1 | 704.8 | 597.0 |
| 75.0 | 454.5 | 506.1 | 601.4 | 495.2 |
| 78.0 | 354.9 | 405.8 | 499.5 | 395.6 |
| 81.0 | 257.9 | 307.2 | 397.2 | 298.7 |
| 84.0 | 164.8 | 212.6 | 296.6 | 206.4 |
| 87.0 | 78.65 | 127.1 | 201.9 | 120.3 |
| 90.0 | 5.889 | 49.63 | 110.3 | 43.58 |

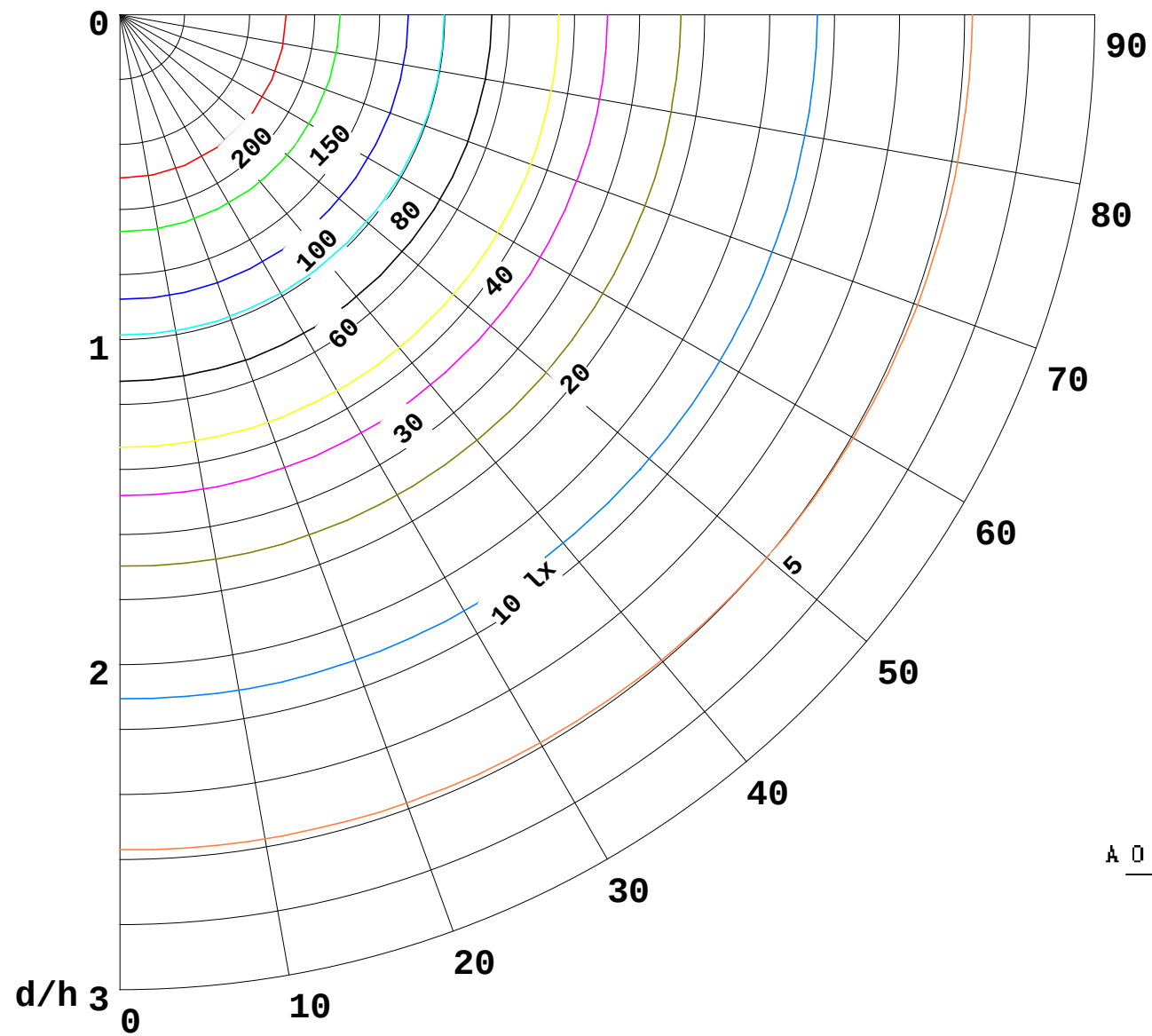
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 贏  
Test Date: 2024-03-30

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=1.0000]  
Remarks:



1000  $\text{lm}$

$K = 1$



F

=

5000 lm

K

=

0.7

Hcc

=

0.0 m

Hfc

=

0.0 m

Eave

=

100 lx

Pcc

70

Pw

50

Pfc

30

50

30

20

