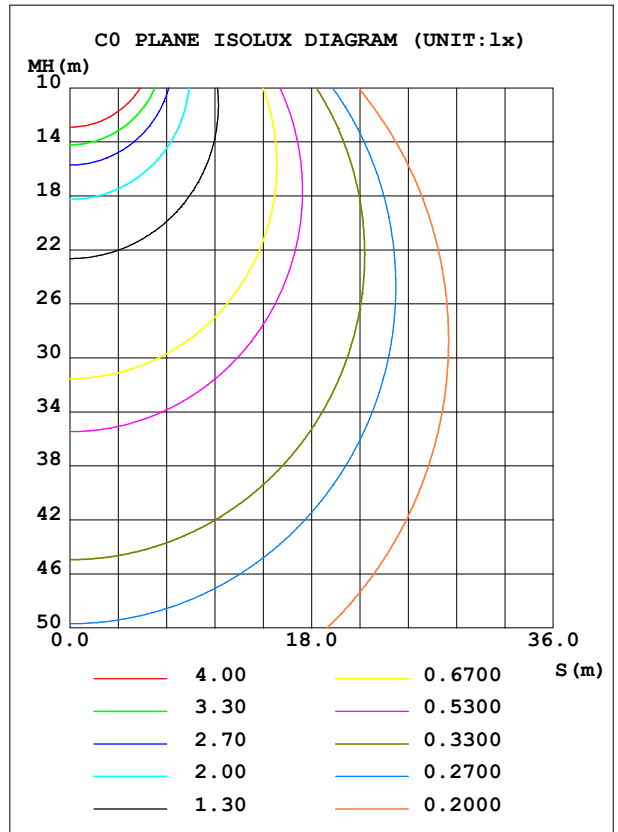
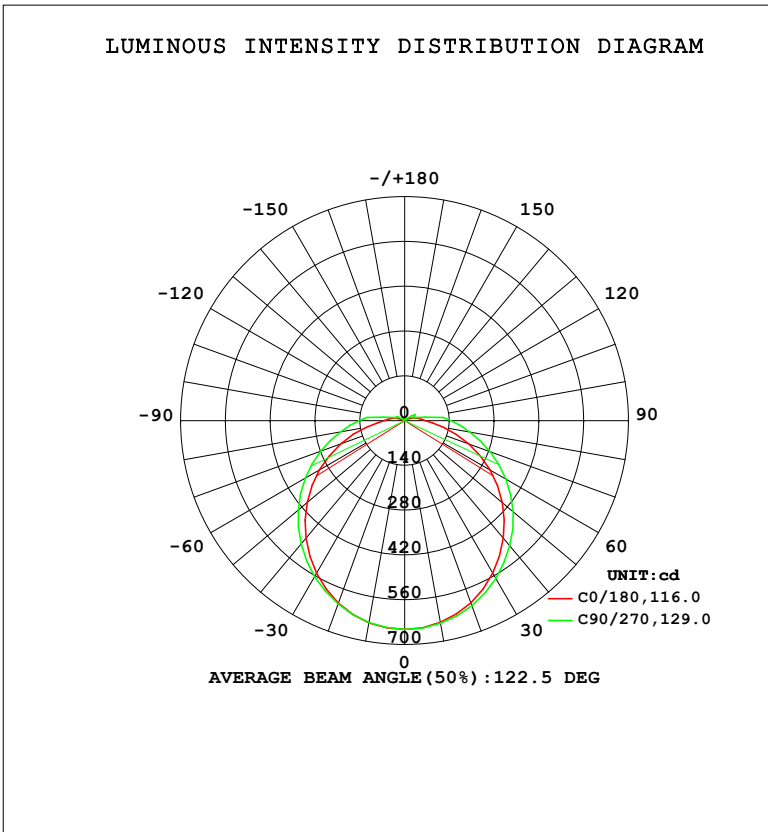


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |

| DATA OF LAMP      |        | PHOTOMETRIC DATA      |        |                     |           | Eff: 116.42 lm/W |
|-------------------|--------|-----------------------|--------|---------------------|-----------|------------------|
| MODEL             | 02     | I <sub>max</sub> (cd) | 652.7  | S/MH (C0/180)       | 1.26      |                  |
| NOMINAL POWER (W) | 20     | LOR (%)               | 100.0  | S/MH (C90/270)      | 1.29      |                  |
| RATED VOLTAGE (V) | 220    | TOTAL FLUX (lm)       | 2361.7 | η UP, DN (C0-180)   | 3.6, 46.9 |                  |
| NOMINAL FLUX (lm) | 2361.7 | CIE CLASS             | DIRECT | η UP, DN (C180-360) | 3.4, 46.2 |                  |
| LAMPS INSIDE      | 1      | η up (%)              | 6.9    | CIBSE SHR NOM       | 1.50      |                  |
| TEST VOLTAGE (V)  | 219.5  | η down (%)            | 93.1   | CIBSE SHR MAX       | 1.50      |                  |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10       | 640.7                 | 642.6 | 643.7 | 641.9 | 642.2 | 640.0 | 640.9 | 640.5 | 0- 10    | 61.77       | 61.77        | 2.62,2.62 |
| 20       | 605.7                 | 611.4 | 615.5 | 609.8 | 606.6 | 607.7 | 609.4 | 607.2 | 10- 20   | 177.2       | 239.0        | 10.1,10.1 |
| 30       | 550.8                 | 561.5 | 570.1 | 559.7 | 551.5 | 556.1 | 563.9 | 556.4 | 20- 30   | 270.1       | 509.1        | 21.6,21.6 |
| 40       | 480.4                 | 497.4 | 511.1 | 494.7 | 480.3 | 490.6 | 503.7 | 491.5 | 30- 40   | 330.2       | 839.3        | 35.5,35.5 |
| 50       | 398.4                 | 423.2 | 442.6 | 420.2 | 397.8 | 415.6 | 434.6 | 417.1 | 40- 50   | 352.9       | 1192         | 50.5,50.5 |
| 60       | 308.3                 | 343.0 | 365.6 | 339.0 | 307.7 | 336.1 | 358.7 | 338.0 | 50- 60   | 338.6       | 1531         | 64.8,64.8 |
| 70       | 214.4                 | 259.2 | 285.0 | 255.3 | 212.7 | 252.7 | 279.8 | 255.2 | 60- 70   | 291.9       | 1823         | 77.2,77.2 |
| 80       | 124.8                 | 179.5 | 208.0 | 175.8 | 122.0 | 174.0 | 204.0 | 176.7 | 70- 80   | 223.1       | 2046         | 86.6,86.6 |
| 90       | 65.34                 | 118.3 | 145.9 | 115.5 | 64.15 | 113.8 | 142.3 | 115.6 | 80- 90   | 152.1       | 2198         | 93.1,93.1 |
| 100      | 44.31                 | 50.01 | 64.83 | 41.56 | 43.64 | 41.14 | 67.12 | 50.05 | 90-100   | 92.71       | 2291         | 97,97     |
| 110      | 25.77                 | 22.16 | 28.27 | 18.91 | 17.79 | 16.47 | 29.01 | 19.96 | 100-110  | 33.56       | 2324         | 98.4,98.4 |
| 120      | 8.790                 | 6.762 | 39.06 | 7.134 | 9.606 | 7.577 | 26.59 | 7.406 | 110-120  | 17.10       | 2341         | 99.1,99.1 |
| 130      | 6.733                 | 4.386 | 8.054 | 4.370 | 4.739 | 4.663 | 7.393 | 4.626 | 120-130  | 8.561       | 2350         | 99.5,99.5 |
| 140      | 4.663                 | 4.776 | 4.955 | 4.759 | 4.877 | 5.077 | 5.168 | 5.046 | 130-140  | 3.917       | 2354         | 99.7,99.7 |
| 150      | 5.170                 | 5.238 | 5.325 | 5.204 | 5.342 | 5.419 | 5.483 | 5.424 | 140-150  | 3.205       | 2357         | 99.8,99.8 |
| 160      | 5.636                 | 5.652 | 5.712 | 5.630 | 5.743 | 5.761 | 5.833 | 5.752 | 150-160  | 2.546       | 2359         | 99.9,99.9 |
| 170      | 6.037                 | 6.066 | 6.081 | 6.044 | 6.126 | 6.091 | 6.118 | 6.117 | 160-170  | 1.667       | 2361         | 100,100   |
| 180      | 6.273                 | 6.312 | 6.275 | 6.318 | 6.338 | 6.342 | 6.287 | 6.324 | 170-180  | 0.5903      | 2362         | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 1015.3 lm

%lum = 43.0%

%lamp = 43.0%

Conical surface Flux(130deg): 1684.3 lm

%lum = 71.3%

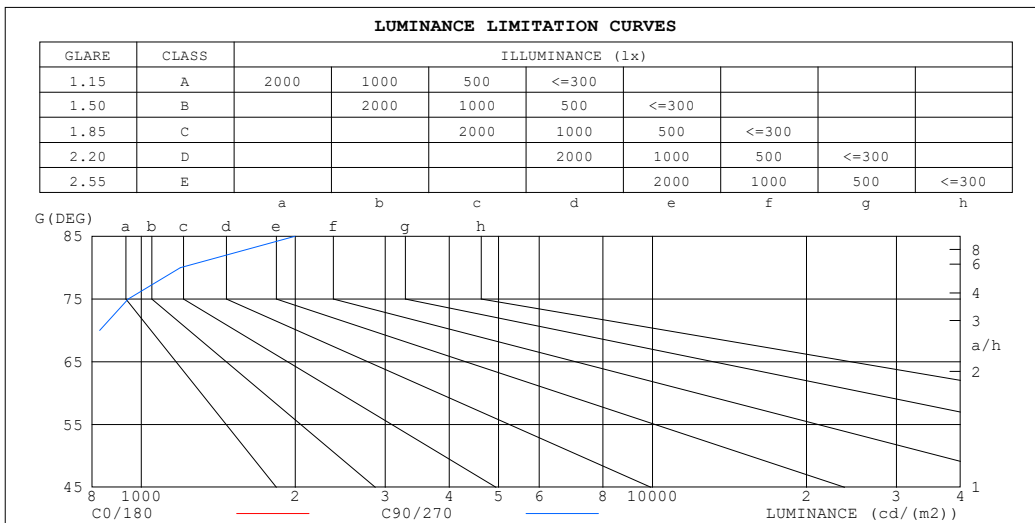
%lamp = 71.3%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1034   | 1996    |
| 80                | 734    | 1192    |
| 75                | 662    | 942     |
| 70                | 640    | 829     |
| 65                | 632    | 766     |
| 60                | 630    | 728     |
| 55                | 631    | 703     |
| 50                | 633    | 685     |
| 45                | 636    | 673     |

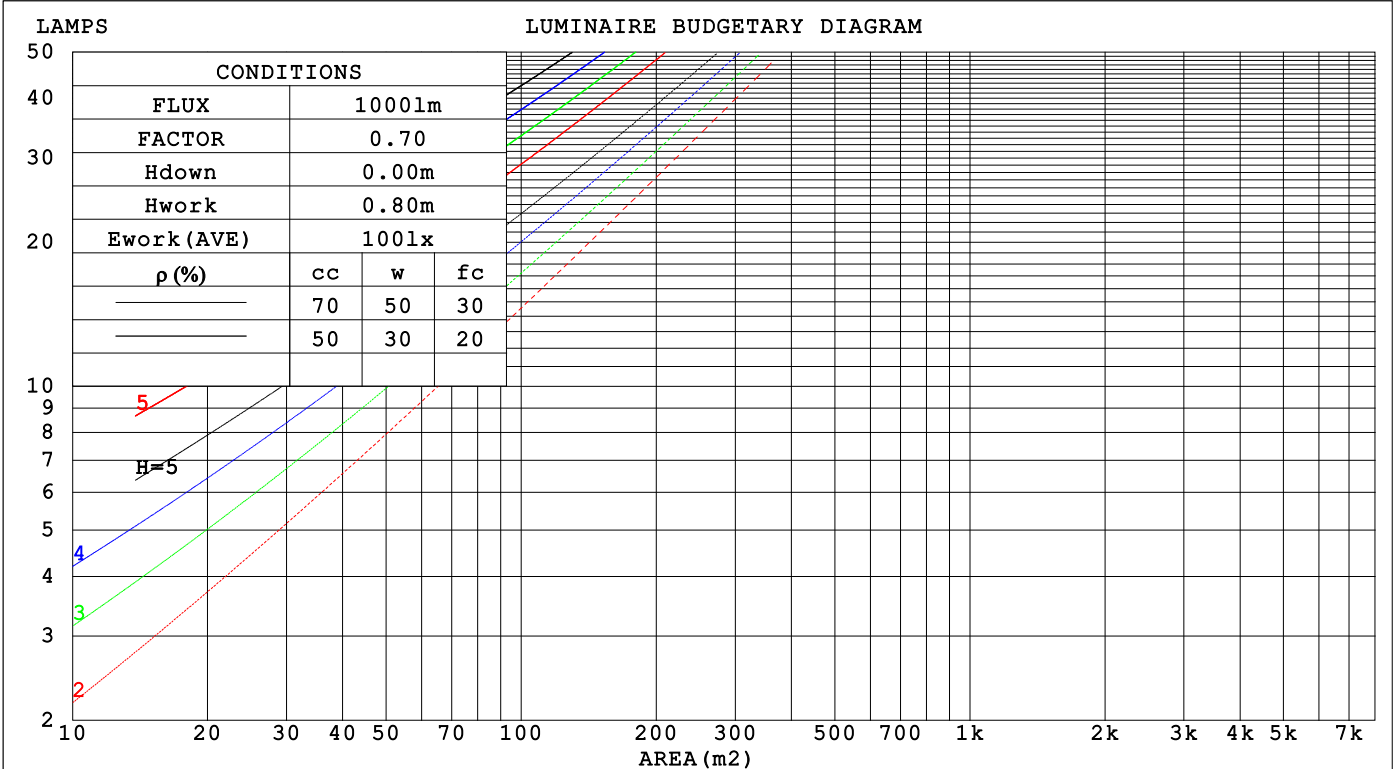
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |

| ρcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10% |     |     | 0   |
|------|--|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| ρw   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50% | 30% | 10% | 0   |
| ρfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20% |     |     | 0   |
| RCR  | RCR:Room Cavity Ratio      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
| 0.0  | 1.17   | 1.17 | 1.17 | 1.14 | 1.14 | 1.14 | 1.07 | 1.07 | 1.07 | 1.01 | 1.01 | 1.01 | .96 | .96 | .96 | .93 |
| 1.0  | .99  | .94  | .89  | .96  | .91  | .87  | .90  | .86  | .83  | .85  | .82  | .79  | .80 | .78 | .76 | .73 |
| 2.0  | .85  | .77  | .71  | .82  | .75  | .69  | .78  | .72  | .67  | .73  | .68  | .64  | .69 | .65 | .62 | .59 |
| 3.0  | .74  | .65  | .58  | .72  | .64  | .57  | .68  | .61  | .55  | .64  | .58  | .53  | .61 | .56 | .51 | .49 |
| 4.0  | .65  | .56  | .48  | .63  | .55  | .48  | .60  | .52  | .46  | .57  | .50  | .45  | .54 | .48 | .44 | .41 |
| 5.0  | .58  | .48  | .41  | .56  | .47  | .41  | .53  | .46  | .40  | .51  | .44  | .39  | .48 | .42 | .38 | .35 |
| 6.0  | .52  | .43  | .36  | .51  | .42  | .35  | .48  | .40  | .35  | .46  | .39  | .34  | .43 | .37 | .33 | .31 |
| 7.0  | .47  | .38  | .31  | .46  | .37  | .31  | .44  | .36  | .30  | .42  | .35  | .30  | .40 | .34 | .29 | .27 |
| 8.0  | .43  | .34  | .28  | .42  | .33  | .28  | .40  | .32  | .27  | .38  | .31  | .26  | .36 | .30 | .26 | .24 |
| 9.0  | .39  | .31  | .25  | .38  | .30  | .25  | .37  | .29  | .24  | .35  | .28  | .24  | .34 | .28 | .23 | .21 |
| 10.0 | .36  | .28  | .23  | .35  | .28  | .22  | .34  | .27  | .22  | .32  | .26  | .22  | .31 | .25 | .21 | .19 |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

WEC AND CCEC

|   |  |  |           |  |  |                  |  |  |
|---|--|--|-----------|--|--|------------------|--|--|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz |  |  |           |  |  |                  |  |  |
| Lamp Flux:2361.7x1 lm                                     |  |  |           |  |  |                  |  |  |
| NAME: 明装  |  |  | TYPE: 0系列 |  |  | WEIGHT:          |  |  |
| SPEC.:  |  |  | DIM.:     |  |  | SERIAL No.:      |  |  |
| MFR.: EVERFINE  |  |  | SUR.: 1   |  |  | Shielding Angle: |  |  |

| ρ <sub>CC</sub> | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρ <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρ <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0             |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0             | .373                  | .212 | .067 | .363 | .207 | .066 | .346                            | .198 | .063 | .330 | .190 | .061 | .315 | .182 | .059 |   |
| 2.0             | .328                  | .180 | .055 | .320 | .176 | .054 | .304                            | .169 | .052 | .289 | .162 | .051 | .276 | .156 | .049 |   |
| 3.0             | .294                  | .156 | .047 | .286 | .153 | .046 | .272                            | .148 | .045 | .259 | .142 | .044 | .247 | .137 | .042 |   |
| 4.0             | .266                  | .138 | .041 | .259 | .136 | .040 | .247                            | .131 | .039 | .235 | .126 | .038 | .224 | .122 | .037 |   |
| 5.0             | .242                  | .124 | .036 | .236 | .121 | .035 | .225                            | .117 | .035 | .215 | .113 | .034 | .205 | .109 | .033 |   |
| 6.0             | .223                  | .112 | .032 | .217 | .110 | .032 | .207                            | .106 | .031 | .198 | .103 | .030 | .189 | .099 | .029 |   |
| 7.0             | .206                  | .102 | .029 | .201 | .100 | .029 | .192                            | .097 | .028 | .183 | .094 | .027 | .175 | .091 | .027 |   |
| 8.0             | .191                  | .093 | .026 | .187 | .092 | .026 | .178                            | .089 | .025 | .170 | .086 | .025 | .163 | .084 | .024 |   |
| 9.0             | .178                  | .086 | .024 | .174 | .085 | .024 | .167                            | .082 | .023 | .159 | .080 | .023 | .153 | .078 | .022 |   |
| 10.0            | .167                  | .080 | .022 | .163 | .079 | .022 | .156                            | .077 | .022 | .150 | .074 | .021 | .144 | .072 | .021 |   |

| ρ <sub>CC</sub> | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-----------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρ <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρ <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0             | .243                  | .243 | .243 | .208 | .208 | .208 | .142                                       | .142 | .142 | .082 | .082 | .082 | .026 | .026 | .026 |   |
| 1.0             | .238                  | .209 | .183 | .204 | .179 | .157 | .139                                       | .123 | .109 | .080 | .071 | .063 | .026 | .023 | .020 |   |
| 2.0             | .231                  | .185 | .147 | .198 | .160 | .127 | .135                                       | .110 | .089 | .078 | .064 | .052 | .025 | .021 | .017 |   |
| 3.0             | .223                  | .168 | .125 | .191 | .145 | .108 | .131                                       | .101 | .076 | .076 | .059 | .045 | .024 | .019 | .015 |   |
| 4.0             | .215                  | .156 | .110 | .185 | .134 | .096 | .127                                       | .094 | .067 | .073 | .055 | .040 | .024 | .018 | .013 |   |
| 5.0             | .207                  | .145 | .100 | .178 | .126 | .087 | .123                                       | .088 | .061 | .071 | .052 | .036 | .023 | .017 | .012 |   |
| 6.0             | .200                  | .137 | .092 | .172 | .119 | .080 | .118                                       | .083 | .057 | .069 | .049 | .034 | .022 | .016 | .011 |   |
| 7.0             | .193                  | .130 | .087 | .166 | .113 | .076 | .115                                       | .079 | .054 | .067 | .047 | .032 | .021 | .015 | .011 |   |
| 8.0             | .186                  | .125 | .083 | .160 | .108 | .072 | .111                                       | .076 | .051 | .064 | .045 | .031 | .021 | .015 | .010 |   |
| 9.0             | .180                  | .120 | .080 | .155 | .104 | .069 | .107                                       | .073 | .049 | .062 | .043 | .029 | .020 | .014 | .010 |   |
| 10.0            | .174                  | .116 | .077 | .150 | .100 | .067 | .104                                       | .071 | .048 | .061 | .042 | .028 | .020 | .014 | .009 |   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

|   |                  |      |      |           |      |                |      |                  |      |      |
|---|------------------|------|------|-----------|------|----------------|------|------------------|------|------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz       |                  |      |      |           |      |                |      |                  |      |      |
| Lamp Flux:2361.7x1 lm   |                  |      |      |           |      |                |      |                  |      |      |
| NAME: 明装  |                  |      |      | TYPE: 0系列 |      |                |      | WEIGHT:          |      |      |
| SPEC.:  |                  |      |      | DIM.:     |      |                |      | SERIAL No.:      |      |      |
| MFR.: EVERFINE  |                  |      |      | SUR.: 1   |      |                |      | 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   | 7.8              | 9.3  | 8.2  | 9.6       | 10.0 | 8.4            | 9.9  | 8.8              | 10.2 | 10.6 |
| 3H  | 9.6              | 11.0 | 10.0 | 11.4      | 11.8 | 10.6           | 12.0 | 11.0             | 12.3 | 12.7 |
| 4H  | 10.5             | 11.8 | 10.9 | 12.2      | 12.6 | 11.7           | 13.0 | 12.1             | 13.4 | 13.8 |
| 6H  | 11.2             | 12.5 | 11.7 | 12.9      | 13.3 | 12.9           | 14.2 | 13.3             | 14.6 | 15.0 |
| 8H  | 11.6             | 12.8 | 12.0 | 13.2      | 13.6 | 13.6           | 14.8 | 14.0             | 15.2 | 15.6 |
| 12H   | 12.0             | 13.1 | 12.4 | 13.6      | 14.0 | 14.3           | 15.5 | 14.8             | 15.9 | 16.4 |
| 4H 2H   | 8.6              | 9.9  | 9.0  | 10.3      | 10.7 | 9.1            | 10.4 | 9.5              | 10.8 | 11.2 |
| 3H  | 10.7             | 11.8 | 11.1 | 12.3      | 12.7 | 11.5           | 12.6 | 11.9             | 13.1 | 13.5 |
| 4H  | 11.7             | 12.7 | 12.1 | 13.2      | 13.7 | 12.8           | 13.9 | 13.3             | 14.3 | 14.8 |
| 6H  | 12.6             | 13.6 | 13.1 | 14.1      | 14.6 | 14.2           | 15.1 | 14.7             | 15.6 | 16.1 |
| 8H  | 13.1             | 14.0 | 13.6 | 14.5      | 15.0 | 14.9           | 15.8 | 15.5             | 16.3 | 16.9 |
| 12H   | 13.5             | 14.4 | 14.1 | 14.9      | 15.5 | 15.8           | 16.7 | 16.4             | 17.2 | 17.7 |
| 8H 4H   | 12.3             | 13.2 | 12.8 | 13.7      | 14.2 | 13.2           | 14.1 | 13.7             | 14.6 | 15.1 |
| 6H  | 13.5             | 14.3 | 14.0 | 14.8      | 15.4 | 14.9           | 15.6 | 15.4             | 16.2 | 16.7 |
| 8H  | 14.1             | 14.8 | 14.7 | 15.3      | 16.0 | 15.8           | 16.5 | 16.4             | 17.1 | 17.7 |
| 12H   | 14.8             | 15.4 | 15.4 | 16.0      | 16.6 | 16.9           | 17.5 | 17.5             | 18.1 | 18.7 |
| 12H 4H  | 12.4             | 13.2 | 12.9 | 13.7      | 14.3 | 13.2           | 14.1 | 13.8             | 14.6 | 15.1 |
| 6H  | 13.8             | 14.5 | 14.3 | 15.0      | 15.6 | 15.0           | 15.7 | 15.6             | 16.2 | 16.8 |
| 8H  | 14.5             | 15.1 | 15.1 | 15.7      | 16.3 | 16.1           | 16.7 | 16.7             | 17.2 | 17.9 |
| Variations with the observer position at spacings(CIE Pub.117): |                  |      |      |           |      |                |      |                  |      |      |
| S = 1.0H  | + 0.1 / - 0.1    |      |      |           |      | + 0.1 / - 0.1  |      |                  |      |      |
| 1.5H  | + 0.2 / - 0.3    |      |      |           |      | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H  | + 0.2 / - 0.4    |      |      |           |      | + 0.2 / - 0.3  |      |                  |      |      |

CIE Pub.117, 2362 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)  
 Area: 1 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |

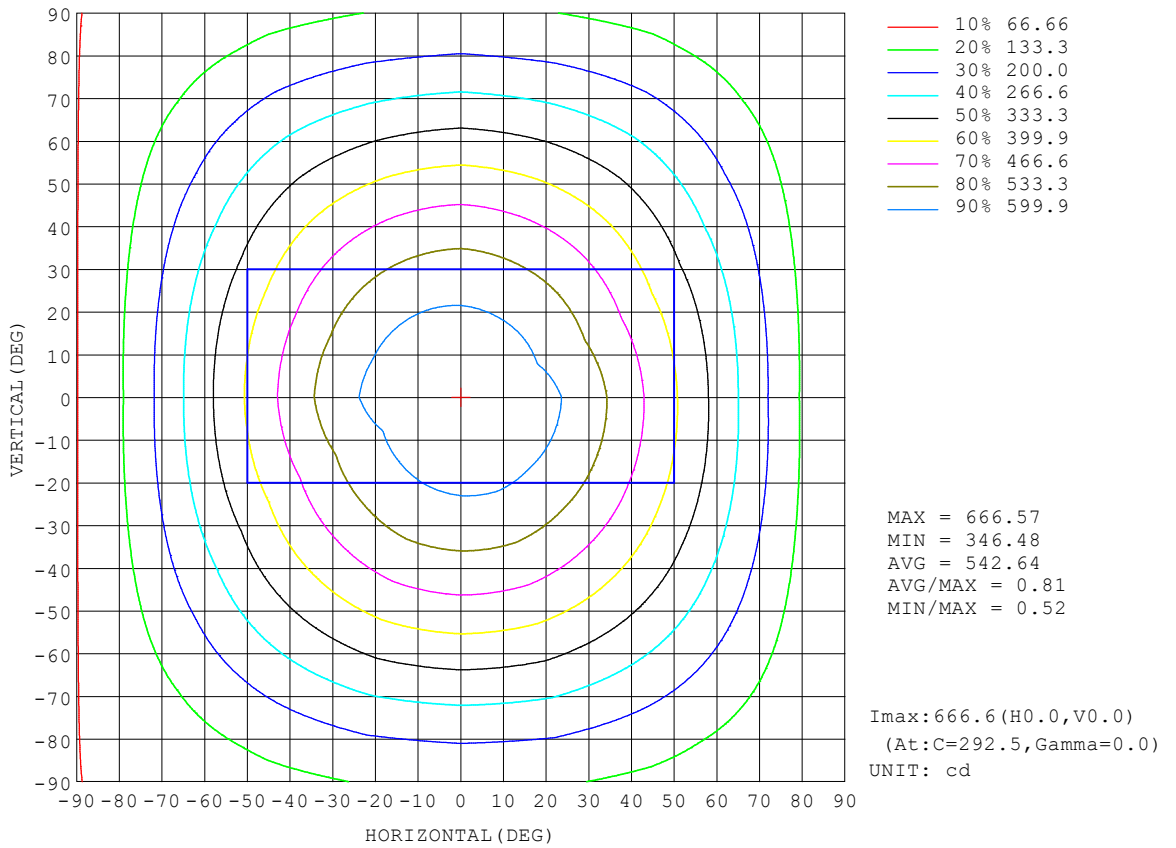
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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                         | 52   | 40  | 33        | 51  | 40  | 33  | 50            | 39  | 32  | 26     |
| 0.80                             | 62   | 49  | 41        | 60  | 48  | 41  | 58            | 48  | 40  | 33     |
| 1.00                             | 70   | 57  | 49        | 68  | 56  | 49  | 65            | 58  | 48  | 40     |
| 1.25                             | 76   | 65  | 56        | 75  | 64  | 56  | 71            | 62  | 55  | 47     |
| 1.50                             | 82   | 70  | 62        | 79  | 69  | 61  | 76            | 67  | 60  | 51     |
| 2.00                             | 89   | 78  | 71        | 86  | 77  | 70  | 82            | 74  | 68  | 58     |
| 2.50                             | 93   | 83  | 76        | 90  | 82  | 75  | 86            | 78  | 73  | 62     |
| 3.00                             | 96   | 88  | 81        | 94  | 86  | 80  | 89            | 82  | 77  | 67     |
| 4.00                             | 101  | 94  | 88        | 98  | 91  | 86  | 93            | 87  | 83  | 72     |
| 5.00                             | 104  | 97  | 92        | 101 | 95  | 90  | 95            | 90  | 86  | 75     |
| ROOM INDEX                       | UF(total)  |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |



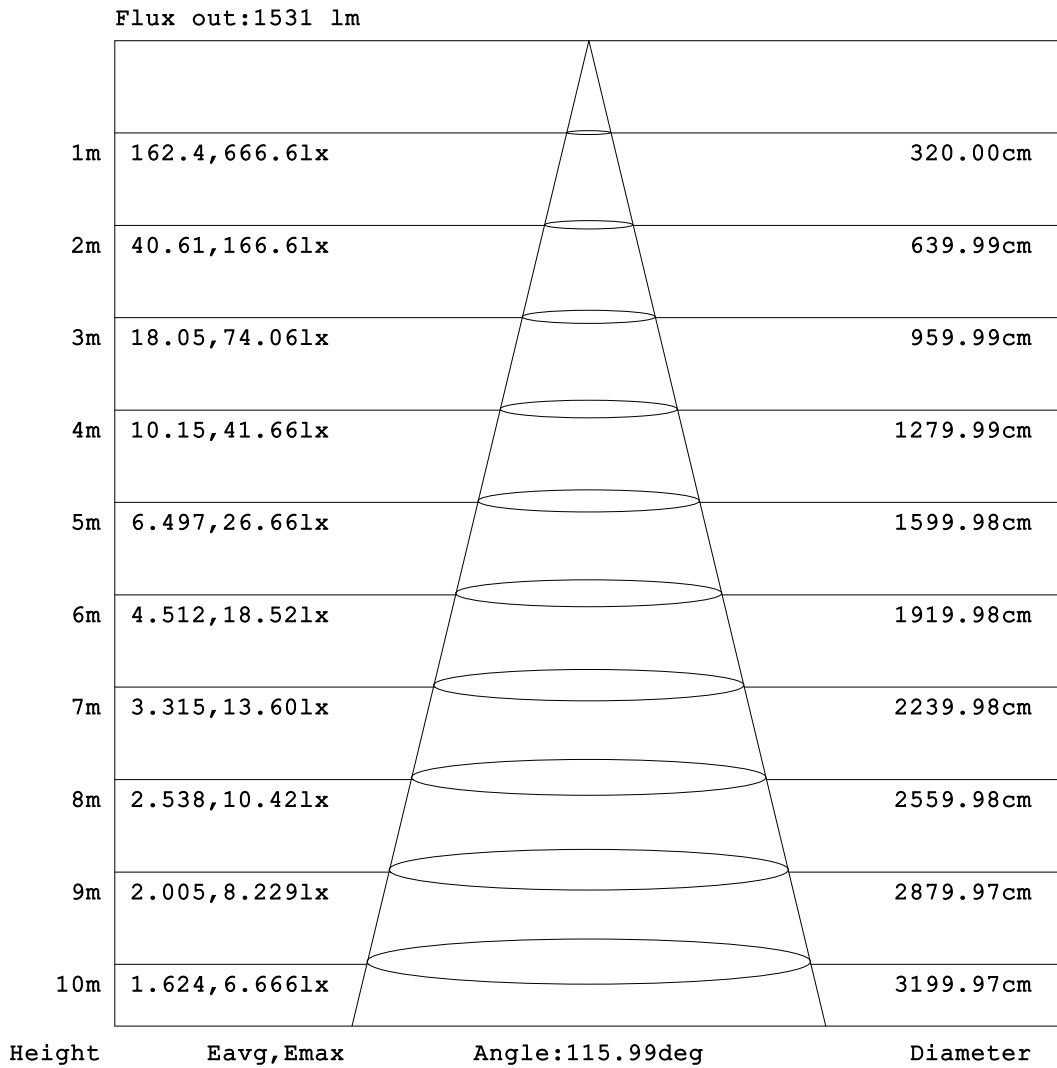
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:



**AAI Figure**

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |



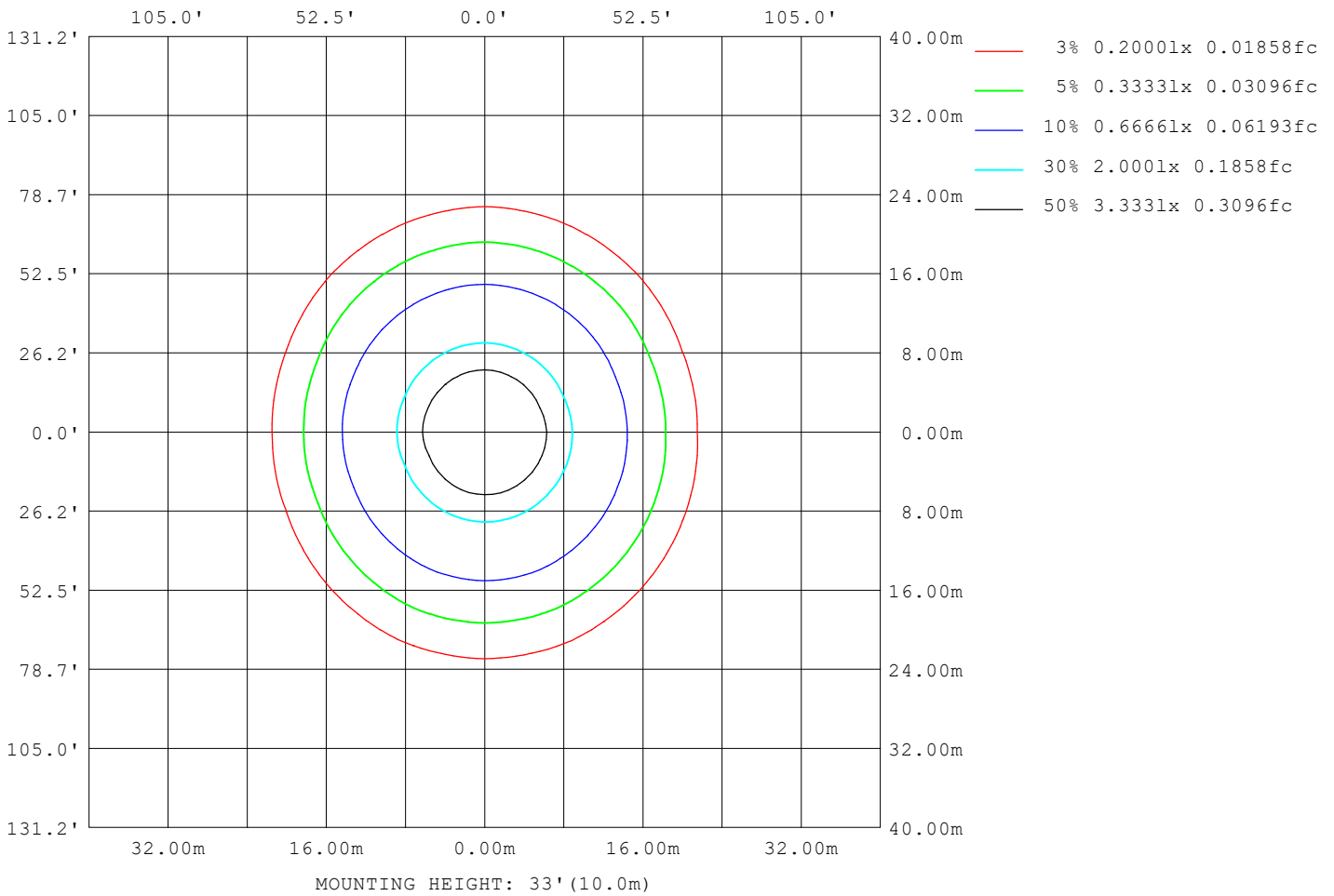
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: DAMIN  
Test Date: 2023-11-14

γ Range: 0 - 180DEG  
γ Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
Humidity: 65.0%  
Test Distance: 9.401m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |

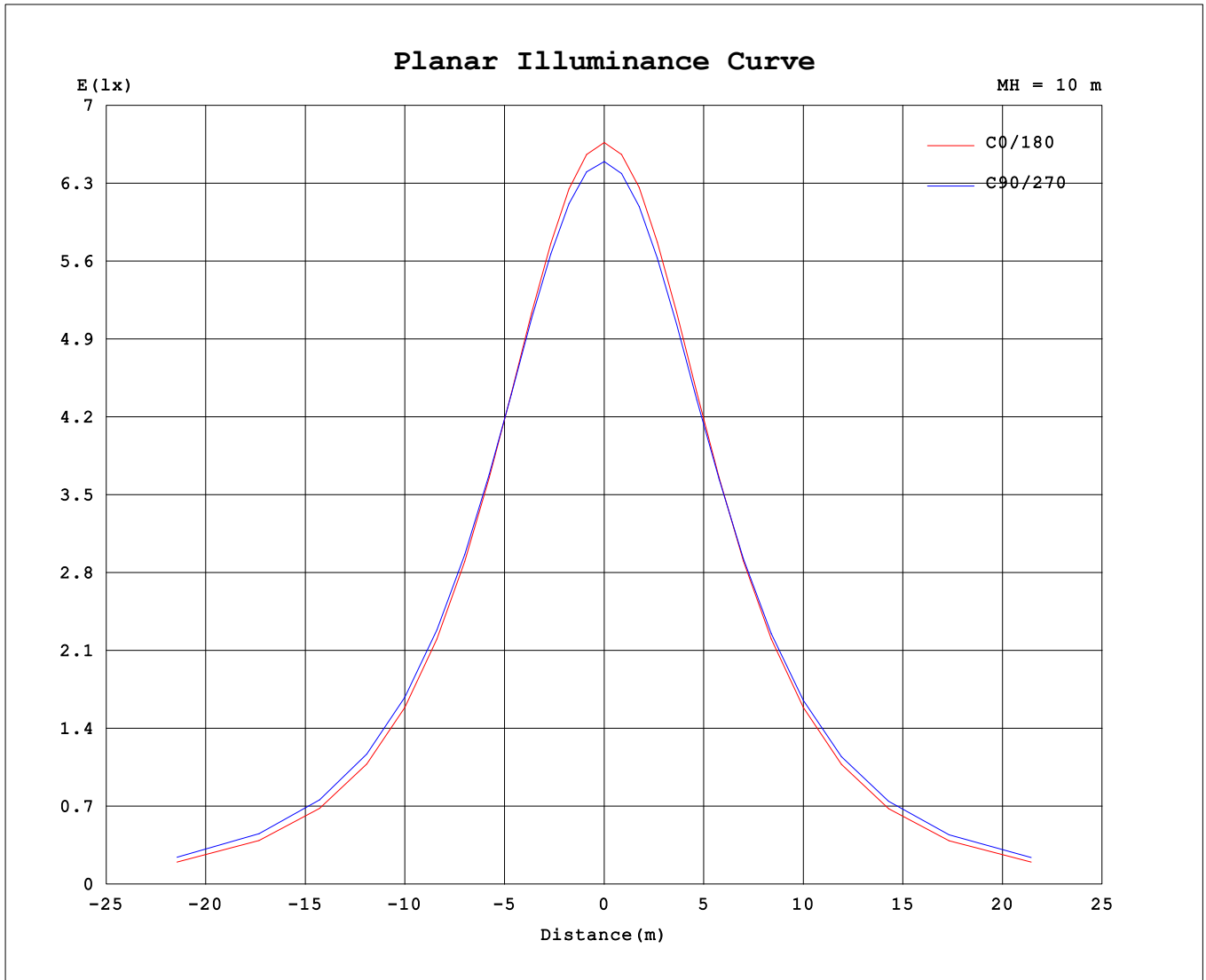
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 617   |
| L_0~180 (75) av  | 644   |
| L_0~180 (85) av  | 998   |
| L_90~270 (65) av | 763   |
| L_90~270 (75) av | 938   |
| L_90~270 (85) av | 1985  |
| L_45 (65) av     | 703   |
| L_45 (75) av     | 830   |
| L_45 (85) av     | 1648  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity: 65.0%  
 Test Distance: 9.401m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |           |                  |
|--|-----------|------------------|
| Test:U:220.28V I:0.0951A P:20.286W PF:0.9688 Freq:50.00Hz<br>Lamp Flux:2361.7x1 lm |           |                  |
| NAME: 明装   | TYPE: 0系列 | WEIGHT:          |
| SPEC.:   | DIM.:     | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.: 1   | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |  |  |  |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0                 | 653  | 653  | 653  | 653  | 653  | 653   | 653  | 653   | 653  | 653   | 653  | 653   | 653  | 653   | 653  | 653   |  |  |  |
| 5                 | 650  | 650  | 650  | 651  | 651  | 651   | 650  | 650   | 650  | 649   | 649  | 649   | 649  | 649   | 649  | 650   |  |  |  |
| 10                | 641  | 642  | 643  | 644  | 644  | 643   | 642  | 641   | 642  | 640   | 640  | 640   | 641  | 641   | 641  | 641   |  |  |  |
| 15                | 626  | 628  | 629  | 632  | 632  | 631   | 629  | 627   | 627  | 625   | 627  | 626   | 627  | 627   | 626  | 625   |  |  |  |
| 20                | 606  | 608  | 611  | 615  | 615  | 614   | 610  | 607   | 607  | 604   | 608  | 608   | 609  | 608   | 607  | 606   |  |  |  |
| 25                | 580  | 584  | 588  | 594  | 595  | 593   | 587  | 582   | 581  | 579   | 584  | 585   | 588  | 586   | 584  | 581   |  |  |  |
| 30                | 551  | 555  | 562  | 569  | 570  | 569   | 560  | 553   | 551  | 550   | 556  | 559   | 564  | 560   | 556  | 552   |  |  |  |
| 35                | 517  | 523  | 531  | 540  | 542  | 540   | 529  | 520   | 518  | 516   | 525  | 529   | 535  | 531   | 525  | 519   |  |  |  |
| 40                | 480  | 487  | 497  | 508  | 511  | 508   | 495  | 484   | 480  | 480   | 491  | 497   | 504  | 499   | 491  | 483   |  |  |  |
| 45                | 441  | 449  | 461  | 475  | 478  | 474   | 458  | 446   | 440  | 441   | 454  | 463   | 470  | 464   | 455  | 444   |  |  |  |
| 50                | 398  | 409  | 423  | 439  | 443  | 438   | 420  | 405   | 398  | 400   | 416  | 427   | 435  | 428   | 417  | 403   |  |  |  |
| 55                | 354  | 366  | 384  | 400  | 405  | 399   | 380  | 362   | 353  | 358   | 376  | 389   | 397  | 391   | 378  | 361   |  |  |  |
| 60                | 308  | 323  | 343  | 361  | 366  | 360   | 339  | 319   | 308  | 314   | 336  | 349   | 359  | 351   | 338  | 317   |  |  |  |
| 65                | 261  | 279  | 301  | 321  | 325  | 320   | 297  | 274   | 260  | 270   | 294  | 310   | 320  | 312   | 296  | 274   |  |  |  |
| 70                | 214  | 235  | 259  | 280  | 285  | 279   | 255  | 230   | 213  | 226   | 253  | 269   | 280  | 271   | 255  | 230   |  |  |  |
| 75                | 168  | 192  | 218  | 241  | 245  | 238   | 214  | 187   | 166  | 183   | 212  | 230   | 241  | 232   | 215  | 187   |  |  |  |
| 80                | 125  | 152  | 179  | 203  | 208  | 201   | 176  | 147   | 122  | 144   | 174  | 194   | 204  | 195   | 177  | 148   |  |  |  |
| 85                | 88.2 | 116  | 147  | 169  | 175  | 167   | 143  | 112   | 85.7 | 110   | 141  | 161   | 171  | 163   | 143  | 113   |  |  |  |
| 90                | 65.3 | 89.7 | 118  | 140  | 146  | 138   | 116  | 86.2  | 64.1 | 85.0  | 114  | 134   | 142  | 135   | 116  | 87.1  |  |  |  |
| 95                | 54.5 | 71.0 | 91.2 | 115  | 121  | 114   | 88.3 | 67.4  | 53.5 | 66.5  | 88.4 | 110   | 119  | 111   | 90.3 | 69.0  |  |  |  |
| 100               | 44.3 | 51.1 | 50.0 | 54.2 | 64.8 | 53.6  | 41.6 | 44.3  | 43.6 | 43.9  | 41.1 | 52.2  | 67.1 | 53.9  | 50.1 | 50.0  |  |  |  |
| 105               | 33.2 | 30.5 | 26.1 | 30.7 | 39.0 | 28.8  | 16.3 | 24.7  | 33.4 | 24.0  | 18.8 | 27.6  | 39.1 | 29.4  | 27.9 | 30.0  |  |  |  |
| 110               | 25.8 | 14.6 | 22.2 | 19.1 | 28.3 | 18.4  | 18.9 | 7.93  | 17.8 | 7.91  | 16.5 | 18.7  | 29.0 | 19.6  | 20.0 | 14.6  |  |  |  |
| 115               | 18.7 | 8.83 | 14.2 | 38.8 | 32.7 | 36.7  | 13.1 | 3.80  | 5.69 | 4.02  | 4.57 | 32.3  | 29.1 | 34.2  | 4.05 | 8.79  |  |  |  |
| 120               | 8.79 | 5.03 | 6.76 | 32.7 | 39.1 | 32.3  | 7.13 | 6.69  | 9.61 | 6.99  | 7.58 | 11.5  | 26.6 | 10.9  | 7.41 | 5.12  |  |  |  |
| 125               | 4.40 | 4.15 | 4.22 | 16.6 | 26.3 | 18.5  | 4.22 | 5.58  | 9.27 | 5.66  | 4.52 | 13.9  | 5.36 | 14.1  | 4.44 | 4.36  |  |  |  |
| 130               | 6.73 | 5.88 | 4.39 | 6.20 | 8.05 | 6.76  | 4.37 | 4.24  | 4.74 | 4.49  | 4.66 | 7.44  | 7.39 | 6.25  | 4.63 | 5.98  |  |  |  |
| 135               | 5.02 | 4.53 | 4.56 | 4.67 | 4.75 | 4.72  | 4.56 | 4.48  | 4.75 | 4.71  | 4.86 | 5.02  | 5.03 | 4.89  | 4.80 | 4.77  |  |  |  |
| 140               | 4.66 | 4.70 | 4.78 | 4.86 | 4.96 | 4.90  | 4.76 | 4.70  | 4.88 | 4.94  | 5.08 | 5.20  | 5.17 | 5.10  | 5.05 | 4.94  |  |  |  |
| 145               | 4.89 | 4.92 | 5.00 | 5.06 | 5.12 | 5.07  | 4.98 | 4.89  | 5.09 | 5.08  | 5.25 | 5.32  | 5.32 | 5.25  | 5.24 | 5.15  |  |  |  |
| 150               | 5.17 | 5.18 | 5.24 | 5.26 | 5.32 | 5.26  | 5.20 | 5.15  | 5.34 | 5.30  | 5.42 | 5.47  | 5.48 | 5.43  | 5.42 | 5.35  |  |  |  |
| 155               | 5.41 | 5.41 | 5.45 | 5.49 | 5.53 | 5.48  | 5.41 | 5.38  | 5.54 | 5.47  | 5.57 | 5.64  | 5.67 | 5.58  | 5.59 | 5.54  |  |  |  |
| 160               | 5.64 | 5.67 | 5.65 | 5.70 | 5.71 | 5.69  | 5.63 | 5.61  | 5.74 | 5.68  | 5.76 | 5.79  | 5.83 | 5.78  | 5.75 | 5.76  |  |  |  |
| 165               | 5.88 | 5.88 | 5.86 | 5.90 | 5.89 | 5.87  | 5.83 | 5.84  | 5.94 | 5.87  | 5.90 | 5.94  | 5.96 | 5.95  | 5.92 | 5.92  |  |  |  |
| 170               | 6.04 | 6.06 | 6.07 | 6.11 | 6.08 | 6.05  | 6.04 | 6.06  | 6.13 | 6.07  | 6.09 | 6.07  | 6.12 | 6.13  | 6.12 | 6.08  |  |  |  |
| 175               | 6.18 | 6.22 | 6.23 | 6.24 | 6.18 | 6.20  | 6.20 | 6.24  | 6.28 | 6.25  | 6.24 | 6.21  | 6.23 | 6.25  | 6.27 | 6.27  |  |  |  |
| 180               | 6.27 | 6.33 | 6.31 | 6.30 | 6.27 | 6.30  | 6.32 | 6.31  | 6.34 | 6.29  | 6.34 | 6.26  | 6.29 | 6.28  | 6.32 | 6.30  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:DAMIN  
 Test Date:2023-11-14

γ Range: 0 - 180DEG  
 γ Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.473  
 Humidity:65.0%  
 Test Distance:9.401m [K=1.0000]  
 Remarks: