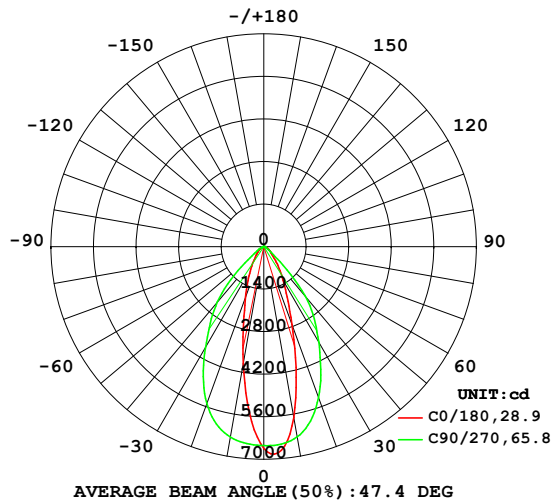


## LUMINAIRE PHOTOMETRIC TEST REPORT

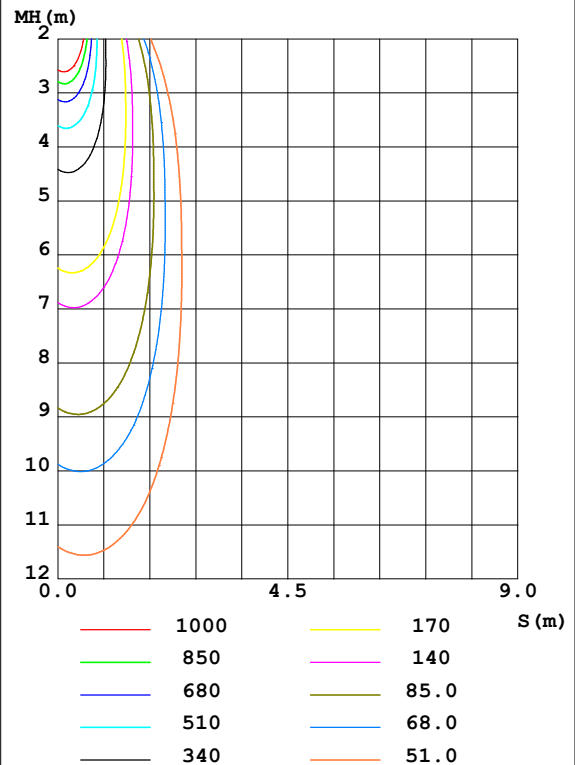
|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |

| DATA OF LAMP     |        | PHOTOMETRIC DATA Eff: 126.56 lm/W |        |                    |          |
|------------------|--------|-----------------------------------|--------|--------------------|----------|
| MODEL            |        | I <sub>max</sub> (cd)             | 6837   | S/MH (C0/180)      | 0.58     |
| NOMINAL POWER(W) | 40     | LOR(%)                            | 120.6  | S/MH (C90/270)     | 0.98     |
| RATED VOLTAGE(V) | 120.0  | TOTAL FLUX(lm)                    | 4860.0 | η UP,DN (C0-180)   | 0.1,60.6 |
| NOMINAL FLUX(lm) | 366.22 | CIE CLASS                         | DIRECT | η UP,DN (C180-360) | 0.1,59.9 |
| LAMPS INSIDE     | 11     | η up (%)                          | 0.1    | CIBSE SHR NOM      | 0.50     |
| TEST VOLTAGE (V) | 120.0  | η down (%)                        | 120.5  | CIBSE SHR MAX      | 0.60     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 7.540m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

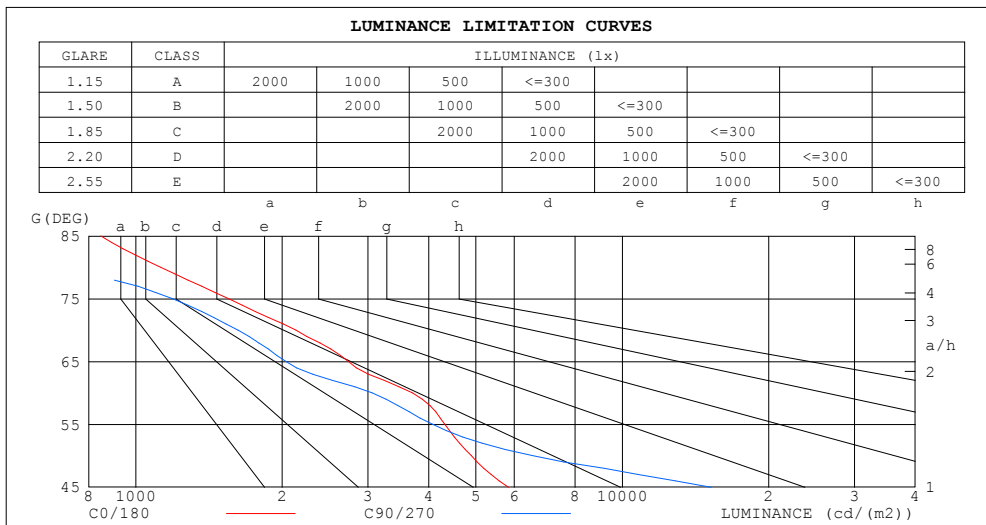
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 5700                  | 6357   | 6356   | 4826   | 3906   | 4534   | 6363   | 6373   | 0- 10    | 577.7       | 577.7        | 11.9,14.3  |
| 20       | 2724                  | 3958   | 5282   | 2543   | 1761   | 2393   | 5489   | 4157   | 10- 20   | 1258        | 1836         | 37.8,45.6  |
| 30       | 1281                  | 1761   | 3630   | 1209   | 867.1  | 1204   | 3846   | 1953   | 20- 30   | 1224        | 3060         | 63,76      |
| 40       | 609.6                 | 765.5  | 2113   | 570.1  | 411.1  | 594.1  | 2375   | 869.8  | 30- 40   | 910.3       | 3970         | 81.7,98.6  |
| 50       | 314.5                 | 359.3  | 420.3  | 281.1  | 247.6  | 299.0  | 691.5  | 405.3  | 40- 50   | 515.6       | 4486         | 92.3,111   |
| 60       | 185.2                 | 176.2  | 153.0  | 133.0  | 115.7  | 153.3  | 199.8  | 199.3  | 50- 60   | 223.7       | 4710         | 96.9,117   |
| 70       | 72.96                 | 63.30  | 55.50  | 43.78  | 38.53  | 52.61  | 73.58  | 79.18  | 60- 70   | 103.8       | 4813         | 99,119     |
| 80       | 19.54                 | 14.96  | 11.46  | 6.862  | 6.476  | 10.10  | 22.35  | 21.26  | 70- 80   | 35.77       | 4849         | 99.8,120   |
| 90       | 1.793                 | 0.4150 | 0.0460 | 0.1816 | 0.0654 | 0.1405 | 0.2715 | 1.568  | 80- 90   | 5.669       | 4855         | 99.9,121   |
| 100      | 0.0799                | 0.1647 | 0.0871 | 0.1574 | 0.0775 | 0.1235 | 0.0412 | 0.1405 | 90-100   | 0.1688      | 4855         | 99.9,121   |
| 110      | 0.1113                | 0.1768 | 0.2226 | 0.1938 | 0.1260 | 0.1452 | 0.1285 | 0.1501 | 100-110  | 0.1330      | 4855         | 99.9,121   |
| 120      | 0.1912                | 0.2738 | 0.5445 | 0.3563 | 0.2230 | 0.2590 | 0.3879 | 0.2252 | 110-120  | 0.2180      | 4855         | 99.9,121   |
| 130      | 0.3533                | 0.4992 | 1.087  | 0.7829 | 0.4435 | 0.5808 | 0.8653 | 0.4477 | 120-130  | 0.4027      | 4856         | 99.9,121   |
| 140      | 0.7042                | 0.9572 | 1.707  | 1.607  | 0.9115 | 1.312  | 1.488  | 0.9027 | 130-140  | 0.6845      | 4856         | 99.9,121   |
| 150      | 1.474                 | 1.713  | 2.385  | 2.672  | 1.934  | 2.363  | 2.188  | 1.637  | 140-150  | 0.9942      | 4857         | 99.9,121   |
| 160      | 2.885                 | 2.580  | 3.044  | 3.534  | 3.409  | 3.283  | 2.902  | 2.489  | 150-160  | 1.161       | 4859         | 100,121    |
| 170      | 4.068                 | 3.294  | 3.545  | 3.897  | 4.209  | 3.754  | 3.498  | 3.274  | 160-170  | 0.9498      | 4860         | 100,121    |
| 180      | 4.241                 | 3.778  | 3.734  | 3.848  | 4.241  | 3.783  | 3.734  | 3.851  | 170-180  | 0.3624      | 4860         | 100,121    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |



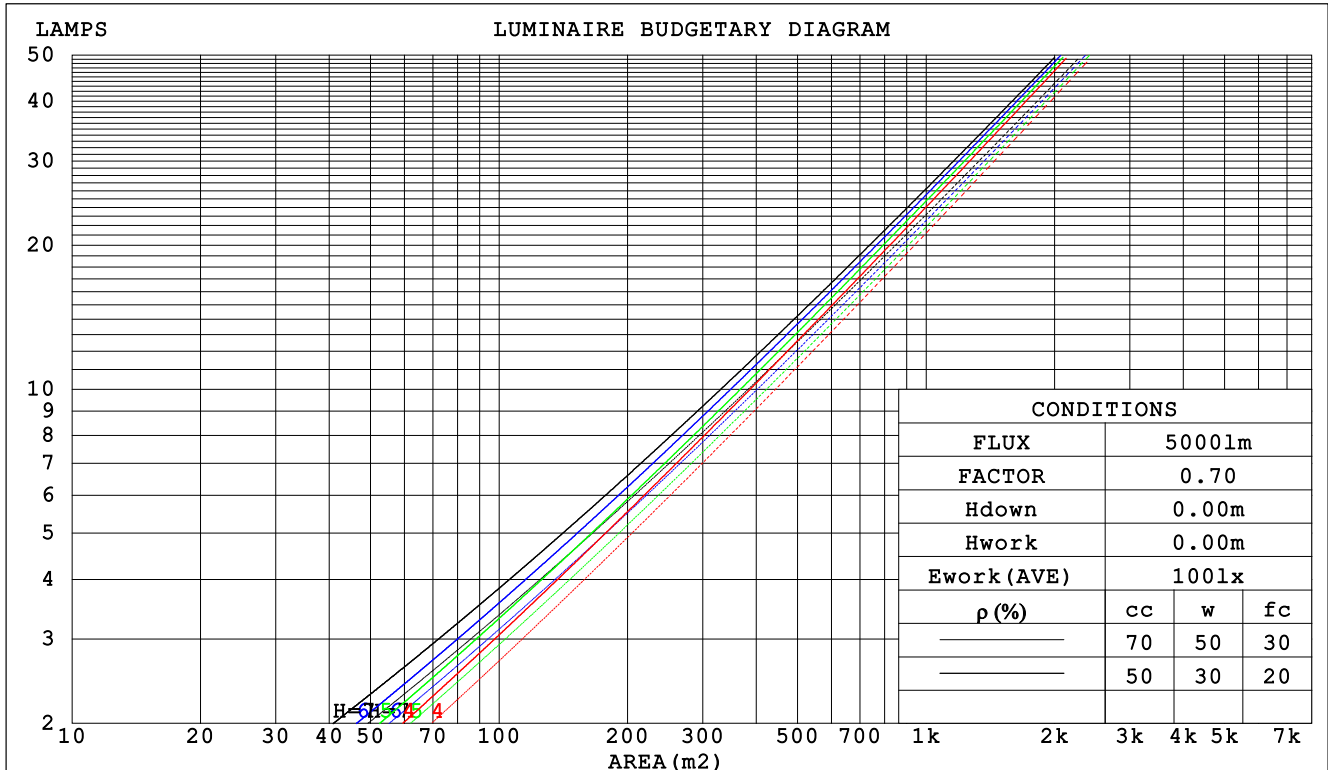
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0    |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |
| 0.0         | 1.44                  | 1.44 | 1.44 | 1.40 | 1.40 | 1.40 | 1.34                            | 1.34 | 1.34 | 1.28 | 1.28 | 1.28 | 1.23 | 1.23 | 1.23 | 1.21 |
| 1.0         | 1.33                  | 1.29 | 1.26 | 1.30 | 1.27 | 1.24 | 1.25                            | 1.23 | 1.20 | 1.20 | 1.19 | 1.17 | 1.16 | 1.15 | 1.13 | 1.11 |
| 2.0         | 1.22                  | 1.17 | 1.12 | 1.20 | 1.15 | 1.11 | 1.16                            | 1.12 | 1.09 | 1.13 | 1.09 | 1.06 | 1.09 | 1.06 | 1.04 | 1.02 |
| 3.0         | 1.13                  | 1.07 | 1.01 | 1.11 | 1.05 | 1.00 | 1.08                            | 1.03 | .99  | 1.05 | 1.01 | .97  | 1.02 | .99  | .96  | .94  |
| 4.0         | 1.05                  | .98  | .92  | 1.04 | .97  | .92  | 1.01                            | .95  | .91  | .98  | .93  | .89  | .96  | .92  | .88  | .86  |
| 5.0         | .98                   | .90  | .85  | .97  | .89  | .84  | .94                             | .88  | .83  | .92  | .87  | .83  | .90  | .86  | .82  | .80  |
| 6.0         | .91                   | .84  | .78  | .90  | .83  | .78  | .88                             | .82  | .77  | .87  | .81  | .77  | .85  | .80  | .76  | .74  |
| 7.0         | .86                   | .78  | .73  | .85  | .77  | .72  | .83                             | .77  | .72  | .82  | .76  | .71  | .80  | .75  | .71  | .69  |
| 8.0         | .80                   | .73  | .68  | .80  | .73  | .67  | .78                             | .72  | .67  | .77  | .71  | .67  | .76  | .71  | .67  | .65  |
| 9.0         | .76                   | .68  | .63  | .75  | .68  | .63  | .74                             | .68  | .63  | .73  | .67  | .63  | .72  | .67  | .63  | .61  |
| 10.0        | .72                   | .64  | .60  | .71  | .64  | .60  | .70                             | .64  | .59  | .69  | .63  | .59  | .68  | .63  | .59  | .57  |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .234                  | .133 | .042 | .226 | .129 | .041 | .211                             | .121 | .039 | .197 | .113 | .036 | .184 | .106 | .034 |   |  |
| 2.0  | .226                  | .124 | .038 | .219 | .120 | .037 | .206                             | .114 | .036 | .194 | .109 | .034 | .182 | .103 | .033 |   |  |
| 3.0  | .214                  | .114 | .034 | .209 | .112 | .034 | .197                             | .107 | .033 | .187 | .102 | .031 | .177 | .098 | .030 |   |  |
| 4.0  | .203                  | .106 | .031 | .198 | .104 | .031 | .188                             | .100 | .030 | .179 | .096 | .029 | .171 | .093 | .028 |   |  |
| 5.0  | .193                  | .098 | .028 | .188 | .097 | .028 | .180                             | .094 | .028 | .172 | .091 | .027 | .164 | .088 | .026 |   |  |
| 6.0  | .183                  | .092 | .026 | .179 | .090 | .026 | .171                             | .088 | .026 | .164 | .085 | .025 | .158 | .083 | .025 |   |  |
| 7.0  | .174                  | .086 | .024 | .170 | .085 | .024 | .164                             | .083 | .024 | .157 | .081 | .023 | .152 | .079 | .023 |   |  |
| 8.0  | .165                  | .081 | .023 | .162 | .080 | .023 | .156                             | .078 | .022 | .151 | .076 | .022 | .145 | .075 | .022 |   |  |
| 9.0  | .158                  | .076 | .021 | .155 | .075 | .021 | .150                             | .074 | .021 | .144 | .072 | .021 | .140 | .071 | .021 |   |  |
| 10.0 | .151                  | .072 | .020 | .148 | .071 | .020 | .143                             | .070 | .020 | .139 | .069 | .020 | .134 | .068 | .019 |   |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .231                  | .231 | .231 | .197 | .197 | .197 | .135                                       | .135 | .135 | .077 | .077 | .077 | .025 | .025 | .025 |   |
| 1.0  | .209                  | .191 | .174 | .179 | .164 | .150 | .122                                       | .113 | .104 | .070 | .065 | .060 | .023 | .021 | .019 |   |
| 2.0  | .192                  | .161 | .135 | .164 | .138 | .116 | .113                                       | .096 | .081 | .065 | .056 | .048 | .021 | .018 | .015 |   |
| 3.0  | .178                  | .138 | .106 | .153 | .119 | .092 | .105                                       | .083 | .065 | .061 | .048 | .038 | .019 | .016 | .012 |   |
| 4.0  | .166                  | .121 | .086 | .143 | .104 | .075 | .098                                       | .073 | .052 | .057 | .043 | .031 | .018 | .014 | .010 |   |
| 5.0  | .156                  | .107 | .071 | .134 | .092 | .061 | .092                                       | .065 | .043 | .054 | .038 | .026 | .017 | .012 | .008 |   |
| 6.0  | .147                  | .096 | .059 | .127 | .083 | .051 | .087                                       | .058 | .036 | .051 | .034 | .022 | .016 | .011 | .007 |   |
| 7.0  | .139                  | .087 | .050 | .120 | .075 | .044 | .083                                       | .053 | .031 | .048 | .031 | .018 | .016 | .010 | .006 |   |
| 8.0  | .132                  | .079 | .043 | .114 | .069 | .038 | .079                                       | .048 | .027 | .046 | .029 | .016 | .015 | .009 | .005 |   |
| 9.0  | .126                  | .073 | .038 | .109 | .064 | .033 | .075                                       | .045 | .023 | .044 | .026 | .014 | .014 | .009 | .005 |   |
| 10.0 | .120                  | .068 | .033 | .104 | .059 | .029 | .072                                       | .042 | .021 | .042 | .025 | .012 | .014 | .008 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-01-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|                                                    |     |     |     |     |                  |      |      |      |      |                  |      |      |      |      |
|----------------------------------------------------|-----|-----|-----|-----|------------------|------|------|------|------|------------------|------|------|------|------|
| NAME: COVO light                                   |     |     |     |     | TYPE:4000K       |      |      |      |      | WEIGHT:          |      |      |      |      |
| SPEC.:                                             |     |     |     |     | DIM.:            |      |      |      |      | SERIAL No.:      |      |      |      |      |
| MFR.: EVERFINE                                     |     |     |     |     | 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                                      |     |     |     |     | 14.7             | 15.8 | 15.0 | 15.9 | 16.1 | 17.8             | 18.9 | 18.1 | 19.0 | 19.2 |
| 3H                                                 |     |     |     |     | 15.1             | 16.0 | 15.3 | 16.2 | 16.4 | 17.8             | 18.7 | 18.1 | 18.9 | 19.2 |
| 4H                                                 |     |     |     |     | 15.1             | 16.0 | 15.4 | 16.3 | 16.5 | 17.8             | 18.7 | 18.0 | 18.9 | 19.1 |
| 6H                                                 |     |     |     |     | 15.2             | 16.0 | 15.5 | 16.2 | 16.5 | 17.7             | 18.5 | 18.0 | 18.8 | 19.0 |
| 8H                                                 |     |     |     |     | 15.1             | 15.9 | 15.4 | 16.2 | 16.5 | 17.6             | 18.4 | 18.0 | 18.7 | 19.0 |
| 12H                                                |     |     |     |     | 15.1             | 15.9 | 15.4 | 16.2 | 16.4 | 17.6             | 18.4 | 17.9 | 18.6 | 18.9 |
| 4H 2H                                              |     |     |     |     | 14.9             | 15.8 | 15.1 | 16.0 | 16.2 | 17.7             | 18.6 | 18.0 | 18.8 | 19.1 |
| 3H                                                 |     |     |     |     | 15.3             | 16.1 | 15.6 | 16.3 | 16.6 | 17.7             | 18.5 | 18.1 | 18.8 | 19.1 |
| 4H                                                 |     |     |     |     | 15.4             | 16.1 | 15.8 | 16.4 | 16.7 | 17.7             | 18.4 | 18.1 | 18.7 | 19.0 |
| 6H                                                 |     |     |     |     | 15.4             | 16.1 | 15.8 | 16.4 | 16.8 | 17.7             | 18.3 | 18.0 | 18.6 | 19.0 |
| 8H                                                 |     |     |     |     | 15.4             | 16.0 | 15.8 | 16.4 | 16.7 | 17.6             | 18.2 | 18.0 | 18.5 | 18.9 |
| 12H                                                |     |     |     |     | 15.4             | 15.9 | 15.8 | 16.3 | 16.7 | 17.6             | 18.1 | 18.0 | 18.5 | 18.9 |
| 8H 4H                                              |     |     |     |     | 15.4             | 15.9 | 15.8 | 16.3 | 16.7 | 17.6             | 18.2 | 18.0 | 18.5 | 18.9 |
| 6H                                                 |     |     |     |     | 15.4             | 15.9 | 15.9 | 16.3 | 16.7 | 17.6             | 18.0 | 18.0 | 18.4 | 18.9 |
| 8H                                                 |     |     |     |     | 15.4             | 15.8 | 15.9 | 16.3 | 16.7 | 17.5             | 17.9 | 18.0 | 18.4 | 18.8 |
| 12H                                                |     |     |     |     | 15.4             | 15.8 | 15.9 | 16.2 | 16.7 | 17.5             | 17.8 | 18.0 | 18.3 | 18.8 |
| 12H 4H                                             |     |     |     |     | 15.3             | 15.8 | 15.7 | 16.2 | 16.6 | 17.6             | 18.1 | 18.0 | 18.5 | 18.9 |
| 6H                                                 |     |     |     |     | 15.4             | 15.8 | 15.8 | 16.2 | 16.7 | 17.5             | 17.9 | 18.0 | 18.4 | 18.8 |
| 8H                                                 |     |     |     |     | 15.4             | 15.7 | 15.9 | 16.2 | 16.7 | 17.5             | 17.8 | 18.0 | 18.3 | 18.8 |
| Variations with the observer position at spacings: |     |     |     |     |                  |      |      |      |      |                  |      |      |      |      |
| S = 1.0H                                           |     |     |     |     | + 0.9 / - 1.3    |      |      |      |      | + 3.5 / - 4.8    |      |      |      |      |
| 1.5H                                               |     |     |     |     | + 1.2 / - 0.9    |      |      |      |      | + 5.1 / - 4.0    |      |      |      |      |
| 2.0H                                               |     |     |     |     | + 1.3 / - 1.5    |      |      |      |      | + 5.8 / - 3.1    |      |      |      |      |

CIE Pub.117 Corrected 4028 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.8)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-01-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:7.540m [K=1.0000]  
 Remarks:

### UTILIZATION FACTORS TABLE

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |

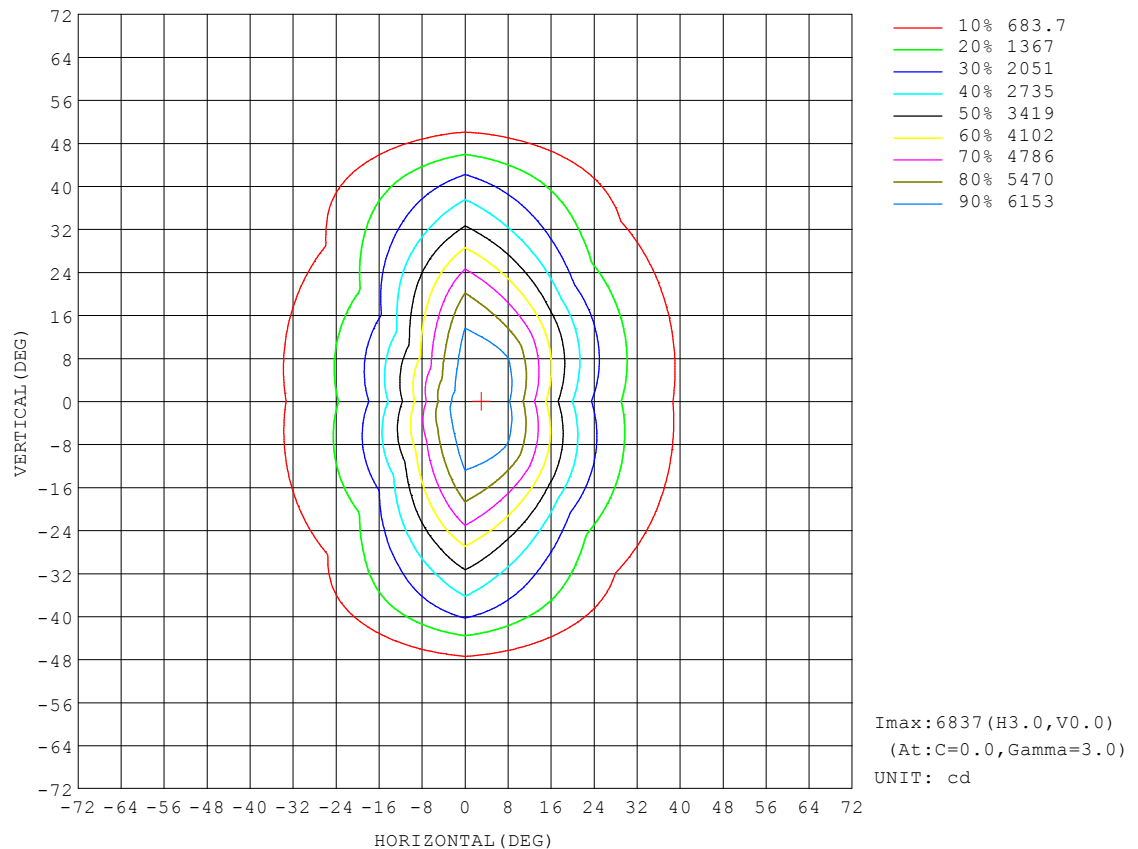
| REFLECTANCE                      |                                                 |     |     |     |     |     |     |     |     |        |
|----------------------------------|-------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling                          | 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) x RCR = 5 |     |     |     |     |     |     |     |     |        |
| k = 0.60                         | 96                                              | 87  | 82  | 96  | 87  | 82  | 95  | 87  | 81  | 76     |
| 0.80                             | 107                                             | 98  | 92  | 106 | 98  | 92  | 104 | 97  | 92  | 86     |
| 1.00                             | 114                                             | 105 | 100 | 113 | 105 | 100 | 110 | 105 | 99  | 94     |
| 1.25                             | 120                                             | 112 | 107 | 118 | 111 | 106 | 116 | 110 | 105 | 100    |
| 1.50                             | 123                                             | 117 | 112 | 122 | 116 | 111 | 119 | 114 | 110 | 104    |
| 2.00                             | 128                                             | 122 | 117 | 126 | 121 | 116 | 123 | 118 | 115 | 108    |
| 2.50                             | 130                                             | 125 | 121 | 128 | 123 | 120 | 124 | 120 | 117 | 110    |
| 3.00                             | 133                                             | 128 | 124 | 130 | 126 | 123 | 126 | 123 | 120 | 112    |
| 4.00                             | 136                                             | 132 | 128 | 133 | 130 | 127 | 128 | 126 | 123 | 114    |
| 5.00                             | 137                                             | 134 | 131 | 135 | 132 | 129 | 130 | 127 | 126 | 116    |
| ROOM INDEX                       | UF (total)                                      |     |     |     |     |     |     |     |     | Direct |
| According to DIN EN 13032-2 2004 |                                                 |     |     |     |     |     |     |     |     |        |
| Suspended                        |                                                 |     |     |     |     |     |     |     |     |        |
| SHRNOM = 1.25                    |                                                 |     |     |     |     |     |     |     |     |        |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |

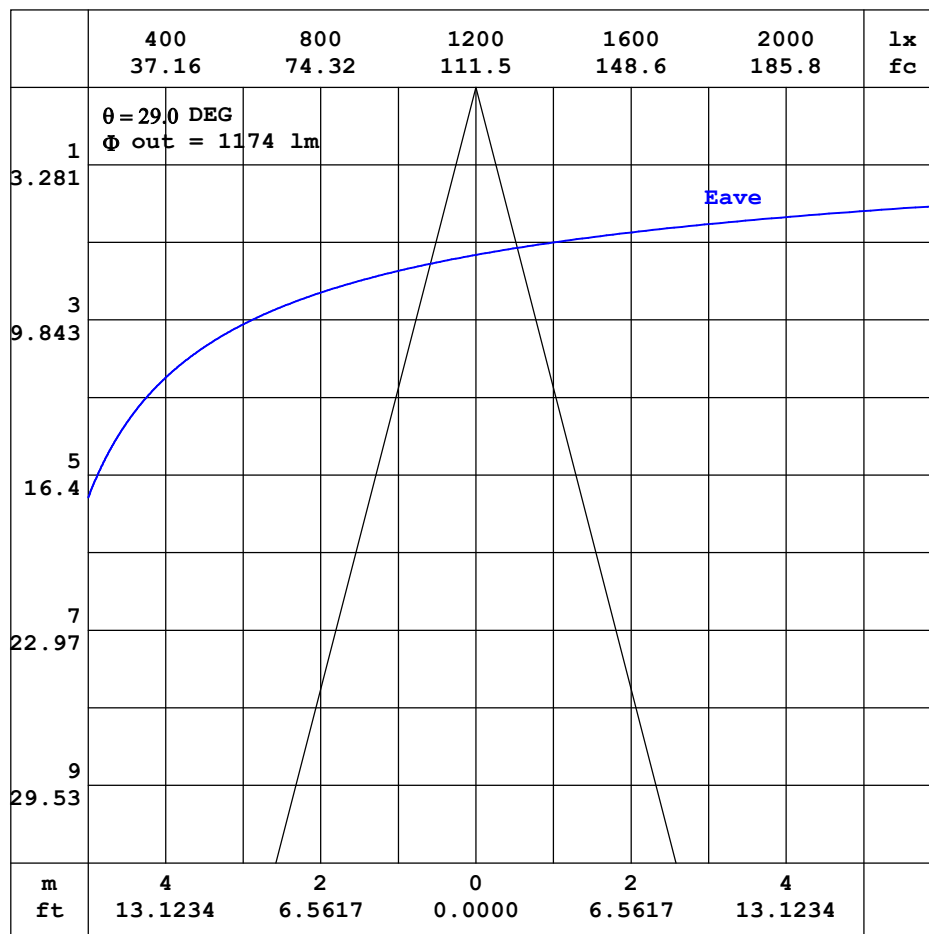


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## AAI CURVES

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |



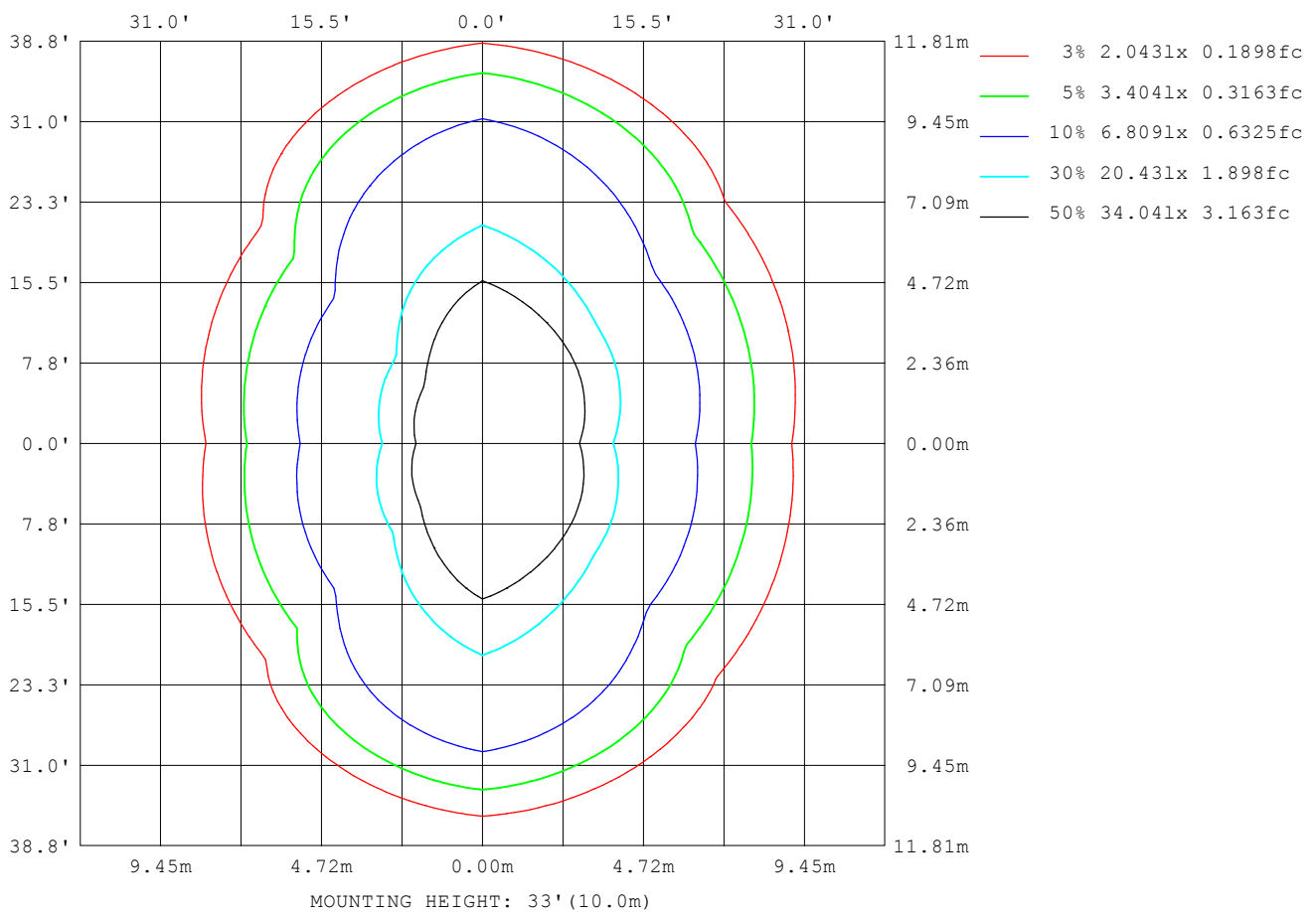
Note: The Curves indicate the illuminated area and the average illuminance when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 7.540m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |

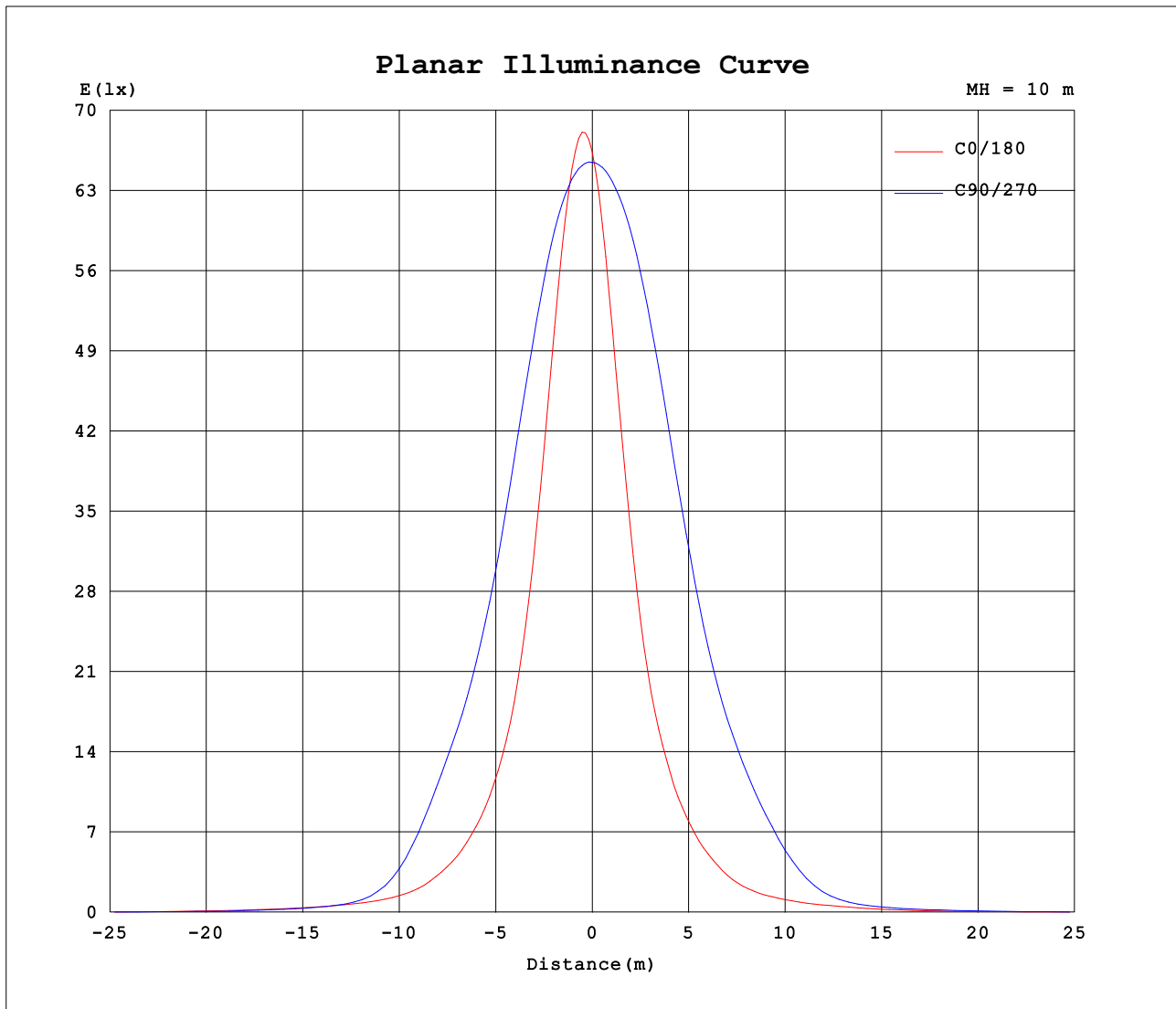
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 2206  |
| L_0~180 (75) av  | 1131  |
| L_0~180 (85) av  | 498   |
| L_90~270 (65) av | 2435  |
| L_90~270 (75) av | 1457  |
| L_90~270 (85) av | 471   |
| L_45 (65) av     | 2467  |
| L_45 (75) av     | 1212  |
| L_45 (85) av     | 463   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-01-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity: 65.0%  
Test Distance: 7.540m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                  |            |                  |
|------------------|------------|------------------|
| NAME: COVO light | TYPE:4000K | WEIGHT:          |
| SPEC.:           | DIM.:      | SERIAL No.:      |
| MFR.: EVERFINE   | SUR.:      | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 6634 | 6539 | 6546 | 6642 | 6634 | 6539 | 6546 | 6642 |  |  |  |  |  |  |  |  |  |  |
| 5                  | 6721 | 6804 | 6525 | 5925 | 5469 | 5694 | 6503 | 6812 |  |  |  |  |  |  |  |  |  |  |
| 10                 | 5700 | 6357 | 6356 | 4826 | 3906 | 4534 | 6363 | 6373 |  |  |  |  |  |  |  |  |  |  |
| 15                 | 4113 | 5310 | 5941 | 3620 | 2583 | 3364 | 6042 | 5406 |  |  |  |  |  |  |  |  |  |  |
| 20                 | 2724 | 3958 | 5282 | 2543 | 1761 | 2393 | 5489 | 4157 |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1833 | 2693 | 4450 | 1753 | 1236 | 1701 | 4718 | 2925 |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1281 | 1761 | 3630 | 1209 | 867  | 1204 | 3846 | 1953 |  |  |  |  |  |  |  |  |  |  |
| 35                 | 896  | 1150 | 2905 | 828  | 593  | 849  | 3074 | 1301 |  |  |  |  |  |  |  |  |  |  |
| 40                 | 610  | 765  | 2113 | 570  | 411  | 594  | 2375 | 870  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 413  | 520  | 1077 | 398  | 314  | 416  | 1538 | 589  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 314  | 359  | 420  | 281  | 248  | 299  | 692  | 405  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 248  | 251  | 234  | 199  | 186  | 219  | 315  | 283  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 185  | 176  | 153  | 133  | 116  | 153  | 200  | 199  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 116  | 112  | 86.0 | 78.3 | 70.8 | 92.0 | 120  | 134  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 73.0 | 63.3 | 55.5 | 43.8 | 38.5 | 52.6 | 73.6 | 79.2 |  |  |  |  |  |  |  |  |  |  |
| 75                 | 40.2 | 34.1 | 30.8 | 20.6 | 18.4 | 26.1 | 44.6 | 44.7 |  |  |  |  |  |  |  |  |  |  |
| 80                 | 19.5 | 15.0 | 11.5 | 6.86 | 6.48 | 10.1 | 22.3 | 21.3 |  |  |  |  |  |  |  |  |  |  |
| 85                 | 7.39 | 4.67 | 2.08 | 1.36 | 1.29 | 2.56 | 6.13 | 7.57 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 1.79 | 0.41 | 0.05 | 0.18 | 0.07 | 0.14 | 0.27 | 1.57 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.08 | 0.19 | 0.06 | 0.17 | 0.07 | 0.13 | 0.05 | 0.16 |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.08 | 0.16 | 0.09 | 0.16 | 0.08 | 0.12 | 0.04 | 0.14 |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.09 | 0.16 | 0.13 | 0.16 | 0.10 | 0.13 | 0.07 | 0.14 |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.11 | 0.18 | 0.22 | 0.19 | 0.13 | 0.15 | 0.13 | 0.15 |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.15 | 0.22 | 0.36 | 0.25 | 0.17 | 0.18 | 0.23 | 0.16 |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.19 | 0.27 | 0.54 | 0.36 | 0.22 | 0.26 | 0.39 | 0.23 |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.26 | 0.36 | 0.79 | 0.53 | 0.31 | 0.38 | 0.60 | 0.31 |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.35 | 0.50 | 1.09 | 0.78 | 0.44 | 0.58 | 0.87 | 0.45 |  |  |  |  |  |  |  |  |  |  |
| 135                | 0.50 | 0.68 | 1.39 | 1.15 | 0.63 | 0.89 | 1.16 | 0.63 |  |  |  |  |  |  |  |  |  |  |
| 140                | 0.70 | 0.96 | 1.71 | 1.61 | 0.91 | 1.31 | 1.49 | 0.90 |  |  |  |  |  |  |  |  |  |  |
| 145                | 1.00 | 1.31 | 2.05 | 2.13 | 1.34 | 1.82 | 1.83 | 1.24 |  |  |  |  |  |  |  |  |  |  |
| 150                | 1.47 | 1.71 | 2.38 | 2.67 | 1.93 | 2.36 | 2.19 | 1.64 |  |  |  |  |  |  |  |  |  |  |
| 155                | 2.12 | 2.16 | 2.73 | 3.16 | 2.68 | 2.88 | 2.54 | 2.07 |  |  |  |  |  |  |  |  |  |  |
| 160                | 2.89 | 2.58 | 3.04 | 3.53 | 3.41 | 3.28 | 2.90 | 2.49 |  |  |  |  |  |  |  |  |  |  |
| 165                | 3.57 | 2.96 | 3.32 | 3.77 | 3.91 | 3.57 | 3.23 | 2.89 |  |  |  |  |  |  |  |  |  |  |
| 170                | 4.07 | 3.29 | 3.55 | 3.90 | 4.21 | 3.75 | 3.50 | 3.27 |  |  |  |  |  |  |  |  |  |  |
| 175                | 4.28 | 3.57 | 3.68 | 3.92 | 4.22 | 3.82 | 3.66 | 3.61 |  |  |  |  |  |  |  |  |  |  |
| 180                | 4.24 | 3.78 | 3.73 | 3.85 | 4.24 | 3.78 | 3.73 | 3.85 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-01-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.540m [K=1.0000]  
Remarks: