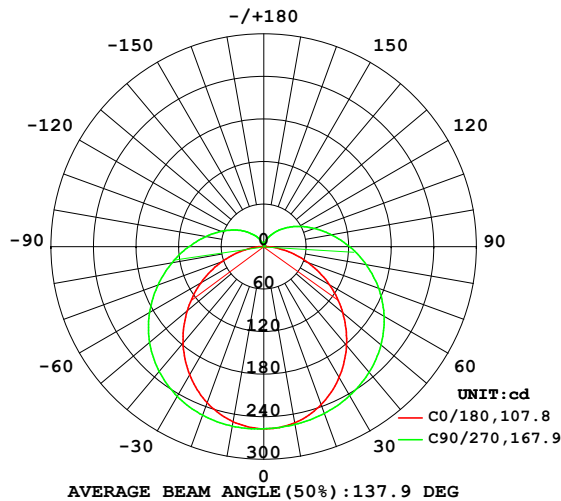


## LUMINAIRE PHOTOMETRIC TEST REPORT

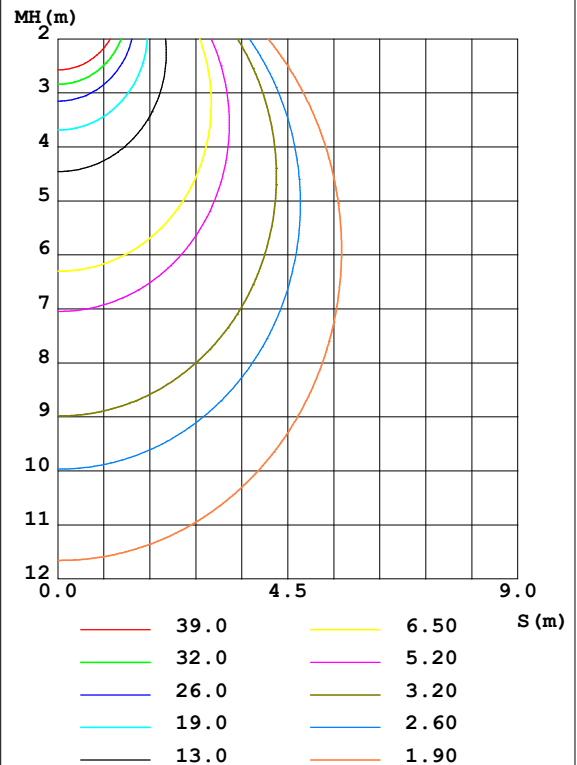
|                                                                               |                                               |                  |
|-------------------------------------------------------------------------------|-----------------------------------------------|------------------|
| Test:U:230.4V I:0.0798A P:10W PF:0.5546 Freq:49.99Hz Lamp Flux:1100x1 lm      |                                               |                  |
| SGSO SKU: 0028920141                                                          | TYPE:                                         | WEIGHT:          |
| SPEC.:0.6m T5 Cabinet,10W,1100lm,110lm/W,3CCT Switch,3000/3500/4000K,Linkable | DIM.: $\varnothing 582 \times 21.5 \text{mm}$ | SERIAL No.:      |
| MFR.: TOSPO                                                                   | SUR.:                                         | Shielding Angle: |

| DATA OF LAMP     |                | PHOTOMETRIC DATA Eff: 110 lm/W |         |                        |          |
|------------------|----------------|--------------------------------|---------|------------------------|----------|
| MODEL            | 0.6m-10w-4000K | Imax(cd)                       | 257.4   | S/MH(C0/180)           | 1.22     |
| NOMINAL POWER(W) | 10             | LOR(%)                         | 100.0   | S/MH(C90/270)          | 1.42     |
| RATED VOLTAGE(V) | 230            | TOTAL FLUX(lm)                 | 1100    | $\eta$ UP,DN(C0-180)   | 9.1,42.3 |
| NOMINAL FLUX(lm) | 1100           | CIE CLASS                      | SEMI-D. | $\eta$ UP,DN(C180-360) | 7.6,41.1 |
| LAMPS INSIDE     | 1              | $\eta$ up(%)                   | 16.6    | CIBSE SHR NOM          | 1.50     |
| TEST VOLTAGE(V)  |                | $\eta$ down(%)                 | 83.4    | CIBSE SHR MAX          | 1.55     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Testing Room  
Test Date:2023-03-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
Humidity:25%  
Test Distance:11.350m [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       | 252.2                 | 253.1 | 254.6 | 252.2 | 250.6 | 254.1 | 257.1 | 255.2 | 0- 10    | 24.37       | 24.37        | 2.08,2.08 |
| 20       | 237.1                 | 243.5 | 250.3 | 241.8 | 234.2 | 244.2 | 253.0 | 246.3 | 10- 20   | 70.50       | 94.87        | 8.09,8.09 |
| 30       | 212.9                 | 228.3 | 242.7 | 226.0 | 208.9 | 227.7 | 243.9 | 230.6 | 20- 30   | 109.1       | 204.0        | 17.4,17.4 |
| 40       | 181.7                 | 208.3 | 231.3 | 205.6 | 177.2 | 205.6 | 229.7 | 209.1 | 30- 40   | 136.2       | 340.2        | 29,29     |
| 50       | 145.6                 | 184.8 | 215.9 | 182.0 | 141.1 | 179.7 | 210.3 | 183.4 | 40- 50   | 149.6       | 489.8        | 41.8,41.8 |
| 60       | 106.8                 | 159.0 | 196.1 | 156.2 | 102.5 | 151.5 | 186.1 | 155.3 | 50- 60   | 149.0       | 638.8        | 54.5,54.5 |
| 70       | 66.94                 | 132.3 | 172.5 | 129.8 | 63.30 | 123.1 | 158.9 | 126.4 | 60- 70   | 135.9       | 774.7        | 66.1,66.1 |
| 80       | 29.41                 | 106.7 | 146.8 | 104.5 | 26.76 | 96.42 | 131.4 | 99.29 | 70- 80   | 114.1       | 888.8        | 75.8,75.8 |
| 90       | 3.946                 | 83.52 | 121.0 | 81.76 | 3.502 | 73.27 | 105.7 | 75.51 | 80- 90   | 88.87       | 977.6        | 83.4,83.4 |
| 100      | 0.7954                | 63.91 | 97.04 | 62.63 | 1.064 | 54.36 | 83.06 | 56.00 | 90-100   | 66.77       | 1044         | 89.1,89.1 |
| 110      | 0.9618                | 47.89 | 75.81 | 47.02 | 1.055 | 39.56 | 63.70 | 40.68 | 100-110  | 48.85       | 1093         | 93.2,93.2 |
| 120      | 1.161                 | 35.22 | 57.43 | 34.32 | 1.207 | 26.97 | 47.32 | 28.86 | 110-120  | 34.14       | 1127         | 96.2,96.2 |
| 130      | 1.296                 | 25.17 | 41.78 | 22.70 | 1.359 | 17.18 | 33.54 | 19.80 | 120-130  | 22.11       | 1150         | 98,98     |
| 140      | 1.434                 | 16.73 | 28.66 | 12.28 | 1.503 | 9.424 | 21.59 | 12.95 | 130-140  | 12.83       | 1162         | 99.1,99.1 |
| 150      | 1.563                 | 10.50 | 17.72 | 6.795 | 1.625 | 4.535 | 12.94 | 7.272 | 140-150  | 6.435       | 1169         | 99.7,99.7 |
| 160      | 1.665                 | 5.771 | 9.081 | 3.837 | 1.746 | 2.520 | 5.537 | 3.630 | 150-160  | 2.640       | 1171         | 99.9,99.9 |
| 170      | 1.730                 | 2.677 | 2.710 | 2.454 | 1.777 | 1.805 | 1.813 | 2.001 | 160-170  | 0.8407      | 1172         | 100,100   |
| 180      | 1.784                 | 1.843 | 1.859 | 1.834 | 1.784 | 1.813 | 1.813 | 1.818 | 170-180  | 0.1873      | 1172         | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 414.19 lm

%lum = 35.3%

%lamp = 35.3%

Conical surface Flux(120deg): 638.79 lm

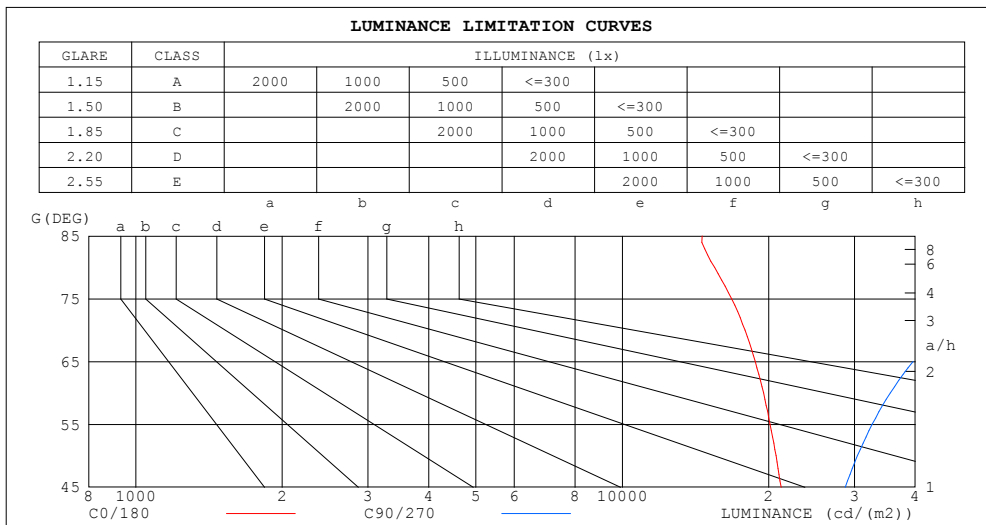
%lum = 54.5%

%lamp = 54.5%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Testing Room  
 Test Date:2023-03-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
 Humidity:25%  
 Test Distance:11.350m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 14602  | 139100  |
| 80                | 15474  | 76603   |
| 75                | 16765  | 55939   |
| 70                | 17881  | 45729   |
| 65                | 18771  | 39603   |
| 60                | 19509  | 35547   |
| 55                | 20131  | 32634   |
| 50                | 20695  | 30445   |
| 45                | 21207  | 28737   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Testing Room  
 Test Date: 2023-03-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
 Humidity: 25%  
 Test Distance: 11.350m [K=1.0000]  
 Remarks:

# WEC AND CCEC

| 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  | .388                  | .220 | .070 | .375 | .214 | .068 | .352                             | .202 | .065 | .331 | .191 | .061 | .312 | .181 | .058 |   |
| 2.0  | .335                  | .184 | .056 | .324 | .179 | .055 | .304                             | .169 | .052 | .284 | .159 | .050 | .267 | .151 | .048 |   |
| 3.0  | .298                  | .159 | .047 | .288 | .154 | .046 | .269                             | .146 | .044 | .252 | .138 | .042 | .235 | .130 | .040 |   |
| 4.0  | .268                  | .139 | .041 | .259 | .136 | .040 | .242                             | .128 | .038 | .226 | .121 | .037 | .211 | .115 | .035 |   |
| 5.0  | .243                  | .124 | .036 | .235 | .121 | .035 | .220                             | .114 | .034 | .205 | .108 | .032 | .192 | .103 | .031 |   |
| 6.0  | .223                  | .112 | .032 | .216 | .109 | .031 | .202                             | .103 | .030 | .188 | .098 | .029 | .176 | .093 | .028 |   |
| 7.0  | .206                  | .102 | .029 | .199 | .099 | .028 | .186                             | .094 | .027 | .174 | .089 | .026 | .163 | .084 | .025 |   |
| 8.0  | .191                  | .093 | .026 | .184 | .091 | .026 | .173                             | .086 | .025 | .162 | .082 | .024 | .151 | .078 | .023 |   |
| 9.0  | .178                  | .086 | .024 | .172 | .084 | .024 | .161                             | .080 | .023 | .151 | .076 | .022 | .141 | .072 | .021 |   |
| 10.0 | .166                  | .080 | .022 | .161 | .078 | .022 | .151                             | .074 | .021 | .142 | .070 | .020 | .133 | .067 | .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  | .317                  | .317 | .317 | .271 | .271 | .271 | .185                                        | .185 | .185 | .106 | .106 | .106 | .034 | .034 | .034 |   |
| 1.0  | .313                  | .283 | .256 | .268 | .243 | .220 | .183                                        | .167 | .152 | .106 | .097 | .089 | .034 | .031 | .029 |   |
| 2.0  | .307                  | .260 | .221 | .263 | .224 | .191 | .180                                        | .155 | .133 | .104 | .090 | .078 | .033 | .029 | .025 |   |
| 3.0  | .299                  | .244 | .200 | .256 | .210 | .173 | .176                                        | .146 | .121 | .102 | .085 | .072 | .033 | .028 | .023 |   |
| 4.0  | .291                  | .231 | .185 | .250 | .200 | .161 | .172                                        | .139 | .113 | .099 | .082 | .067 | .032 | .027 | .022 |   |
| 5.0  | .284                  | .221 | .175 | .243 | .191 | .153 | .168                                        | .134 | .108 | .097 | .079 | .064 | .031 | .026 | .021 |   |
| 6.0  | .276                  | .213 | .168 | .237 | .185 | .147 | .164                                        | .129 | .104 | .095 | .076 | .062 | .031 | .025 | .020 |   |
| 7.0  | .269                  | .207 | .163 | .231 | .179 | .142 | .160                                        | .126 | .101 | .093 | .074 | .060 | .030 | .024 | .020 |   |
| 8.0  | .262                  | .201 | .159 | .226 | .174 | .139 | .156                                        | .123 | .098 | .091 | .072 | .059 | .029 | .024 | .019 |   |
| 9.0  | .256                  | .196 | .156 | .220 | .170 | .136 | .153                                        | .120 | .097 | .089 | .071 | .058 | .029 | .023 | .019 |   |
| 10.0 | .250                  | .192 | .154 | .216 | .167 | .134 | .150                                        | .117 | .095 | .087 | .069 | .057 | .028 | .023 | .019 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Testing Room  
Test Date:2023-03-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
Humidity:25%  
Test Distance:11.350m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                    |                  |      |      |      |      |                |      |      |      |      |
|----------------------------------------------------|------------------|------|------|------|------|----------------|------|------|------|------|
| 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                                      | 21.5             | 22.9 | 22.0 | 23.4 | 23.9 | 23.9           | 25.3 | 24.4 | 25.8 | 26.4 |
| 3H                                                 | 23.1             | 24.4 | 23.6 | 24.9 | 25.5 | 26.7           | 28.0 | 27.2 | 28.5 | 29.1 |
| 4H                                                 | 23.7             | 25.0 | 24.3 | 25.5 | 26.1 | 28.2           | 29.4 | 28.7 | 29.9 | 30.5 |
| 6H                                                 | 24.2             | 25.4 | 24.8 | 26.0 | 26.6 | 29.8           | 30.9 | 30.4 | 31.5 | 32.1 |
| 8H                                                 | 24.4             | 25.5 | 25.0 | 26.1 | 26.8 | 30.7           | 31.8 | 31.3 | 32.4 | 33.0 |
| 12H                                                | 24.6             | 25.6 | 25.1 | 26.2 | 26.9 | 31.7           | 32.8 | 32.3 | 33.4 | 34.0 |
| 4H 2H                                              | 22.8             | 24.0 | 23.3 | 24.5 | 25.1 | 24.5           | 25.7 | 25.0 | 26.3 | 26.9 |
| 3H                                                 | 24.6             | 25.7 | 25.2 | 26.2 | 26.9 | 27.5           | 28.6 | 28.1 | 29.1 | 29.8 |
| 4H                                                 | 25.4             | 26.4 | 26.1 | 27.0 | 27.7 | 29.2           | 30.2 | 29.8 | 30.8 | 31.4 |
| 6H                                                 | 26.2             | 27.1 | 26.8 | 27.7 | 28.4 | 31.0           | 31.9 | 31.7 | 32.6 | 33.3 |
| 8H                                                 | 26.5             | 27.3 | 27.1 | 27.9 | 28.7 | 32.1           | 32.9 | 32.7 | 33.5 | 34.3 |
| 12H                                                | 26.7             | 27.4 | 27.3 | 28.1 | 28.8 | 33.2           | 34.0 | 33.9 | 34.7 | 35.4 |
| 8H 4H                                              | 26.6             | 27.4 | 27.3 | 28.1 | 28.8 | 29.5           | 30.4 | 30.2 | 31.0 | 31.7 |
| 6H                                                 | 27.7             | 28.4 | 28.4 | 29.1 | 29.9 | 31.7           | 32.4 | 32.4 | 33.1 | 33.8 |
| 8H                                                 | 28.2             | 28.9 | 28.9 | 29.5 | 30.3 | 32.9           | 33.6 | 33.6 | 34.3 | 35.1 |
| 12H                                                | 28.7             | 29.2 | 29.4 | 29.9 | 30.7 | 34.4           | 34.9 | 35.1 | 35.6 | 36.5 |
| 12H 4H                                             | 27.0             | 27.7 | 27.6 | 28.4 | 29.2 | 29.5           | 30.3 | 30.2 | 31.0 | 31.7 |
| 6H                                                 | 28.3             | 29.0 | 29.0 | 29.7 | 30.5 | 31.8           | 32.4 | 32.5 | 33.1 | 33.9 |
| 8H                                                 | 29.0             | 29.6 | 29.7 | 30.3 | 31.1 | 33.2           | 33.7 | 33.9 | 34.4 | 35.3 |
| Variations with the observer position at spacings: |                  |      |      |      |      |                |      |      |      |      |
| 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 / - 0.4  |      |      |      |      |

CIE Pub.117, 1172 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 0.6$ )

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Testing Room  
Test Date:2023-03-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
Humidity:25%  
Test Distance:11.350m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

| 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                         | 48                                               | 36  | 28  | 47        | 35  | 28  | 45  | 34             | 28  | 21     |
| 0.80                             | 57                                               | 44  | 36  | 56        | 43  | 36  | 53  | 42             | 35  | 27     |
| 1.00                             | 65                                               | 52  | 44  | 63        | 51  | 43  | 60  | 52             | 42  | 33     |
| 1.25                             | 72                                               | 59  | 51  | 70        | 58  | 50  | 65  | 55             | 48  | 39     |
| 1.50                             | 77                                               | 65  | 56  | 74        | 63  | 55  | 70  | 60             | 53  | 43     |
| 2.00                             | 84                                               | 73  | 65  | 81        | 71  | 63  | 76  | 67             | 61  | 49     |
| 2.50                             | 89                                               | 78  | 70  | 85        | 76  | 69  | 79  | 72             | 66  | 53     |
| 3.00                             | 92                                               | 83  | 76  | 89        | 81  | 74  | 83  | 76             | 70  | 57     |
| 4.00                             | 97                                               | 89  | 83  | 93        | 86  | 80  | 86  | 81             | 76  | 62     |
| 5.00                             | 100                                              | 93  | 87  | 96        | 90  | 85  | 89  | 84             | 80  | 65     |
| ROOM INDEX                       | UF (total)                                       |     |     |           |     |     |     |                |     | Direct |
| According to DIN EN 13032-2 2004 |                                                  |     |     | Suspended |     |     |     | SHR NOM = 1.25 |     |        |

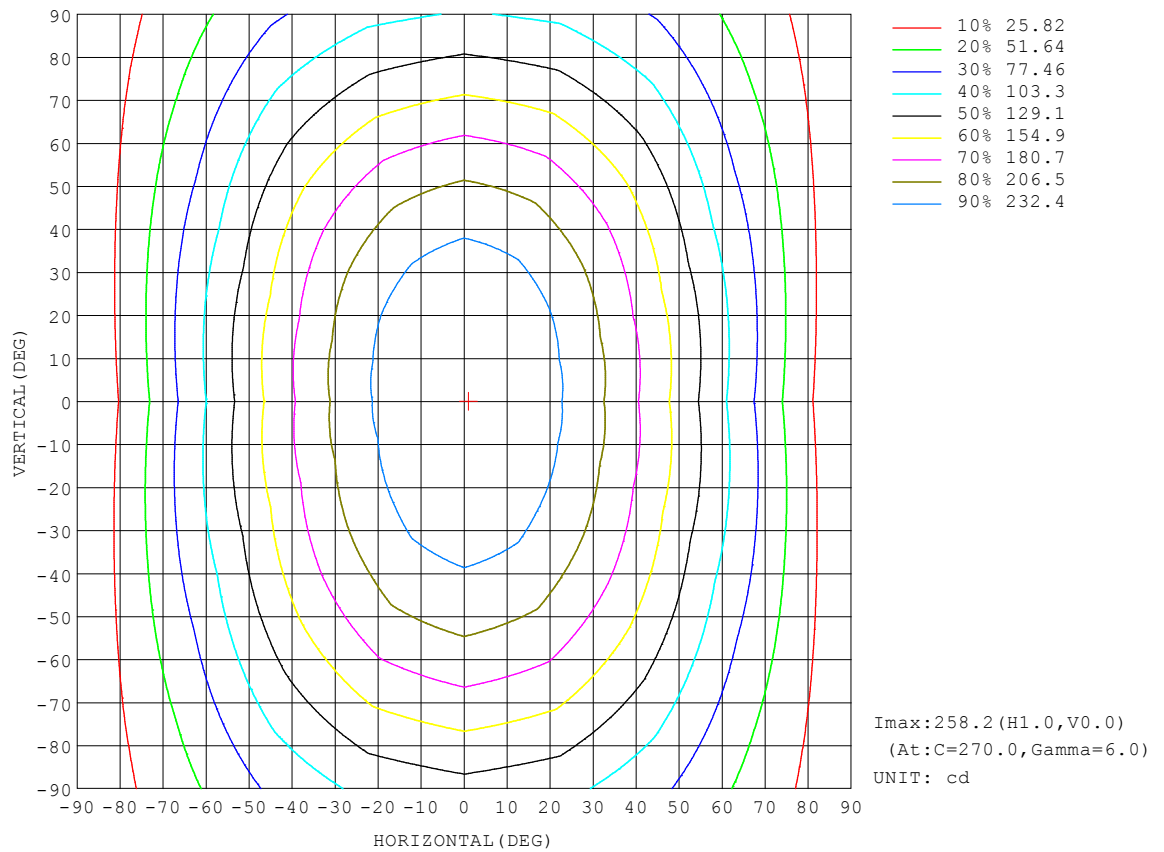
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Testing Room  
Test Date:2023-03-02

```

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:25%
Test Distance:11.350m [K=1.0000]
Remarks:

```

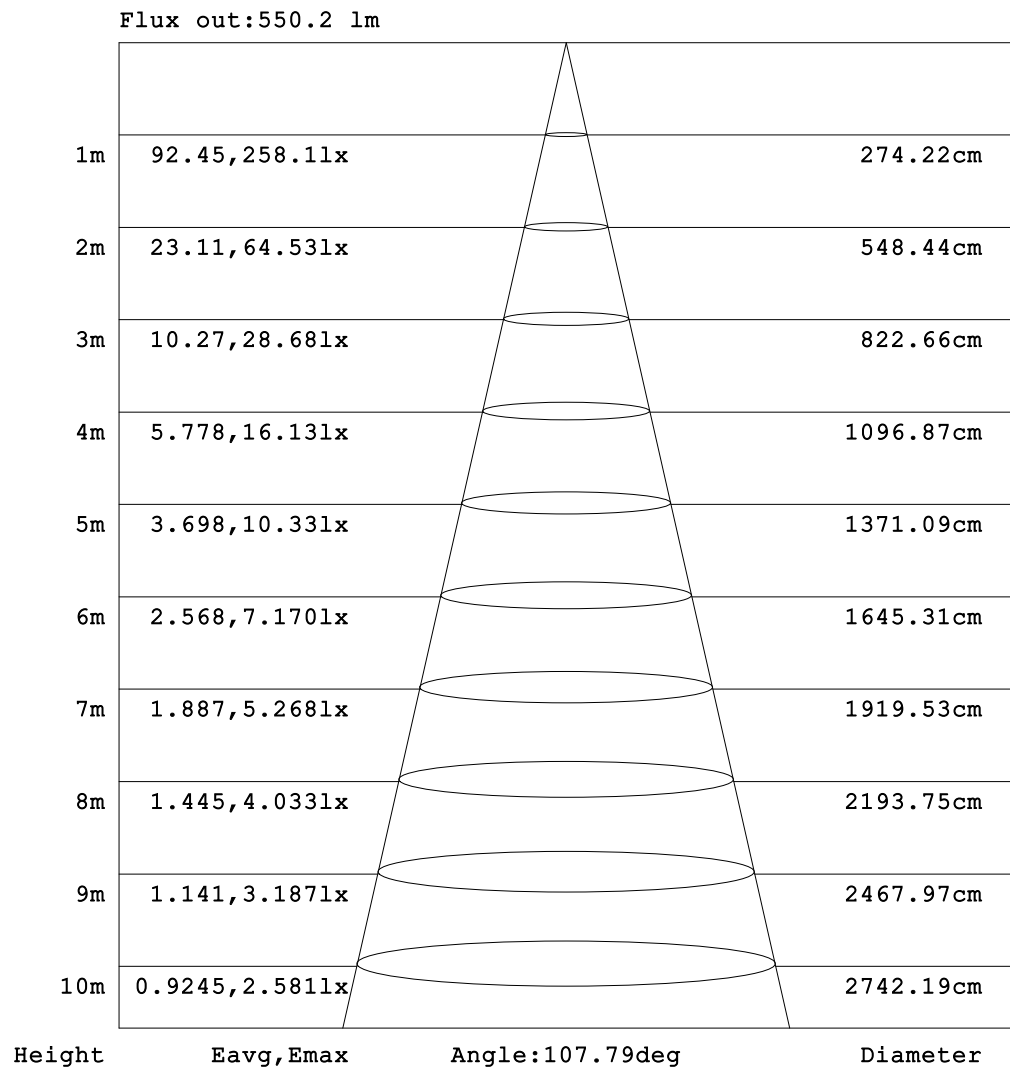
# ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Testing Room  
Test Date:2023-03-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
Humidity:25%  
Test Distance:11.350m [K=1.0000]  
Remarks:

### AAI Figure

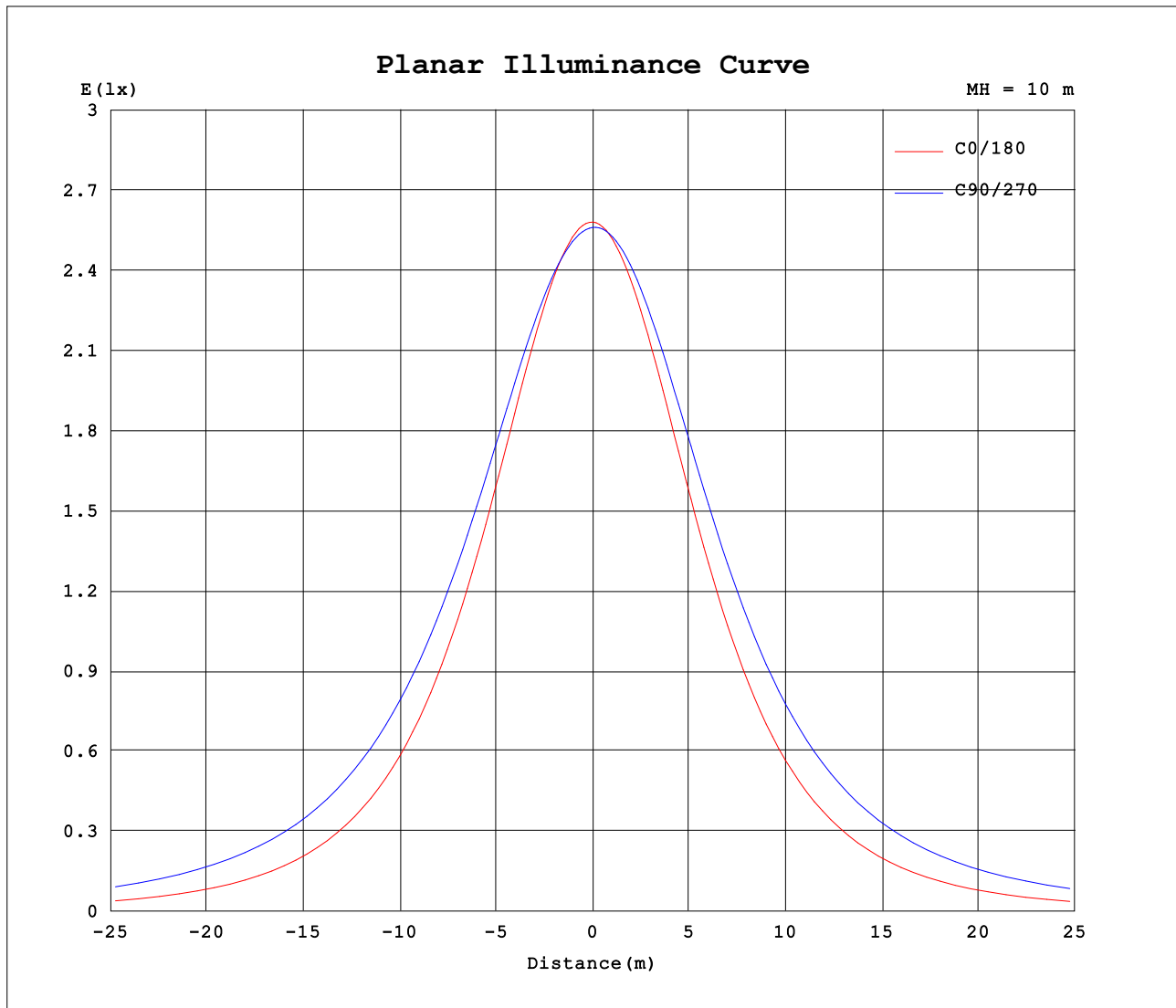


**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Testing Room  
Test Date:2023-03-02

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
Humidity:25%  
Test Distance:11.350m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Testing Room  
 Test Date: 2023-03-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-3000H\_V1 SYSTEM V2.0.361  
 Humidity: 25%  
 Test Distance: 11.350m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| $\gamma$ (DEG) \ C (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                        | 257  | 257  | 257  | 257  | 257  | 257   | 257  | 257   | 257  | 257   | 257  | 257   | 257  | 257   | 257  | 257   |  |  |  |
| 5                        | 256  | 256  | 256  | 256  | 256  | 256   | 255  | 255   | 255  | 256   | 256  | 257   | 257  | 257   | 257  | 256   |  |  |  |
| 10                       | 252  | 252  | 253  | 254  | 255  | 254   | 252  | 251   | 251  | 252   | 254  | 256   | 257  | 257   | 255  | 253   |  |  |  |
| 15                       | 246  | 247  | 249  | 252  | 253  | 251   | 248  | 244   | 244  | 246   | 250  | 254   | 256  | 255   | 252  | 248   |  |  |  |
| 20                       | 237  | 239  | 244  | 249  | 250  | 248   | 242  | 236   | 234  | 238   | 244  | 250   | 253  | 251   | 246  | 240   |  |  |  |
| 25                       | 226  | 229  | 237  | 244  | 247  | 243   | 235  | 226   | 223  | 227   | 237  | 245   | 249  | 246   | 239  | 231   |  |  |  |
| 30                       | 213  | 217  | 228  | 239  | 243  | 238   | 226  | 214   | 209  | 215   | 228  | 239   | 244  | 240   | 231  | 219   |  |  |  |
| 35                       | 198  | 204  | 219  | 233  | 237  | 231   | 216  | 201   | 194  | 202   | 217  | 231   | 237  | 233   | 220  | 206   |  |  |  |
| 40                       | 182  | 190  | 208  | 225  | 231  | 224   | 206  | 186   | 177  | 187   | 206  | 222   | 230  | 224   | 209  | 191   |  |  |  |
| 45                       | 164  | 175  | 197  | 217  | 224  | 215   | 194  | 171   | 160  | 171   | 193  | 212   | 221  | 214   | 197  | 175   |  |  |  |
| 50                       | 146  | 159  | 185  | 208  | 216  | 206   | 182  | 155   | 141  | 155   | 180  | 201   | 210  | 203   | 183  | 159   |  |  |  |
| 55                       | 126  | 143  | 172  | 198  | 207  | 196   | 169  | 139   | 122  | 138   | 166  | 189   | 199  | 191   | 170  | 142   |  |  |  |
| 60                       | 107  | 126  | 159  | 187  | 196  | 185   | 156  | 122   | 103  | 121   | 152  | 176   | 186  | 178   | 155  | 125   |  |  |  |
| 65                       | 86.8 | 110  | 146  | 175  | 185  | 173   | 143  | 106   | 82.9 | 104   | 137  | 162   | 173  | 165   | 141  | 108   |  |  |  |
| 70                       | 66.9 | 93.4 | 132  | 162  | 173  | 161   | 130  | 90.0  | 63.3 | 87.7  | 123  | 148   | 159  | 151   | 126  | 91.4  |  |  |  |
| 75                       | 47.5 | 78.2 | 119  | 150  | 160  | 148   | 117  | 75.1  | 44.4 | 72.3  | 109  | 135   | 145  | 137   | 113  | 75.7  |  |  |  |
| 80                       | 29.4 | 64.2 | 107  | 137  | 147  | 136   | 105  | 61.5  | 26.8 | 58.4  | 96.4 | 122   | 131  | 124   | 99.3 | 61.3  |  |  |  |
| 85                       | 13.9 | 52.0 | 94.7 | 124  | 134  | 123   | 92.8 | 49.7  | 12.1 | 46.4  | 84.3 | 109   | 118  | 111   | 86.9 | 48.7  |  |  |  |
| 90                       | 3.95 | 41.8 | 83.5 | 112  | 121  | 111   | 81.8 | 40.0  | 3.50 | 36.5  | 73.3 | 96.8  | 106  | 98.5  | 75.5 | 38.3  |  |  |  |
| 95                       | 1.41 | 33.8 | 73.2 | 100  | 109  | 99.2  | 71.7 | 32.3  | 1.71 | 28.7  | 63.3 | 85.6  | 94.0 | 87.1  | 65.2 | 30.1  |  |  |  |
| 100                      | 0.80 | 27.5 | 63.9 | 89.2 | 97.0 | 88.2  | 62.6 | 26.4  | 1.06 | 22.9  | 54.4 | 75.3  | 83.1 | 76.6  | 56.0 | 23.9  |  |  |  |
| 105                      | 0.86 | 22.8 | 55.5 | 78.8 | 86.1 | 78.0  | 54.5 | 22.0  | 1.01 | 18.5  | 46.5 | 65.8  | 73.0 | 66.9  | 47.9 | 19.3  |  |  |  |
| 110                      | 0.96 | 19.2 | 47.9 | 69.1 | 75.8 | 68.4  | 47.0 | 18.6  | 1.06 | 15.1  | 39.6 | 56.5  | 63.7 | 58.0  | 40.7 | 15.7  |  |  |  |
| 115                      | 1.06 | 16.3 | 41.2 | 60.2 | 66.3 | 59.6  | 40.5 | 15.8  | 1.12 | 12.5  | 33.4 | 48.8  | 55.1 | 50.0  | 34.4 | 12.9  |  |  |  |
| 120                      | 1.16 | 13.3 | 35.2 | 52.0 | 57.4 | 51.5  | 34.3 | 12.9  | 1.21 | 10.1  | 27.0 | 41.5  | 47.3 | 42.6  | 28.9 | 10.7  |  |  |  |
| 125                      | 1.21 | 11.5 | 29.9 | 44.5 | 49.3 | 44.1  | 27.8 | 10.4  | 1.28 | 7.31  | 21.6 | 34.2  | 40.1 | 35.9  | 24.0 | 8.78  |  |  |  |
| 130                      | 1.30 | 9.90 | 25.2 | 37.7 | 41.8 | 37.3  | 22.7 | 8.12  | 1.36 | 5.16  | 17.2 | 27.9  | 33.5 | 29.9  | 19.8 | 6.79  |  |  |  |
| 135                      | 1.38 | 7.81 | 20.3 | 31.4 | 34.9 | 29.6  | 16.2 | 5.93  | 1.43 | 3.90  | 12.7 | 22.5  | 26.6 | 24.5  | 16.1 | 5.57  |  |  |  |
| 140                      | 1.43 | 6.58 | 16.7 | 25.5 | 28.7 | 24.0  | 12.3 | 4.79  | 1.50 | 3.04  | 9.42 | 17.1  | 21.6 | 19.7  | 13.0 | 4.02  |  |  |  |
| 145                      | 1.52 | 4.92 | 13.8 | 20.1 | 22.3 | 16.5  | 9.41 | 3.91  | 1.56 | 2.50  | 6.33 | 12.4  | 17.1 | 15.5  | 9.45 | 3.28  |  |  |  |
| 150                      | 1.56 | 4.17 | 10.5 | 16.1 | 17.7 | 11.8  | 6.79 | 3.28  | 1.62 | 1.63  | 4.54 | 8.05  | 12.9 | 11.3  | 7.27 | 2.45  |  |  |  |
| 155                      | 1.60 | 3.46 | 7.73 | 12.0 | 13.5 | 8.03  | 4.91 | 2.77  | 1.70 | 1.65  | 3.34 | 5.11  | 6.54 | 8.08  | 5.12 | 1.82  |  |  |  |
| 160                      | 1.67 | 2.57 | 5.77 | 8.22 | 9.08 | 5.11  | 3.84 | 2.51  | 1.75 | 1.67  | 2.52 | 3.44  | 5.54 | 5.29  | 3.63 | 1.76  |  |  |  |
| 165                      | 1.68 | 1.98 | 4.19 | 5.45 | 6.08 | 3.55  | 2.94 | 2.27  | 1.77 | 1.69  | 1.77 | 2.20  | 2.59 | 3.35  | 2.13 | 1.76  |  |  |  |
| 170                      | 1.73 | 1.85 | 2.68 | 3.63 | 2.71 | 2.57  | 2.45 | 1.95  | 1.78 | 1.73  | 1.81 | 1.81  | 1.81 | 1.83  | 2.00 | 1.76  |  |  |  |
| 175                      | 1.77 | 1.81 | 1.87 | 2.08 | 2.24 | 2.05  | 1.85 | 1.86  | 1.78 | 1.77  | 1.81 | 1.80  | 1.81 | 1.80  | 1.87 | 1.77  |  |  |  |
| 180                      | 1.78 | 1.79 | 1.84 | 1.84 | 1.86 | 1.83  | 1.83 | 1.83  | 1.78 | 1.79  | 1.81 | 1.81  | 1.81 | 1.80  | 1.82 | 1.81  |  |  |  |

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:Testing Room

Test Date:2023-03-02

 $\gamma$  Range: 0 - 180DEG

 $\gamma$  Interval: 1.0DEG

Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.0.361

Humidity:25%

Test Distance:11.350m [K=1.0000]

Remarks: