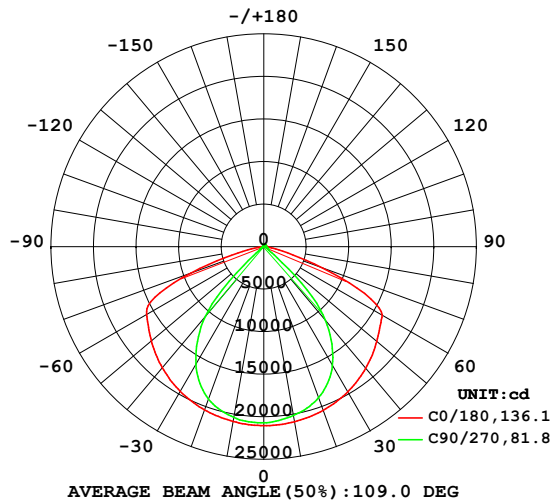


## LUMINAIRE PHOTOMETRIC TEST REPORT

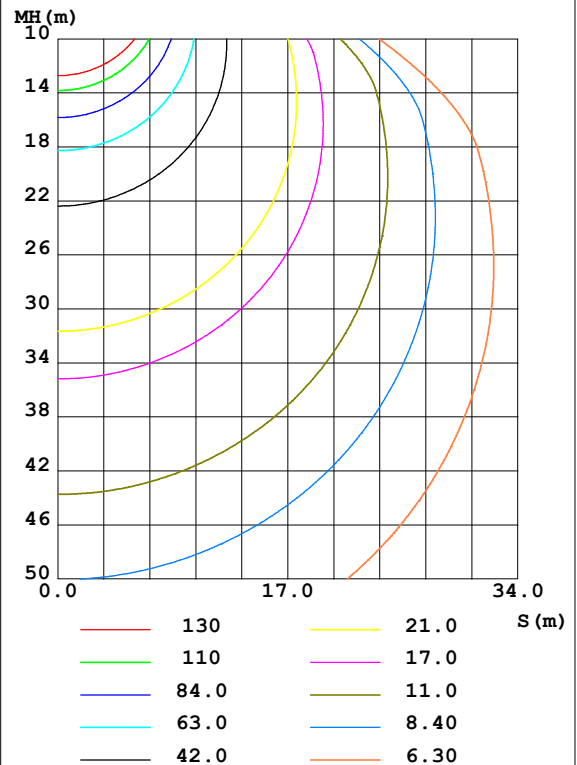
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 187.18 lm/W |        |                     |           |
|-------------------|---------|-----------------------------------|--------|---------------------|-----------|
| MODEL             |         | I <sub>max</sub> (cd)             | 21036  | S/MH (C0/180)       | 1.41      |
| NOMINAL POWER (W) | 250     | LOR (%)                           | 100.0  | S/MH (C90/270)      | 1.16      |
| RATED VOLTAGE (V) | 220     | TOTAL FLUX (lm)                   | 45982  | η UP, DN (C0-180)   | 1.5, 49.3 |
| NOMINAL FLUX (lm) | 45981.8 | CIE CLASS                         | DIRECT | η UP, DN (C180-360) | 0.8, 48.3 |
| LAMPS INSIDE      | 1       | η up (%)                          | 2.3    | CIBSE SHR NOM       | 1.25      |
| TEST VOLTAGE (V)  | 220     | η down (%)                        | 97.7   | CIBSE SHR MAX       | 1.35      |

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: Jason  
Test Date: 2025-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.200m [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       | 2090                     | 2045  | 2015  | 2017  | 2086  | 2063  | 2038  | 2040  | 0- 10    | 1970        | 1970         | 4.29,4.29  |
| 20       | 2046                     | 1957  | 1887  | 1929  | 2041  | 1972  | 1905  | 1951  | 10- 20   | 5685        | 7656         | 16.6,16.6  |
| 30       | 1973                     | 1785  | 1615  | 1761  | 1965  | 1787  | 1595  | 1768  | 20- 30   | 8684        | 16339        | 35.5,35.5  |
| 40       | 1865                     | 1435  | 1128  | 1424  | 1856  | 1395  | 1067  | 1384  | 30- 40   | 10192       | 26531        | 57.7,57.7  |
| 50       | 1734                     | 639.8 | 215.1 | 640.0 | 1726  | 466.7 | 115.6 | 475.6 | 40- 50   | 8727        | 35258        | 76.7,76.7  |
| 60       | 1607                     | 69.26 | 61.43 | 67.52 | 1591  | 54.07 | 41.30 | 54.97 | 50- 60   | 4673        | 39931        | 86.8,86.8  |
| 70       | 737.7                    | 46.70 | 36.80 | 45.75 | 912.8 | 28.07 | 16.66 | 29.12 | 60- 70   | 3577        | 43508        | 94.6,94.6  |
| 80       | 92.47                    | 26.58 | 22.58 | 25.33 | 113.4 | 7.741 | 6.255 | 8.131 | 70- 80   | 1203        | 44711        | 97.2,97.2  |
| 90       | 22.94                    | 18.55 | 15.00 | 17.48 | 5.345 | 3.256 | 2.405 | 3.627 | 80- 90   | 203.0       | 44914        | 97.7,97.7  |
| 100      | 22.74                    | 18.50 | 14.91 | 17.13 | 7.288 | 5.195 | 4.010 | 5.882 | 90-100   | 124.6       | 45039        | 97.9,97.9  |
| 110      | 22.55                    | 19.69 | 16.19 | 17.99 | 10.01 | 7.854 | 6.546 | 8.842 | 100-110  | 135.1       | 45174        | 98.2,98.2  |
| 120      | 23.10                    | 21.65 | 18.35 | 19.62 | 12.89 | 10.98 | 9.832 | 12.21 | 110-120  | 147.3       | 45321        | 98.6,98.6  |
| 130      | 24.16                    | 23.83 | 20.98 | 21.52 | 15.76 | 14.09 | 13.47 | 15.49 | 120-130  | 155.7       | 45477        | 98.9,98.9  |
| 140      | 25.36                    | 25.66 | 23.23 | 22.79 | 18.38 | 16.65 | 16.79 | 18.44 | 130-140  | 153.3       | 45630        | 99.2,99.2  |
| 150      | 26.86                    | 27.02 | 24.73 | 24.12 | 21.12 | 19.22 | 19.52 | 20.94 | 140-150  | 137.5       | 45767        | 99.5,99.5  |
| 160      | 28.80                    | 28.35 | 26.48 | 26.54 | 24.51 | 22.99 | 22.74 | 23.74 | 150-160  | 111.5       | 45879        | 99.8,99.8  |
| 170      | 30.20                    | 29.54 | 28.37 | 28.55 | 27.65 | 26.69 | 26.49 | 26.72 | 160-170  | 75.66       | 45955        | 99.9,99.9  |
| 180      | 30.06                    | 29.20 | 28.72 | 28.88 | 30.26 | 29.03 | 28.87 | 28.76 | 170-180  | 27.27       | 45982        | 100,100    |
| DEG      | LUMINOUS INTENSITY:×10cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 31383 lm

%lum = 68.2%

%lamp = 68.2%

Conical surface Flux(120deg): 39931 lm

%lum = 86.8%

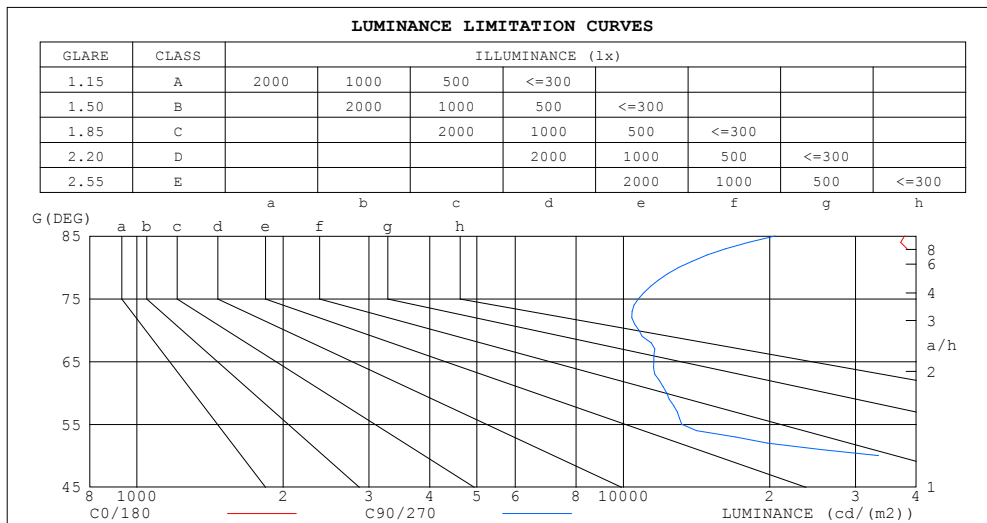
%lamp = 86.8%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2025-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 37858  | 20529   |
| 80                | 53249  | 13003   |
| 75                | 112201 | 10739   |
| 70                | 215701 | 10759   |
| 65                | 309398 | 11553   |
| 60                | 321318 | 12287   |
| 55                | 290442 | 13193   |
| 50                | 269751 | 33463   |
| 45                | 254890 | 102608  |

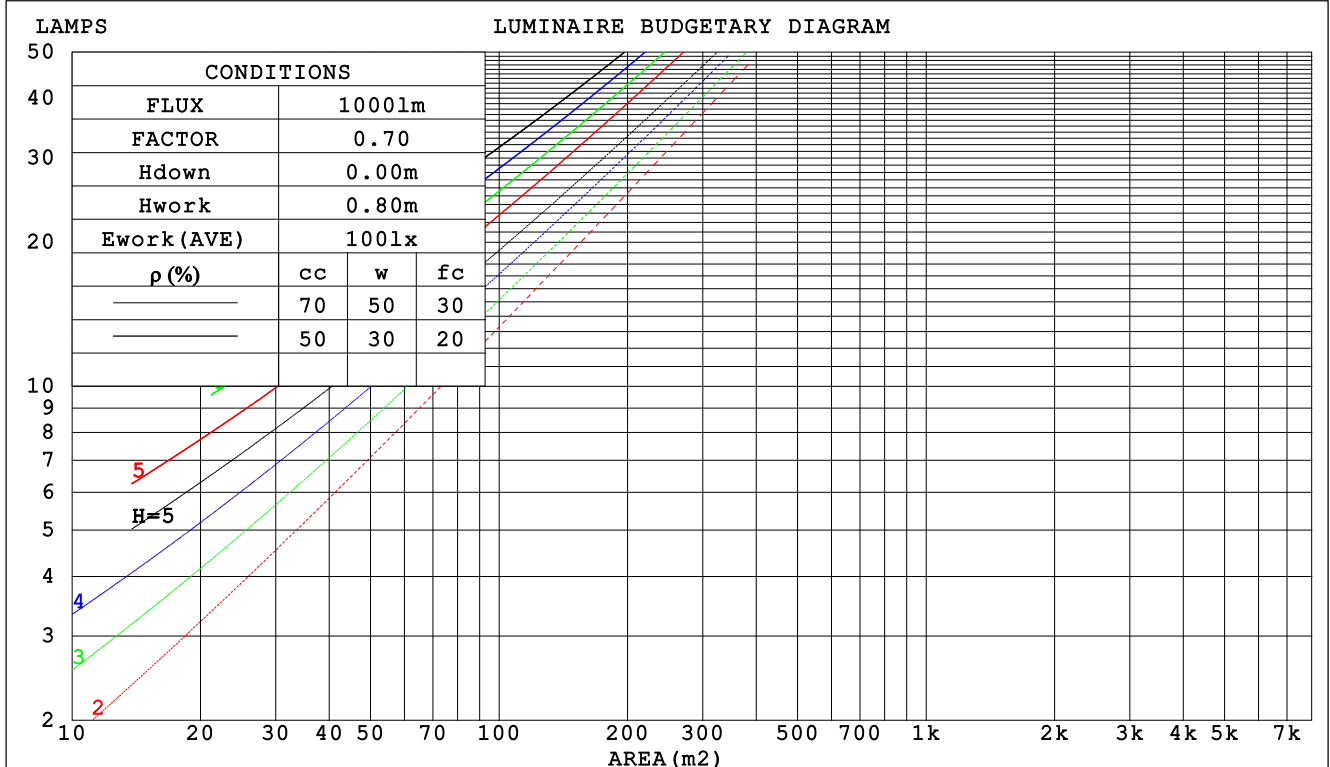
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | 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                   | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
| RCR:Room Cavity Ratio |                                 |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
| 0.0                   | 1.18                            | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0                   | 1.06                            | 1.03 | .00  | 1.04 | 1.01 | .98  | .99  | .97  | .94  | .95  | .93  | .91  | .91 | .90 | .88 | .86 |
| 2.0                   | .95                             | .89  | .84  | .93  | .88  | .83  | .89  | .85  | .81  | .86  | .82  | .79  | .82 | .79 | .77 | .75 |
| 3.0                   | .85                             | .78  | .72  | .83  | .77  | .71  | .80  | .75  | .70  | .77  | .72  | .69  | .74 | .70 | .67 | .65 |
| 4.0                   | .76                             | .69  | .63  | .75  | .68  | .62  | .72  | .66  | .61  | .70  | .64  | .60  | .67 | .63 | .59 | .57 |
| 5.0                   | .69                             | .61  | .55  | .68  | .60  | .55  | .66  | .59  | .54  | .63  | .58  | .53  | .61 | .56 | .53 | .51 |
| 6.0                   | .63                             | .55  | .49  | .62  | .54  | .49  | .60  | .53  | .48  | .58  | .52  | .48  | .56 | .51 | .47 | .45 |
| 7.0                   | .57                             | .49  | .44  | .56  | .49  | .44  | .55  | .48  | .43  | .53  | .47  | .43  | .52 | .46 | .42 | .40 |
| 8.0                   | .53                             | .45  | .39  | .52  | .44  | .39  | .50  | .44  | .39  | .49  | .43  | .39  | .48 | .42 | .38 | .36 |
| 9.0                   | .49                             | .41  | .36  | .48  | .41  | .36  | .47  | .40  | .35  | .45  | .39  | .35  | .44 | .39 | .35 | .33 |
| 10.0                  | .45                             | .38  | .33  | .44  | .37  | .33  | .43  | .37  | .32  | .42  | .36  | .32  | .41 | .36 | .32 | .30 |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                                  |  |       |  |                  |  |
|----------------------------------------------------------------------------------|--|-------|--|------------------|--|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |  |       |  |                  |  |
| NAME:                                                                            |  | TYPE: |  | 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  | .252                  | .143 | .045 | .245 | .140 | .044 | .230                            | .132 | .042 | .217 | .125 | .040 | .205 | .119 | .038 |   |
| 2.0  | .244                  | .134 | .041 | .237 | .131 | .040 | .225                            | .125 | .039 | .213 | .120 | .037 | .203 | .115 | .036 |   |
| 3.0  | .231                  | .123 | .037 | .225 | .121 | .036 | .214                            | .116 | .035 | .204 | .112 | .034 | .194 | .108 | .033 |   |
| 4.0  | .217                  | .113 | .033 | .212 | .111 | .033 | .202                            | .107 | .032 | .193 | .104 | .031 | .185 | .100 | .031 |   |
| 5.0  | .204                  | .104 | .030 | .199 | .102 | .030 | .190                            | .099 | .029 | .182 | .096 | .029 | .175 | .093 | .028 |   |
| 6.0  | .191                  | .096 | .027 | .187 | .095 | .027 | .180                            | .092 | .027 | .172 | .089 | .026 | .165 | .087 | .026 |   |
| 7.0  | .180                  | .089 | .025 | .176 | .088 | .025 | .169                            | .086 | .025 | .163 | .083 | .024 | .157 | .081 | .024 |   |
| 8.0  | .170                  | .083 | .023 | .167 | .082 | .023 | .160                            | .080 | .023 | .154 | .078 | .023 | .149 | .076 | .022 |   |
| 9.0  | .160                  | .078 | .022 | .157 | .077 | .022 | .152                            | .075 | .021 | .146 | .073 | .021 | .141 | .072 | .021 |   |
| 10.0 | .152                  | .073 | .020 | .149 | .072 | .020 | .144                            | .071 | .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  | .208                  | .208 | .208 | .178 | .178 | .178 | .121                                       | .121 | .121 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .194                  | .174 | .157 | .166 | .150 | .135 | .114                                       | .103 | .093 | .065 | .060 | .054 | .021 | .019 | .018 |   |
| 2.0  | .184                  | .150 | .122 | .157 | .129 | .105 | .108                                       | .089 | .073 | .062 | .052 | .043 | .020 | .017 | .014 |   |
| 3.0  | .175                  | .132 | .098 | .150 | .114 | .085 | .103                                       | .079 | .060 | .059 | .046 | .035 | .019 | .015 | .011 |   |
| 4.0  | .167                  | .118 | .081 | .143 | .102 | .071 | .099                                       | .071 | .050 | .057 | .042 | .029 | .018 | .014 | .010 |   |
| 5.0  | .160                  | .108 | .069 | .137 | .093 | .060 | .095                                       | .065 | .043 | .055 | .038 | .025 | .018 | .012 | .008 |   |
| 6.0  | .153                  | .099 | .061 | .131 | .086 | .053 | .091                                       | .060 | .037 | .053 | .035 | .022 | .017 | .012 | .007 |   |
| 7.0  | .147                  | .092 | .054 | .126 | .080 | .047 | .087                                       | .056 | .033 | .051 | .033 | .020 | .016 | .011 | .007 |   |
| 8.0  | .141                  | .086 | .049 | .121 | .075 | .043 | .084                                       | .053 | .030 | .049 | .031 | .018 | .016 | .010 | .006 |   |
| 9.0  | .135                  | .081 | .045 | .116 | .071 | .039 | .081                                       | .050 | .028 | .047 | .029 | .017 | .015 | .010 | .006 |   |
| 10.0 | .130                  | .077 | .042 | .112 | .067 | .037 | .078                                       | .047 | .026 | .045 | .028 | .016 | .015 | .009 | .005 |   |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2025-10-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |       |                |      |                  |      |      |
|----------------------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME:                                                                            |                  |      |      |      | TYPE: |                |      | 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                                                                    | 19.4             | 20.7 | 19.7 | 20.9 | 21.2  | 11.4           | 12.7 | 11.7             | 12.9 | 13.2 |
| 3H                                                                               | 21.0             | 22.3 | 21.4 | 22.5 | 22.8  | 11.3           | 12.5 | 11.6             | 12.7 | 13.0 |
| 4H                                                                               | 21.2             | 22.4 | 21.6 | 22.7 | 23.0  | 11.2           | 12.4 | 11.6             | 12.6 | 12.9 |
| 6H                                                                               | 21.2             | 22.3 | 21.6 | 22.6 | 22.9  | 11.2           | 12.2 | 11.5             | 12.5 | 12.9 |
| 8H                                                                               | 21.2             | 22.2 | 21.6 | 22.5 | 22.9  | 11.2           | 12.2 | 11.5             | 12.5 | 12.8 |
| 12H                                                                              | 21.1             | 22.1 | 21.5 | 22.5 | 22.8  | 11.2           | 12.2 | 11.5             | 12.5 | 12.8 |
| 4H 2H                                                                            | 19.1             | 20.3 | 19.5 | 20.6 | 20.8  | 11.8           | 13.0 | 12.2             | 13.3 | 13.6 |
| 3H                                                                               | 20.9             | 21.9 | 21.3 | 22.2 | 22.5  | 11.7           | 12.7 | 12.1             | 13.1 | 13.4 |
| 4H                                                                               | 21.1             | 22.0 | 21.5 | 22.4 | 22.8  | 11.7           | 12.6 | 12.1             | 13.0 | 13.3 |
| 6H                                                                               | 21.2             | 21.9 | 21.6 | 22.3 | 22.7  | 11.7           | 12.5 | 12.1             | 12.9 | 13.3 |
| 8H                                                                               | 21.1             | 21.9 | 21.6 | 22.3 | 22.7  | 11.7           | 12.5 | 12.2             | 12.9 | 13.3 |
| 12H                                                                              | 21.1             | 21.8 | 21.6 | 22.2 | 22.6  | 11.8           | 12.4 | 12.2             | 12.9 | 13.3 |
| 8H 4H                                                                            | 21.0             | 21.7 | 21.4 | 22.1 | 22.6  | 12.0           | 12.7 | 12.4             | 13.1 | 13.5 |
| 6H                                                                               | 21.0             | 21.6 | 21.5 | 22.1 | 22.5  | 12.0           | 12.6 | 12.5             | 13.1 | 13.5 |
| 8H                                                                               | 21.0             | 21.5 | 21.5 | 22.0 | 22.5  | 12.1           | 12.6 | 12.6             | 13.1 | 13.6 |
| 12H                                                                              | 21.0             | 21.5 | 21.5 | 21.9 | 22.5  | 12.2           | 12.6 | 12.7             | 13.1 | 13.6 |
| 12H 4H                                                                           | 20.9             | 21.6 | 21.4 | 22.0 | 22.5  | 12.0           | 12.6 | 12.4             | 13.1 | 13.5 |
| 6H                                                                               | 21.0             | 21.5 | 21.5 | 22.0 | 22.5  | 12.0           | 12.6 | 12.5             | 13.0 | 13.5 |
| 8H                                                                               | 21.0             | 21.4 | 21.5 | 21.9 | 22.4  | 12.1           | 12.6 | 12.6             | 13.0 | 13.6 |
| Variations with the observer position at spacings:                               |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H                                                                         | + 0.5 / - 0.5    |      |      |      |       | + 2.3 / - 4.9  |      |                  |      |      |
| 1.5H                                                                             | + 1.1 / - 1.9    |      |      |      |       | + 2.0 / - 4.3  |      |                  |      |      |
| 2.0H                                                                             | + 2.9 / - 4.3    |      |      |      |       | + 4.8 / - 3.8  |      |                  |      |      |

CIE Pub.117, 45982 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 13.3)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

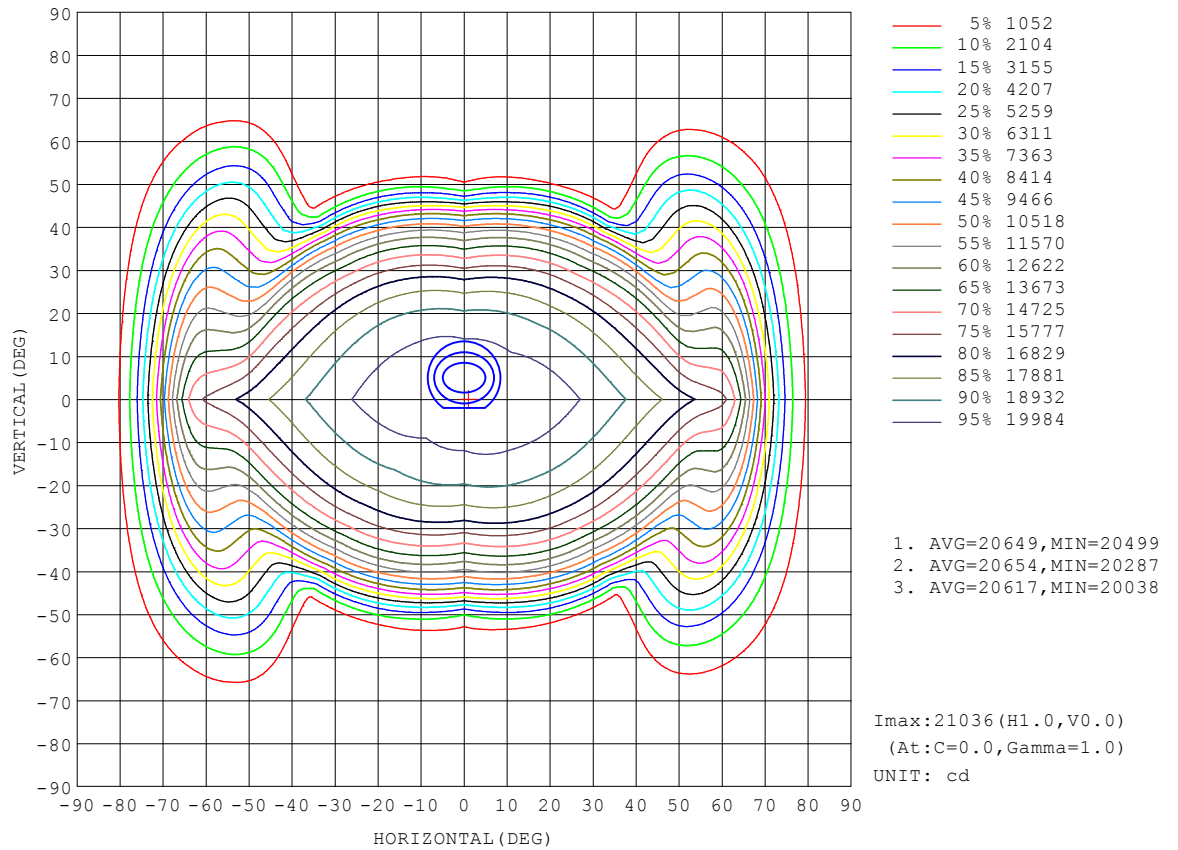
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 65                                                   | 55  | 49        | 65  | 55  | 49  | 63  | 54            | 49  | 43     |
| 0.80                             | 75                                                   | 65  | 59        | 74  | 65  | 59  | 72  | 64            | 58  | 52     |
| 1.00                             | 83                                                   | 73  | 67        | 82  | 73  | 67  | 79  | 74            | 66  | 60     |
| 1.25                             | 89                                                   | 80  | 75        | 88  | 80  | 74  | 85  | 78            | 73  | 67     |
| 1.50                             | 94                                                   | 86  | 80        | 92  | 85  | 79  | 89  | 83            | 78  | 71     |
| 2.00                             | 99                                                   | 92  | 87        | 98  | 91  | 86  | 94  | 89            | 84  | 77     |
| 2.50                             | 102                                                  | 96  | 91        | 100 | 95  | 90  | 97  | 92            | 88  | 80     |
| 3.00                             | 105                                                  | 100 | 95        | 103 | 98  | 94  | 99  | 95            | 92  | 83     |
| 4.00                             | 109                                                  | 104 | 100       | 106 | 102 | 99  | 102 | 98            | 96  | 87     |
| 5.00                             | 110                                                  | 107 | 103       | 108 | 105 | 102 | 103 | 101           | 98  | 89     |
| 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:Jason  
Test Date:2025-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

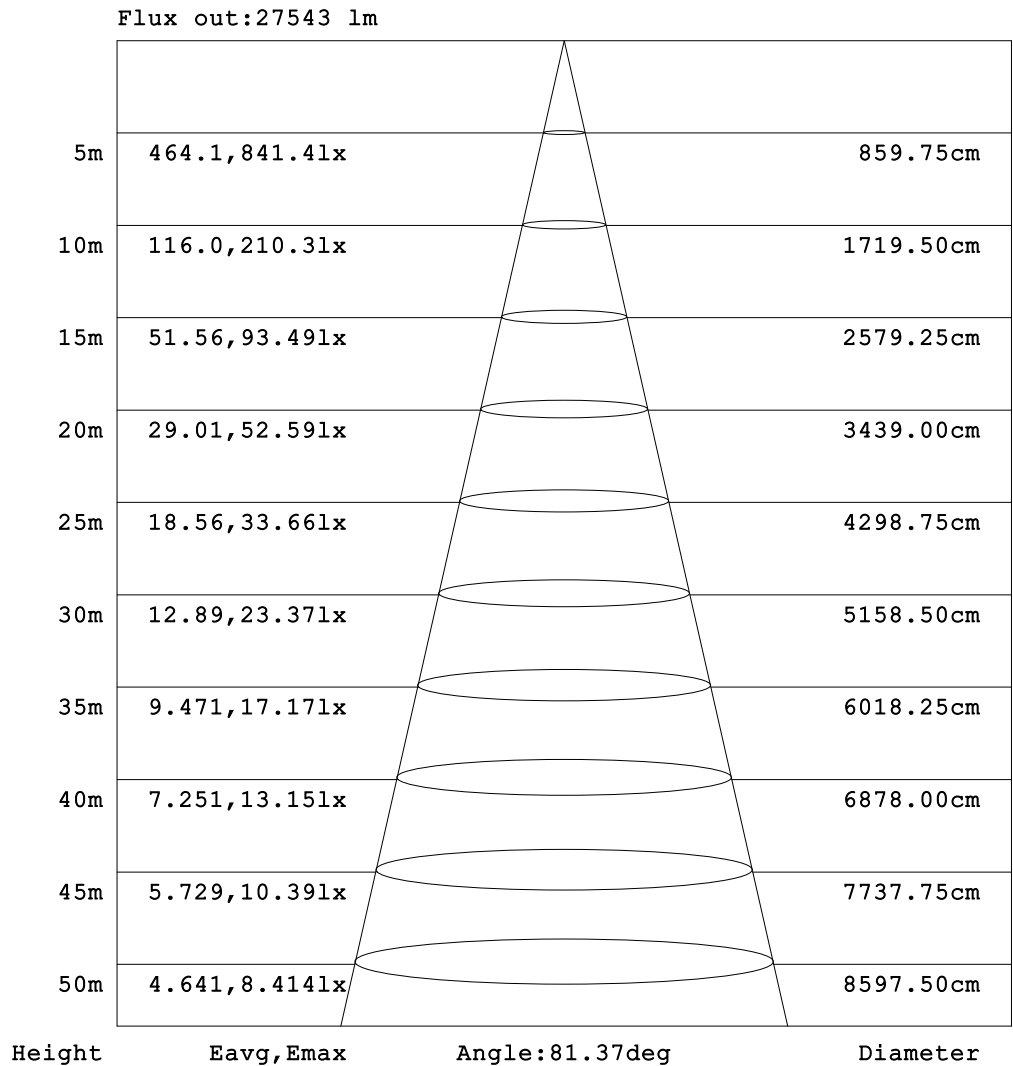


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2025-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks:

AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



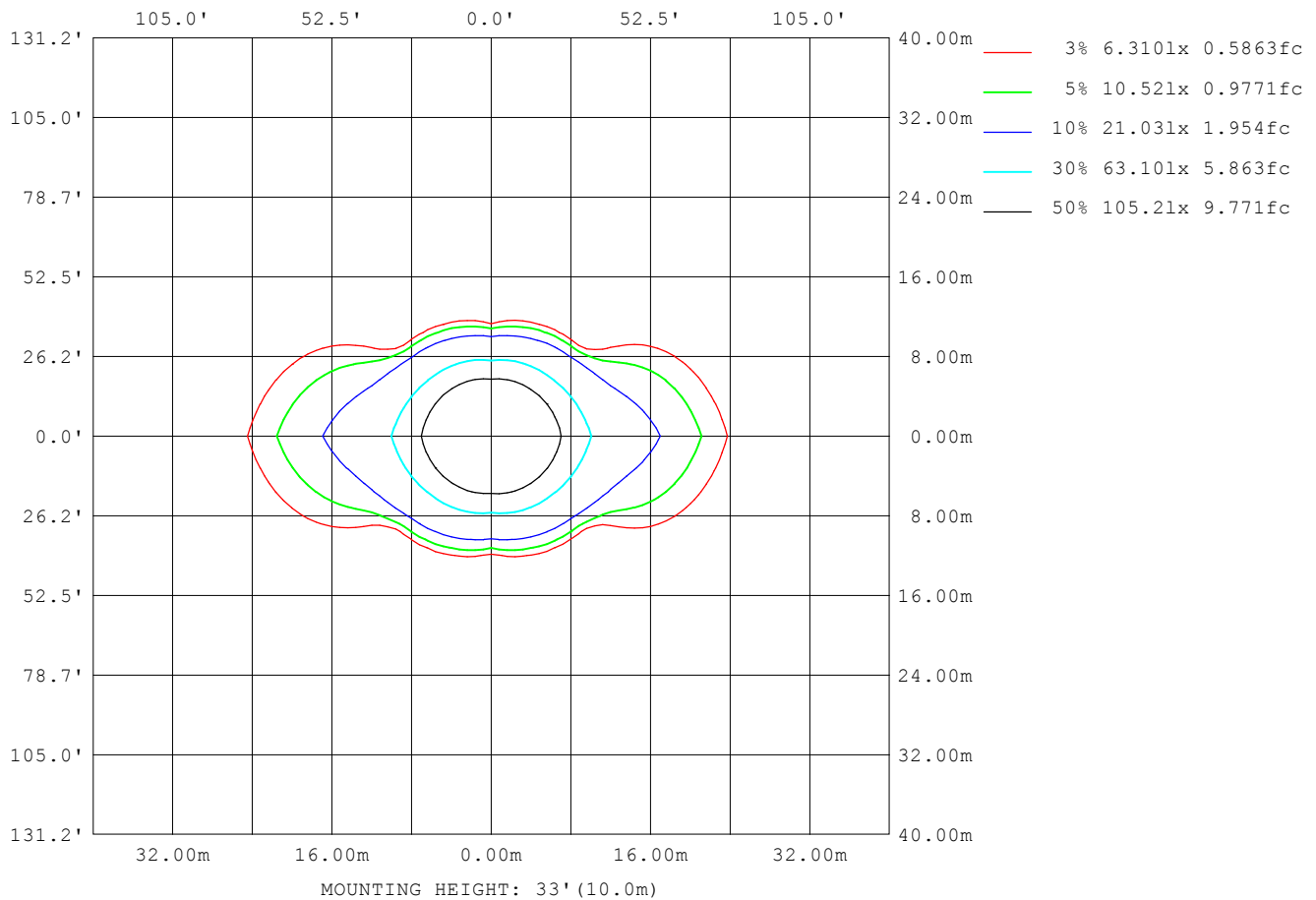
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | 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:Jason  
Test Date:2025-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

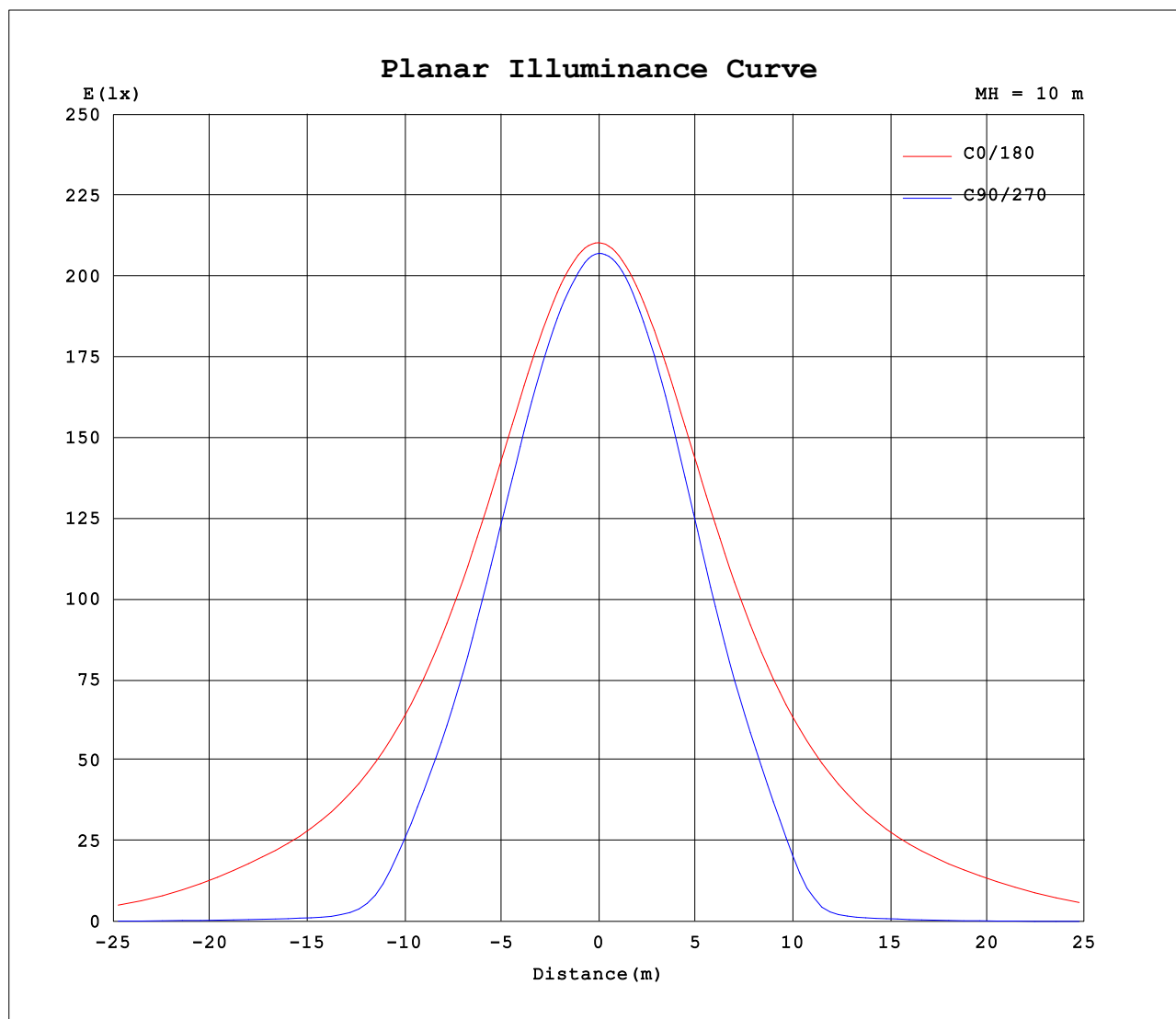
| AvgL             | cd/m2  |
|------------------|--------|
| L_0~180 (65) av  | 321989 |
| L_0~180 (75) av  | 132346 |
| L_0~180 (85) av  | 33194  |
| L_90~270 (65) av | 9121   |
| L_90~270 (75) av | 7319   |
| L_90~270 (85) av | 12226  |
| L_45 (65) av     | 12251  |
| L_45 (75) av     | 10498  |
| L_45 (85) av     | 14439  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2025-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |  |  |  |  |       |  |  |                  |  |
|----------------------------------------------------------------------------------|--|--|--|--|-------|--|--|------------------|--|
| Test:U:218.64V I:1.1569A P:245.65W PF:0.9712 Freq:50.47Hz Lamp Flux:45981.8x1 lm |  |  |  |  |       |  |  |                  |  |
| NAME:                                                                            |  |  |  |  | TYPE: |  |  | WEIGHT:          |  |
| SPEC.:                                                                           |  |  |  |  | DIM.: |  |  | SERIAL No.:      |  |
| MFR.: EVERFINE                                                                   |  |  |  |  | SUR.: |  |  | Shielding Angle: |  |

Table--1

UNIT: ×10cd

| C (DEG)<br>γ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 2103 | 2085 | 2070 | 2058 | 2103 | 2085 | 2070 | 2058 |  |  |  |  |  |  |  |  |  |  |
| 5                  | 2101 | 2073 | 2051 | 2047 | 2099 | 2080 | 2067 | 2056 |  |  |  |  |  |  |  |  |  |  |
| 10                 | 2090 | 2045 | 2015 | 2017 | 2086 | 2063 | 2038 | 2040 |  |  |  |  |  |  |  |  |  |  |
| 15                 | 2071 | 2008 | 1965 | 1980 | 2067 | 2024 | 1987 | 2001 |  |  |  |  |  |  |  |  |  |  |
| 20                 | 2046 | 1957 | 1887 | 1929 | 2041 | 1972 | 1905 | 1951 |  |  |  |  |  |  |  |  |  |  |
| 25                 | 2014 | 1886 | 1775 | 1859 | 2007 | 1899 | 1777 | 1879 |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1973 | 1785 | 1615 | 1761 | 1965 | 1787 | 1595 | 1768 |  |  |  |  |  |  |  |  |  |  |
| 35                 | 1923 | 1643 | 1398 | 1624 | 1914 | 1627 | 1362 | 1611 |  |  |  |  |  |  |  |  |  |  |
| 40                 | 1865 | 1435 | 1128 | 1424 | 1856 | 1395 | 1067 | 1384 |  |  |  |  |  |  |  |  |  |  |
| 45                 | 1802 | 1128 | 726  | 1121 | 1793 | 1066 | 578  | 1065 |  |  |  |  |  |  |  |  |  |  |
| 50                 | 1734 | 640  | 215  | 640  | 1726 | 467  | 116  | 476  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 1666 | 103  | 75.7 | 124  | 1655 | 71.3 | 57.4 | 70.6 |  |  |  |  |  |  |  |  |  |  |
| 60                 | 1607 | 69.3 | 61.4 | 67.5 | 1591 | 54.1 | 41.3 | 55.0 |  |  |  |  |  |  |  |  |  |  |
| 65                 | 1308 | 60.0 | 48.8 | 58.1 | 1414 | 44.1 | 28.3 | 44.8 |  |  |  |  |  |  |  |  |  |  |
| 70                 | 738  | 46.7 | 36.8 | 45.8 | 913  | 28.1 | 16.7 | 29.1 |  |  |  |  |  |  |  |  |  |  |
| 75                 | 290  | 36.6 | 27.8 | 35.6 | 395  | 17.9 | 10.1 | 18.5 |  |  |  |  |  |  |  |  |  |  |
| 80                 | 92.5 | 26.6 | 22.6 | 25.3 | 113  | 7.74 | 6.26 | 8.13 |  |  |  |  |  |  |  |  |  |  |
| 85                 | 33.0 | 21.2 | 17.9 | 20.1 | 24.9 | 4.30 | 3.42 | 4.74 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 22.9 | 18.5 | 15.0 | 17.5 | 5.35 | 3.26 | 2.40 | 3.63 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 22.9 | 18.3 | 14.7 | 17.1 | 6.07 | 4.13 | 3.09 | 4.64 |  |  |  |  |  |  |  |  |  |  |
| 100                | 22.7 | 18.5 | 14.9 | 17.1 | 7.29 | 5.20 | 4.01 | 5.88 |  |  |  |  |  |  |  |  |  |  |
| 105                | 22.6 | 19.0 | 15.4 | 17.4 | 8.63 | 6.45 | 5.16 | 7.29 |  |  |  |  |  |  |  |  |  |  |
| 110                | 22.5 | 19.7 | 16.2 | 18.0 | 10.0 | 7.85 | 6.55 | 8.84 |  |  |  |  |  |  |  |  |  |  |
| 115                | 22.7 | 20.6 | 17.2 | 18.7 | 11.4 | 9.38 | 8.12 | 10.5 |  |  |  |  |  |  |  |  |  |  |
| 120                | 23.1 | 21.6 | 18.4 | 19.6 | 12.9 | 11.0 | 9.83 | 12.2 |  |  |  |  |  |  |  |  |  |  |
| 125                | 23.6 | 22.8 | 19.6 | 20.6 | 14.4 | 12.6 | 11.6 | 13.9 |  |  |  |  |  |  |  |  |  |  |
| 130                | 24.2 | 23.8 | 21.0 | 21.5 | 15.8 | 14.1 | 13.5 | 15.5 |  |  |  |  |  |  |  |  |  |  |
| 135                | 24.7 | 24.8 | 22.2 | 22.2 | 17.1 | 15.5 | 15.2 | 17.0 |  |  |  |  |  |  |  |  |  |  |
| 140                | 25.4 | 25.7 | 23.2 | 22.8 | 18.4 | 16.6 | 16.8 | 18.4 |  |  |  |  |  |  |  |  |  |  |
| 145                | 26.0 | 26.4 | 24.1 | 23.4 | 19.7 | 17.8 | 18.2 | 19.8 |  |  |  |  |  |  |  |  |  |  |
| 150                | 26.9 | 27.0 | 24.7 | 24.1 | 21.1 | 19.2 | 19.5 | 20.9 |  |  |  |  |  |  |  |  |  |  |
| 155                | 27.8 | 27.6 | 25.5 | 25.3 | 22.7 | 21.0 | 21.0 | 22.3 |  |  |  |  |  |  |  |  |  |  |
| 160                | 28.8 | 28.4 | 26.5 | 26.5 | 24.5 | 23.0 | 22.7 | 23.7 |  |  |  |  |  |  |  |  |  |  |
| 165                | 29.6 | 29.0 | 27.6 | 27.7 | 26.1 | 24.9 | 24.6 | 25.3 |  |  |  |  |  |  |  |  |  |  |
| 170                | 30.2 | 29.5 | 28.4 | 28.5 | 27.6 | 26.7 | 26.5 | 26.7 |  |  |  |  |  |  |  |  |  |  |
| 175                | 30.4 | 29.6 | 28.7 | 28.9 | 29.1 | 28.1 | 27.9 | 28.0 |  |  |  |  |  |  |  |  |  |  |
| 180                | 30.1 | 29.2 | 28.7 | 28.9 | 30.3 | 29.0 | 28.9 | 28.8 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2025-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: