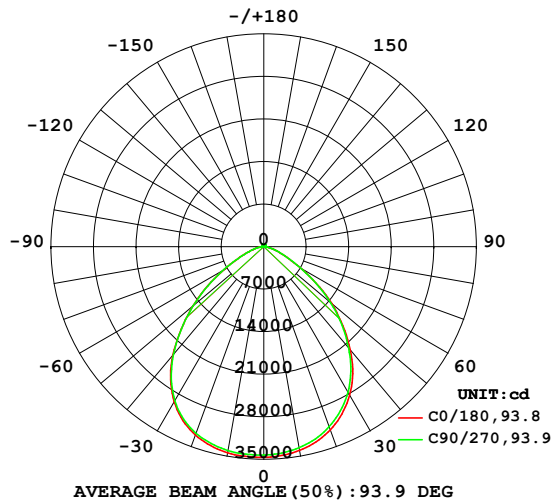


## LUMINAIRE PHOTOMETRIC TEST REPORT

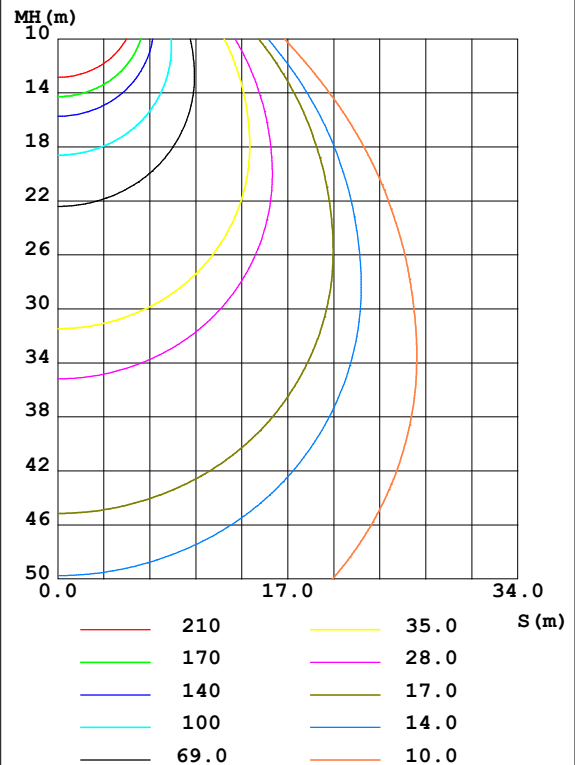
|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 150.82 lm/W |        |                    |          |
|------------------|---------|-----------------------------------|--------|--------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 34667  | S/MH (C0/180)      | 1.25     |
| NOMINAL POWER(W) | 500W    | LOR(%)                            | 100.0  | S/MH (C90/270)     | 1.26     |
| RATED VOLTAGE(V) | 220     | TOTAL FLUX(lm)                    | 75606  | η UP,DN (C0-180)   | 1.2,47.7 |
| NOMINAL FLUX(lm) | 75605.6 | CIE CLASS                         | DIRECT | η UP,DN (C180-360) | 1.1,50.1 |
| LAMPS INSIDE     | 1       | η up (%)                          | 2.2    | CIBSE SHR NOM      | 1.25     |
| TEST VOLTAGE(V)  | 220     | η down (%)                        | 97.8   | CIBSE SHR MAX      | 1.30     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                                       | C90   | C180  | C270  |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|------------------------------------------|-------|-------|-------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 3402                                     | 3358  | 3444  | 3406  |  |  |  |  | 0- 10    | 3270        | 3270         | 4.33, 4.33 |
| 20       | 3206                                     | 3152  | 3296  | 3266  |  |  |  |  | 10- 20   | 9410        | 12681        | 16.8, 16.8 |
| 30       | 2823                                     | 2769  | 2949  | 2927  |  |  |  |  | 20- 30   | 14145       | 26826        | 35.5, 35.5 |
| 40       | 2214                                     | 2171  | 2327  | 2312  |  |  |  |  | 30- 40   | 16152       | 42978        | 56.8, 56.8 |
| 50       | 1463                                     | 1442  | 1526  | 1520  |  |  |  |  | 40- 50   | 14432       | 57410        | 75.9, 75.9 |
| 60       | 683.8                                    | 683.1 | 752.3 | 756.4 |  |  |  |  | 50- 60   | 9731        | 67141        | 88.8, 88.8 |
| 70       | 258.3                                    | 261.3 | 287.8 | 287.7 |  |  |  |  | 60- 70   | 4579        | 71719        | 94.9, 94.9 |
| 80       | 78.07                                    | 79.17 | 87.27 | 84.59 |  |  |  |  | 70- 80   | 1762        | 73482        | 97.2, 97.2 |
| 90       | 23.67                                    | 23.51 | 13.56 | 13.39 |  |  |  |  | 80- 90   | 432.4       | 73914        | 97.8, 97.8 |
| 100      | 21.19                                    | 21.09 | 15.92 | 15.69 |  |  |  |  | 90-100   | 199.6       | 74114        | 98, 98     |
| 110      | 21.83                                    | 21.76 | 19.67 | 19.34 |  |  |  |  | 100-110  | 205.0       | 74319        | 98.3, 98.3 |
| 120      | 24.76                                    | 24.68 | 24.61 | 24.14 |  |  |  |  | 110-120  | 223.0       | 74542        | 98.6, 98.6 |
| 130      | 28.87                                    | 28.79 | 29.89 | 29.29 |  |  |  |  | 120-130  | 240.6       | 74782        | 98.9, 98.9 |
| 140      | 33.19                                    | 33.14 | 34.80 | 34.18 |  |  |  |  | 130-140  | 243.7       | 75026        | 99.2, 99.2 |
| 150      | 37.49                                    | 37.50 | 39.39 | 38.78 |  |  |  |  | 140-150  | 226.3       | 75252        | 99.5, 99.5 |
| 160      | 41.57                                    | 41.63 | 43.27 | 42.64 |  |  |  |  | 150-160  | 186.0       | 75438        | 99.8, 99.8 |
| 170      | 44.95                                    | 45.03 | 45.72 | 45.12 |  |  |  |  | 160-170  | 123.9       | 75562        | 99.9, 99.9 |
| 180      | 46.19                                    | 46.26 | 46.57 | 45.94 |  |  |  |  | 170-180  | 43.63       | 75606        | 100, 100   |
| DEG      | LUMINOUS INTENSITY: $\times 10\text{cd}$ |       |       |       |  |  |  |  |          | UNIT: lm    |              |            |

Conical surface Flux(90deg): 50622 lm

%lum = 67.0%

%lamp = 67.0%

Conical surface Flux(120deg): 67141 lm

%lum = 88.8%

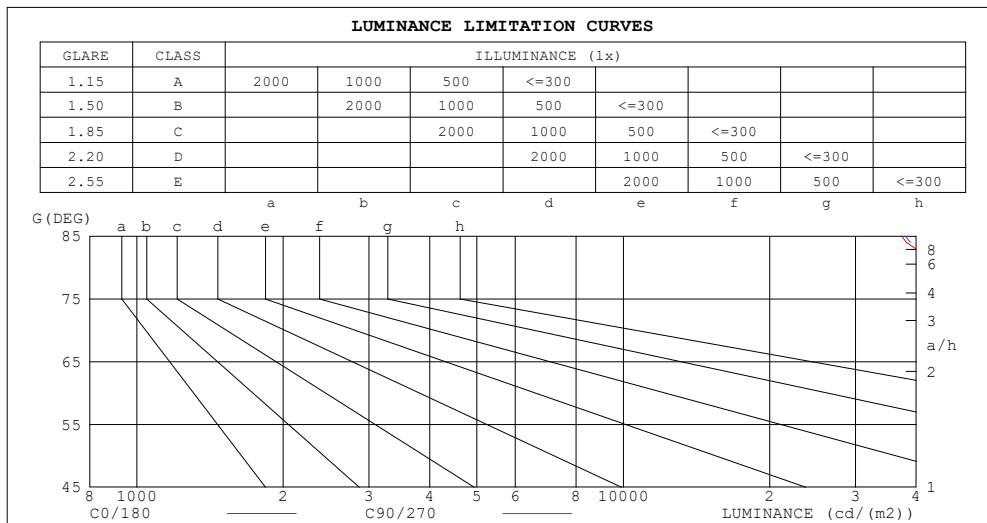
%lamp = 88.8%

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.250m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 37343  | 38047   |
| 80                | 44959  | 45594   |
| 75                | 58982  | 60113   |
| 70                | 75512  | 76384   |
| 65                | 99682  | 100908  |
| 60                | 136763 | 136614  |
| 55                | 184395 | 181930  |
| 50                | 227675 | 224335  |
| 45                | 261032 | 257040  |

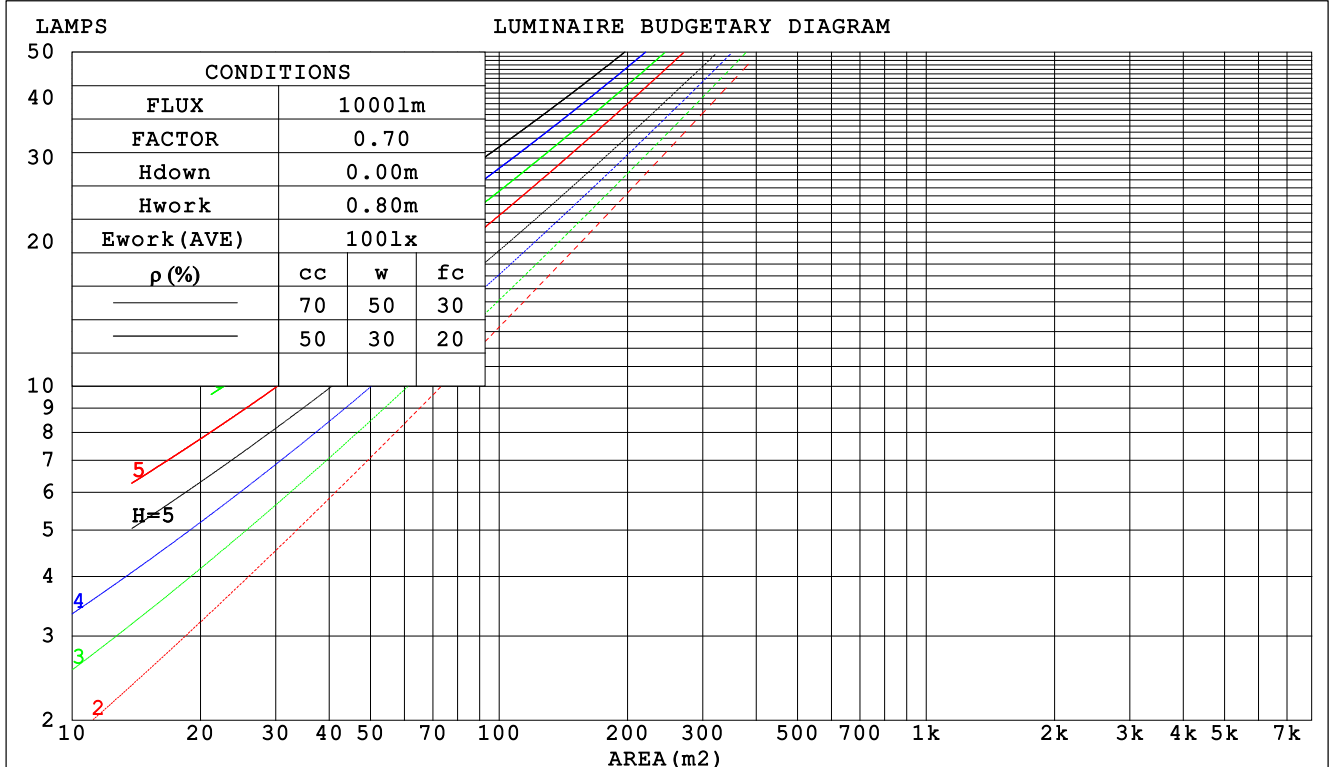
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 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                   | 1.19                            | 1.19 | 1.19 | 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 | .80 | .77 | .75 |
| 3.0                   | .85                             | .78  | .72  | .83  | .77  | .72  | .80  | .75  | .70  | .77  | .73  | .69  | .75 | .71 | .67 | .65 |
| 4.0                   | .76                             | .69  | .63  | .75  | .68  | .62  | .72  | .66  | .61  | .70  | .65  | .60  | .68 | .63 | .59 | .57 |
| 5.0                   | .69                             | .61  | .55  | .68  | .60  | .55  | .66  | .59  | .54  | .64  | .58  | .53  | .62 | .57 | .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                   | .48                             | .41  | .36  | .48  | .41  | .36  | .47  | .40  | .35  | .45  | .39  | .35  | .44 | .39 | .35 | .33 |
| 10.0                  | .45                             | .37  | .33  | .44  | .37  | .32  | .43  | .37  | .32  | .42  | .36  | .32  | .41 | .36 | .32 | .30 |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                              |  |  |  |       |  |  |                  |  |  |
|------------------------------------------------------------------------------|--|--|--|-------|--|--|------------------|--|--|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 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  | .251                  | .143 | .045 | .243 | .139 | .044 | .229                             | .131 | .042 | .216 | .125 | .040 | .204 | .118 | .038 |   |  |
| 2.0  | .243                  | .133 | .041 | .236 | .130 | .040 | .224                             | .124 | .039 | .212 | .119 | .037 | .202 | .114 | .036 |   |  |
| 3.0  | .230                  | .122 | .037 | .224 | .120 | .036 | .213                             | .116 | .035 | .203 | .111 | .034 | .194 | .107 | .033 |   |  |
| 4.0  | .217                  | .113 | .033 | .211 | .111 | .033 | .202                             | .107 | .032 | .193 | .103 | .031 | .184 | .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 | .090 | .026 | .166 | .087 | .026 |   |  |
| 7.0  | .180                  | .089 | .025 | .177 | .088 | .025 | .170                             | .086 | .025 | .163 | .084 | .024 | .157 | .082 | .024 |   |  |
| 8.0  | .170                  | .083 | .023 | .167 | .082 | .023 | .160                             | .080 | .023 | .155 | .078 | .023 | .149 | .076 | .022 |   |  |
| 9.0  | .161                  | .078 | .022 | .158 | .077 | .022 | .152                             | .075 | .021 | .147 | .073 | .021 | .142 | .072 | .021 |   |  |
| 10.0 | .152                  | .073 | .020 | .149 | .072 | .020 | .144                             | .071 | .020 | .139 | .069 | .020 | .135 | .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 | .177 | .177 | .177 | .121                                       | .121 | .121 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .193                  | .174 | .156 | .165 | .149 | .134 | .113                                       | .103 | .093 | .065 | .059 | .054 | .021 | .019 | .017 |   |
| 2.0  | .183                  | .149 | .121 | .157 | .129 | .105 | .107                                       | .089 | .073 | .062 | .052 | .043 | .020 | .017 | .014 |   |
| 3.0  | .174                  | .131 | .097 | .149 | .113 | .084 | .103                                       | .079 | .059 | .059 | .046 | .035 | .019 | .015 | .011 |   |
| 4.0  | .166                  | .118 | .081 | .143 | .102 | .070 | .098                                       | .071 | .049 | .057 | .042 | .029 | .018 | .014 | .010 |   |
| 5.0  | .159                  | .107 | .069 | .137 | .093 | .060 | .094                                       | .065 | .042 | .055 | .038 | .025 | .018 | .012 | .008 |   |
| 6.0  | .152                  | .099 | .060 | .131 | .085 | .052 | .090                                       | .060 | .037 | .052 | .035 | .022 | .017 | .011 | .007 |   |
| 7.0  | .146                  | .092 | .053 | .126 | .079 | .047 | .087                                       | .056 | .033 | .050 | .033 | .020 | .016 | .011 | .006 |   |
| 8.0  | .140                  | .086 | .048 | .121 | .074 | .042 | .083                                       | .052 | .030 | .049 | .031 | .018 | .016 | .010 | .006 |   |
| 9.0  | .135                  | .081 | .044 | .116 | .070 | .039 | .080                                       | .049 | .028 | .047 | .029 | .016 | .015 | .010 | .005 |   |
| 10.0 | .129                  | .077 | .041 | .112 | .067 | .036 | .077                                       | .047 | .026 | .045 | .028 | .015 | .015 | .009 | .005 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2024-09-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.250m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|                                                                              |                  |      |      |      |       |                |      |                  |      |      |
|------------------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 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                                                                | 15.1             | 16.5 | 15.4 | 16.7 | 16.9  | 15.1           | 16.4 | 15.4             | 16.6 | 16.9 |
| 3H                                                                           | 15.4             | 16.6 | 15.8 | 16.9 | 17.2  | 15.4           | 16.6 | 15.7             | 16.9 | 17.1 |
| 4H                                                                           | 15.5             | 16.7 | 15.8 | 16.9 | 17.2  | 15.5           | 16.6 | 15.8             | 16.9 | 17.2 |
| 6H                                                                           | 15.5             | 16.6 | 15.9 | 16.9 | 17.2  | 15.5           | 16.6 | 15.9             | 16.9 | 17.2 |
| 8H                                                                           | 15.5             | 16.5 | 15.9 | 16.8 | 17.2  | 15.5           | 16.5 | 15.8             | 16.8 | 17.1 |
| 12H                                                                          | 15.5             | 16.5 | 15.8 | 16.8 | 17.1  | 15.5           | 16.4 | 15.8             | 16.8 | 17.1 |
| 4H 2H                                                                        | 15.3             | 16.4 | 15.6 | 16.7 | 17.0  | 15.2           | 16.4 | 15.6             | 16.6 | 16.9 |
| 3H                                                                           | 15.7             | 16.7 | 16.1 | 17.0 | 17.3  | 15.7           | 16.6 | 16.0             | 17.0 | 17.3 |
| 4H                                                                           | 15.8             | 16.7 | 16.2 | 17.1 | 17.4  | 15.8           | 16.7 | 16.2             | 17.0 | 17.4 |
| 6H                                                                           | 15.9             | 16.7 | 16.3 | 17.0 | 17.5  | 15.9           | 16.7 | 16.3             | 17.0 | 17.4 |
| 8H                                                                           | 15.9             | 16.6 | 16.3 | 17.0 | 17.4  | 15.9           | 16.6 | 16.3             | 17.0 | 17.4 |
| 12H                                                                          | 15.9             | 16.5 | 16.3 | 17.0 | 17.4  | 15.9           | 16.5 | 16.3             | 17.0 | 17.4 |
| 8H 4H                                                                        | 15.8             | 16.5 | 16.2 | 16.9 | 17.4  | 15.8           | 16.5 | 16.2             | 16.9 | 17.3 |
| 6H                                                                           | 15.9             | 16.5 | 16.4 | 16.9 | 17.4  | 15.9           | 16.5 | 16.4             | 16.9 | 17.4 |
| 8H                                                                           | 16.0             | 16.5 | 16.4 | 16.9 | 17.4  | 15.9           | 16.5 | 16.4             | 16.9 | 17.4 |
| 12H                                                                          | 16.0             | 16.4 | 16.5 | 16.9 | 17.4  | 16.0           | 16.4 | 16.5             | 16.9 | 17.4 |
| 12H 4H                                                                       | 15.8             | 16.4 | 16.2 | 16.8 | 17.3  | 15.7           | 16.4 | 16.2             | 16.8 | 17.3 |
| 6H                                                                           | 15.9             | 16.4 | 16.4 | 16.9 | 17.4  | 15.9           | 16.4 | 16.4             | 16.9 | 17.4 |
| 8H                                                                           | 15.9             | 16.4 | 16.5 | 16.9 | 17.4  | 15.9           | 16.4 | 16.4             | 16.9 | 17.4 |
| Variations with the observer position at spacings:                           |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H                                                                     | + 0.6 / - 0.8    |      |      |      |       | + 0.7 / - 0.8  |      |                  |      |      |
| 1.5H                                                                         | + 0.3 / - 0.4    |      |      |      |       | + 0.3 / - 0.4  |      |                  |      |      |
| 2.0H                                                                         | + 1.5 / - 1.8    |      |      |      |       | + 1.4 / - 1.8  |      |                  |      |      |

CIE Pub.117, 75606 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 15.0)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |

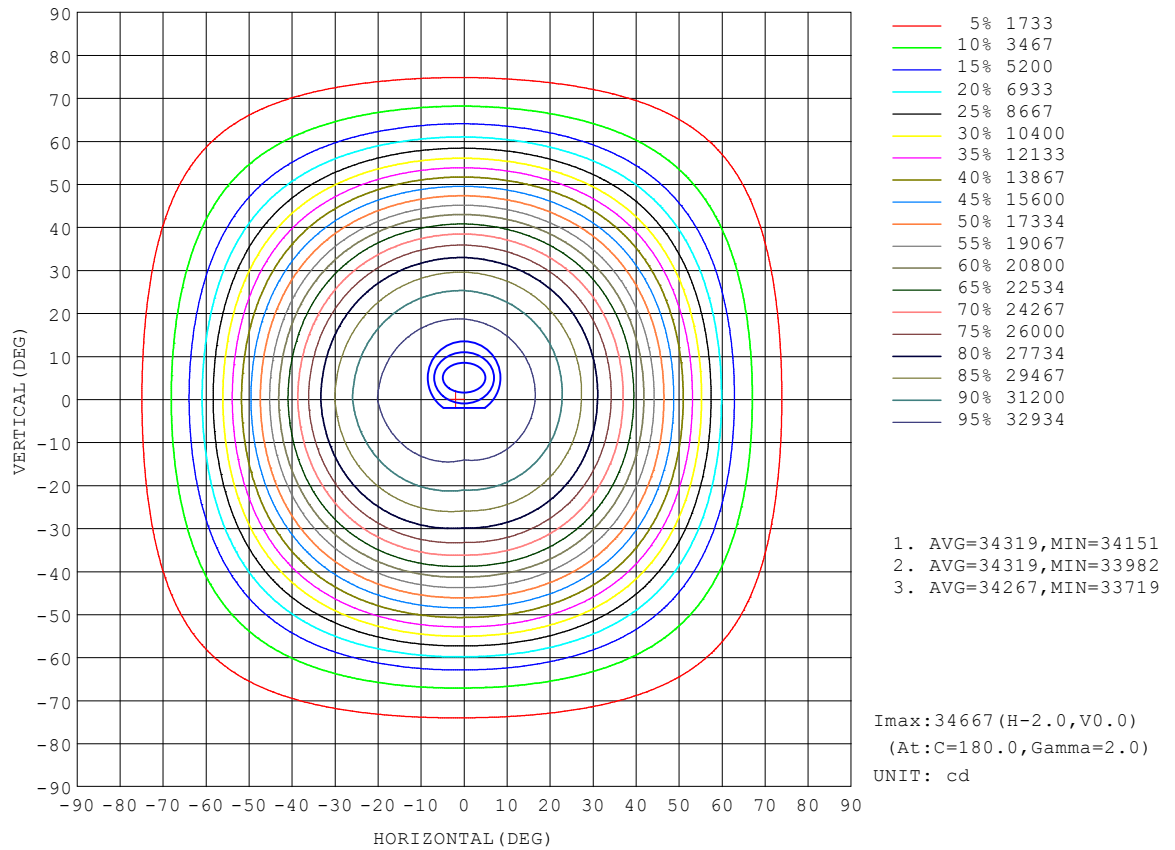
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 64                                                   | 54  | 48        | 63  | 54  | 48  | 62  | 53            | 47  | 42     |
| 0.80                             | 74                                                   | 64  | 58        | 73  | 64  | 58  | 72  | 63            | 57  | 51     |
| 1.00                             | 83                                                   | 73  | 67        | 81  | 73  | 67  | 79  | 73            | 66  | 60     |
| 1.25                             | 89                                                   | 81  | 75        | 88  | 80  | 74  | 85  | 78            | 73  | 67     |
| 1.50                             | 94                                                   | 86  | 80        | 92  | 85  | 79  | 89  | 83            | 78  | 71     |
| 2.00                             | 100                                                  | 93  | 87        | 98  | 91  | 86  | 94  | 89            | 85  | 77     |
| 2.50                             | 103                                                  | 96  | 91        | 101 | 95  | 90  | 97  | 92            | 88  | 80     |
| 3.00                             | 105                                                  | 100 | 95        | 103 | 98  | 94  | 99  | 95            | 92  | 83     |
| 4.00                             | 108                                                  | 104 | 100       | 106 | 102 | 99  | 102 | 98            | 96  | 87     |
| 5.00                             | 110                                                  | 106 | 103       | 108 | 104 | 101 | 103 | 100           | 98  | 89     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |

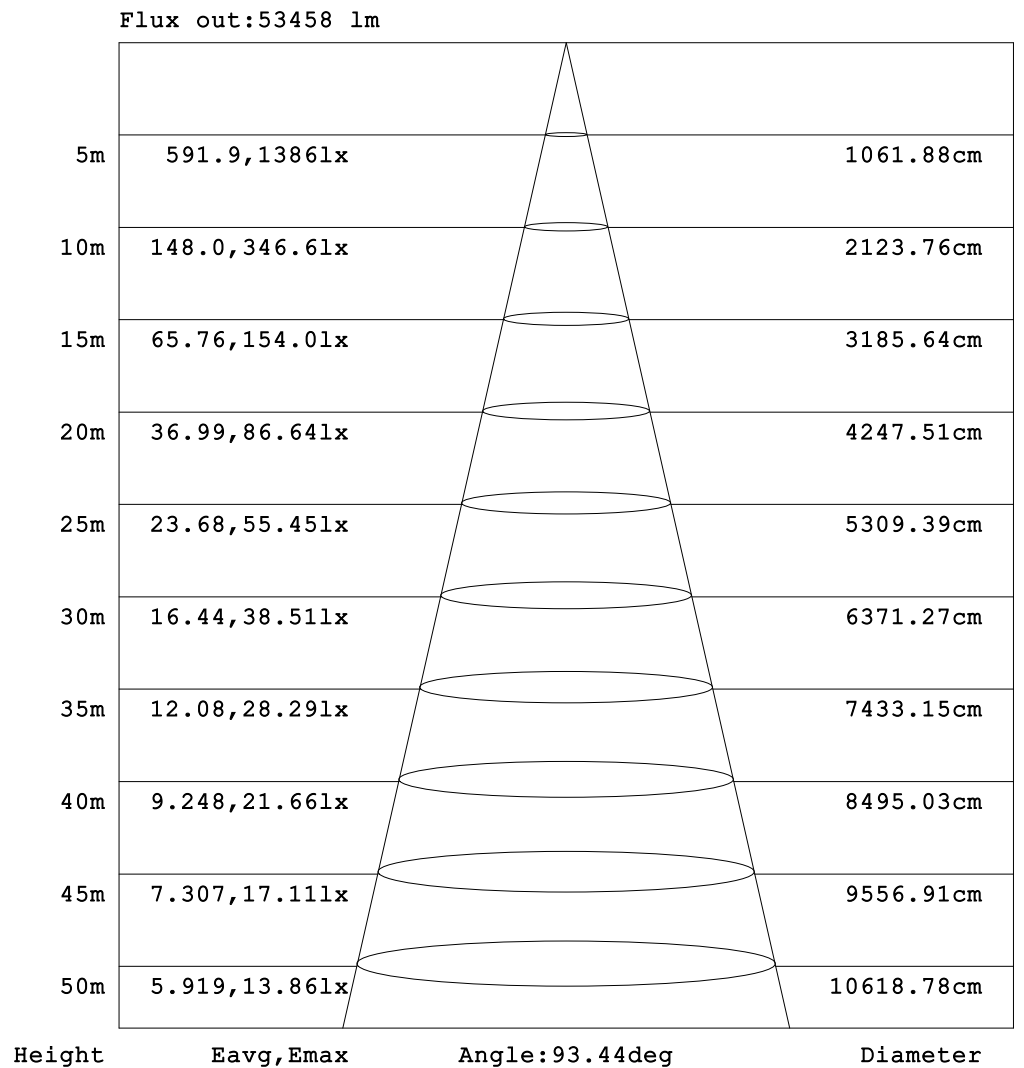


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |



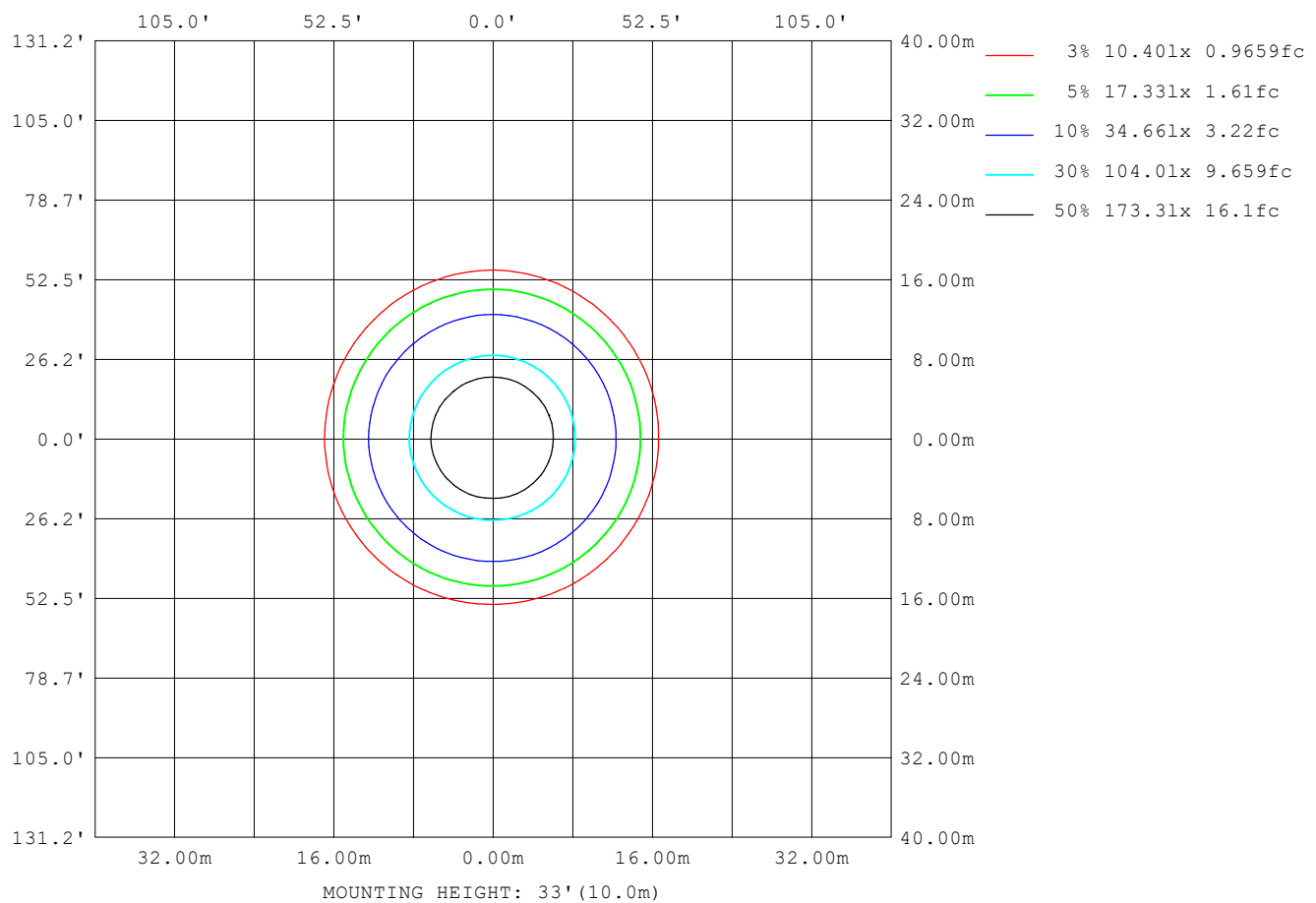
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.250m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |

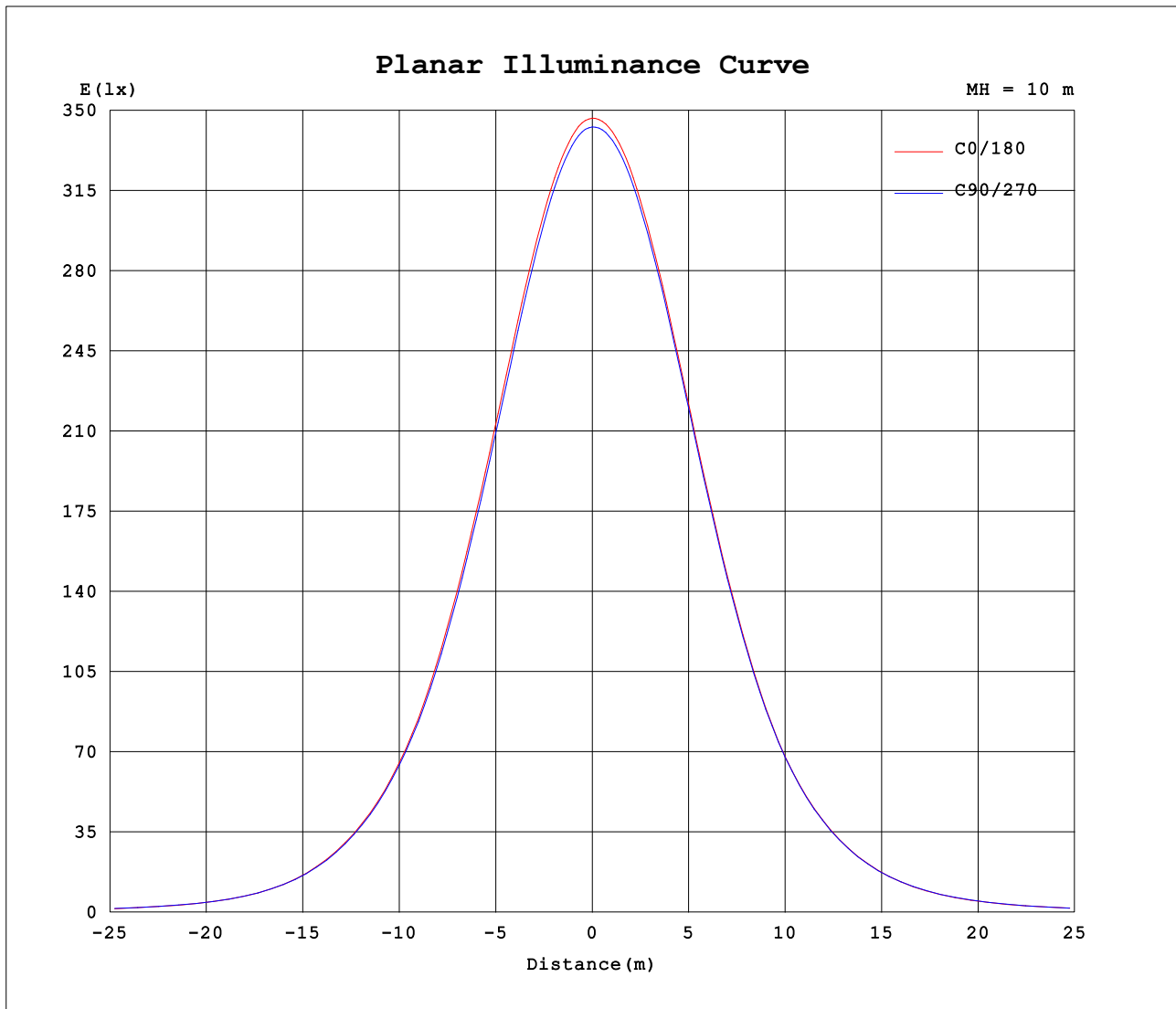
| AvgL             | cd/m2  |
|------------------|--------|
| L_0~180 (65) av  | 105485 |
| L_0~180 (75) av  | 62680  |
| L_0~180 (85) av  | 39285  |
| L_90~270 (65) av | 106505 |
| L_90~270 (75) av | 62817  |
| L_90~270 (85) av | 38589  |
| L_45 (65) av     | 106485 |
| L_45 (75) av     | 62997  |
| L_45 (85) av     | 38972  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2024-09-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 9.250m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                              |       |                  |
|------------------------------------------------------------------------------|-------|------------------|
| Test:U:217.9V I:2.390A P:501.3W PF:0.963 Freq:49.99Hz Lamp Flux:75605.6x1 lm |       |                  |
| NAME:                                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                       | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                               | SUR.: | Shielding Angle: |

Table--1

UNIT: ×10cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 3466 | 3428 | 3466 | 3428 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 3449 | 3409 | 3465 | 3426 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 3402 | 3358 | 3444 | 3406 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 3325 | 3276 | 3388 | 3353 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 3206 | 3152 | 3296 | 3266 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 3039 | 2983 | 3154 | 3130 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 2823 | 2769 | 2949 | 2927 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 2552 | 2501 | 2675 | 2654 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 2214 | 2171 | 2327 | 2312 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 1846 | 1818 | 1925 | 1917 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 1463 | 1442 | 1526 | 1520 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 1058 | 1044 | 1126 | 1121 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 684  | 683  | 752  | 756  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 421  | 426  | 470  | 474  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 258  | 261  | 288  | 288  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 153  | 156  | 172  | 170  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 78.1 | 79.2 | 87.3 | 84.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 32.5 | 33.2 | 35.9 | 34.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 23.7 | 23.5 | 13.6 | 13.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 22.0 | 21.9 | 14.6 | 14.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 21.2 | 21.1 | 15.9 | 15.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 21.2 | 21.1 | 17.6 | 17.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 21.8 | 21.8 | 19.7 | 19.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 23.1 | 23.0 | 22.0 | 21.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 24.8 | 24.7 | 24.6 | 24.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 26.7 | 26.7 | 27.3 | 26.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 28.9 | 28.8 | 29.9 | 29.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 31.0 | 30.9 | 32.4 | 31.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 33.2 | 33.1 | 34.8 | 34.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 35.4 | 35.3 | 37.2 | 36.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 37.5 | 37.5 | 39.4 | 38.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 39.6 | 39.7 | 41.3 | 40.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 41.6 | 41.6 | 43.3 | 42.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 43.5 | 43.6 | 44.6 | 44.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 45.0 | 45.0 | 45.7 | 45.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 45.8 | 45.9 | 46.4 | 45.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 46.2 | 46.3 | 46.6 | 45.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2024-09-06

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.250m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

| G/C   | 0.0   | 90.0  | 180.0 | 270.0 |
|-------|-------|-------|-------|-------|
| 0.0   | 34658 | 34278 | 34658 | 34278 |
| 3.0   | 34594 | 34199 | 34666 | 34288 |
| 6.0   | 34425 | 34009 | 34629 | 34246 |
| 9.0   | 34139 | 33705 | 34507 | 34126 |
| 12.0  | 33752 | 33292 | 34260 | 33889 |
| 15.0  | 33246 | 32756 | 33883 | 33526 |
| 18.0  | 32592 | 32071 | 33380 | 33050 |
| 21.0  | 31770 | 31226 | 32727 | 32437 |
| 24.0  | 30769 | 30206 | 31874 | 31615 |
| 27.0  | 29589 | 29030 | 30801 | 30572 |
| 30.0  | 28230 | 27691 | 29492 | 29268 |
| 33.0  | 26683 | 26156 | 27927 | 27710 |
| 36.0  | 24906 | 24396 | 26116 | 25913 |
| 39.0  | 22858 | 22398 | 24036 | 23860 |
| 42.0  | 20656 | 20313 | 21694 | 21562 |
| 45.0  | 18458 | 18175 | 19247 | 19168 |
| 48.0  | 16171 | 15938 | 16846 | 16785 |
| 51.0  | 13833 | 13639 | 14474 | 14395 |
| 54.0  | 11410 | 11231 | 12071 | 11993 |
| 57.0  | 8988  | 8890  | 9687  | 9667  |
| 60.0  | 6838  | 6831  | 7523  | 7564  |
| 63.0  | 5124  | 5142  | 5689  | 5751  |
| 66.0  | 3821  | 3852  | 4269  | 4297  |
| 69.0  | 2851  | 2879  | 3173  | 3179  |
| 72.0  | 2115  | 2142  | 2356  | 2346  |
| 75.0  | 1527  | 1556  | 1718  | 1696  |
| 78.0  | 1022  | 1043  | 1195  | 1167  |
| 81.0  | 678.0 | 688.9 | 743.6 | 725.3 |
| 84.0  | 399.0 | 406.4 | 445.7 | 427.6 |
| 87.0  | 251.8 | 250.0 | 201.5 | 193.6 |
| 90.0  | 236.7 | 235.1 | 135.6 | 133.9 |
| 93.0  | 225.4 | 224.1 | 141.0 | 139.1 |
| 96.0  | 217.8 | 216.6 | 148.0 | 145.9 |
| 99.0  | 212.9 | 211.8 | 156.2 | 153.9 |
| 102.0 | 210.8 | 209.8 | 165.6 | 163.1 |
| 105.0 | 211.7 | 210.8 | 176.1 | 173.4 |
| 108.0 | 215.0 | 214.2 | 188.0 | 185.0 |
| 111.0 | 220.4 | 219.7 | 201.2 | 197.8 |
| 114.0 | 227.8 | 227.0 | 215.4 | 211.6 |
| 117.0 | 237.1 | 236.3 | 230.6 | 226.2 |
| 120.0 | 247.6 | 246.8 | 246.1 | 241.4 |
| 123.0 | 259.1 | 258.5 | 262.2 | 256.9 |
| 126.0 | 271.5 | 270.8 | 278.1 | 272.6 |
| 129.0 | 284.4 | 283.5 | 293.7 | 287.9 |
| 132.0 | 297.5 | 296.5 | 308.9 | 302.8 |
| 135.0 | 310.4 | 309.5 | 323.8 | 317.6 |
| 138.0 | 323.4 | 322.7 | 338.5 | 332.1 |
| 141.0 | 336.3 | 335.7 | 352.9 | 346.5 |
| 144.0 | 349.2 | 348.9 | 367.4 | 361.6 |
| 147.0 | 362.1 | 362.1 | 381.7 | 375.8 |
| 150.0 | 374.9 | 375.0 | 393.9 | 387.8 |
| 153.0 | 387.7 | 388.0 | 405.1 | 398.8 |
| 156.0 | 399.9 | 400.6 | 417.2 | 411.1 |
| 159.0 | 411.7 | 412.3 | 429.2 | 423.0 |
| 162.0 | 423.9 | 424.5 | 438.9 | 432.5 |
| 165.0 | 435.2 | 435.7 | 446.1 | 440.1 |
| 168.0 | 444.4 | 445.0 | 453.3 | 447.1 |
| 171.0 | 451.6 | 452.3 | 458.9 | 452.8 |
| 174.0 | 456.9 | 457.6 | 462.7 | 456.5 |
| 177.0 | 460.7 | 461.2 | 464.9 | 458.8 |
| 180.0 | 461.9 | 462.6 | 465.7 | 459.4 |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 2024-09-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.250m [K=1.0000]  
 Remarks: