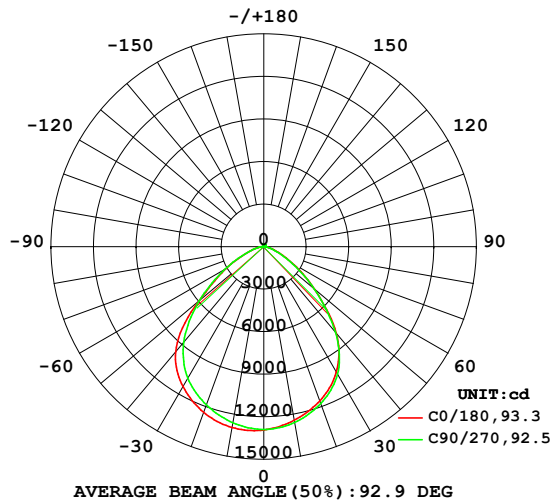


## LUMINAIRE PHOTOMETRIC TEST REPORT

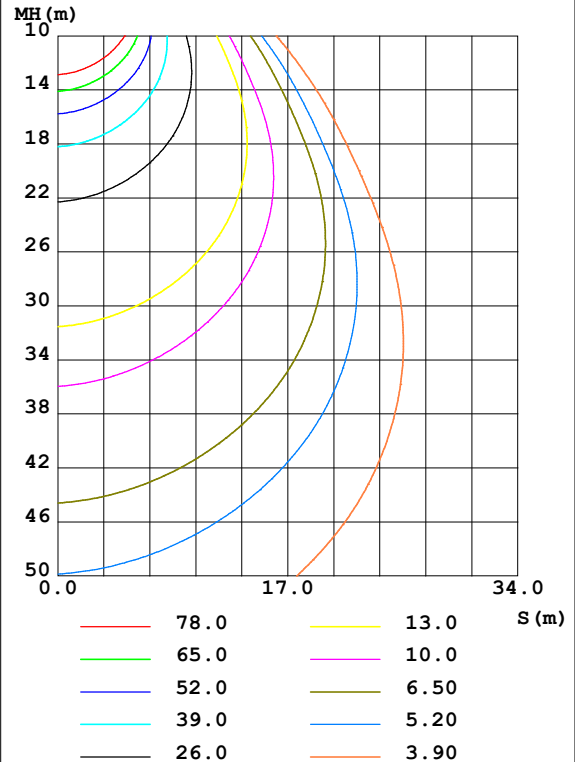
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 189.43 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 13003  | S/MH (C0/180)     | 1.30     |
| NOMINAL POWER(W) | 150     | LOR(%)                            | 100.0  | S/MH (C90/270)    | 1.24     |
| RATED VOLTAGE(V) | 220     | TOTAL FLUX(lm)                    | 28116  | η UP,DN(C0-180)   | 1.2,45.3 |
| NOMINAL FLUX(lm) | 28115.9 | CIE CLASS                         | DIRECT | η UP,DN(C180-360) | 1.1,52.4 |
| 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: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_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       | 1243                                     | 1259  | 1295  | 1261  |  |  |  |  | 0- 10    | 1219        | 1219         | 4.34, 4.34 |
| 20       | 1157                                     | 1177  | 1243  | 1186  |  |  |  |  | 10- 20   | 3479        | 4698         | 16.7, 16.7 |
| 30       | 1023                                     | 1041  | 1140  | 1072  |  |  |  |  | 20- 30   | 5236        | 9934         | 35.3, 35.3 |
| 40       | 795.8                                    | 786.3 | 966.2 | 877.7 |  |  |  |  | 30- 40   | 6081        | 16016        | 57, 57     |
| 50       | 466.3                                    | 468.0 | 600.3 | 592.4 |  |  |  |  | 40- 50   | 5371        | 21387        | 76.1, 76.1 |
| 60       | 230.2                                    | 218.9 | 303.9 | 312.7 |  |  |  |  | 50- 60   | 3480        | 24867        | 88.4, 88.4 |
| 70       | 92.52                                    | 86.31 | 121.1 | 126.0 |  |  |  |  | 60- 70   | 1744        | 26611        | 94.6, 94.6 |
| 80       | 27.83                                    | 24.69 | 39.21 | 41.92 |  |  |  |  | 70- 80   | 690.2       | 27301        | 97.1, 97.1 |
| 90       | 8.563                                    | 8.566 | 5.161 | 5.367 |  |  |  |  | 80- 90   | 171.7       | 27473        | 97.7, 97.7 |
| 100      | 7.760                                    | 7.803 | 5.922 | 5.898 |  |  |  |  | 90-100   | 73.86       | 27547        | 98, 98     |
| 110      | 8.237                                    | 8.233 | 7.238 | 7.231 |  |  |  |  | 100-110  | 76.42       | 27623        | 98.2, 98.2 |
| 120      | 9.485                                    | 9.484 | 8.934 | 9.013 |  |  |  |  | 110-120  | 83.73       | 27707        | 98.5, 98.5 |
| 130      | 11.17                                    | 11.17 | 10.86 | 11.02 |  |  |  |  | 120-130  | 90.64       | 27797        | 98.9, 98.9 |
| 140      | 13.02                                    | 13.01 | 12.85 | 13.11 |  |  |  |  | 130-140  | 92.95       | 27890        | 99.2, 99.2 |
| 150      | 14.80                                    | 14.84 | 14.71 | 15.03 |  |  |  |  | 140-150  | 87.29       | 27978        | 99.5, 99.5 |
| 160      | 16.44                                    | 16.55 | 16.45 | 16.73 |  |  |  |  | 150-160  | 72.50       | 28050        | 99.8, 99.8 |
| 170      | 17.67                                    | 17.87 | 17.67 | 17.88 |  |  |  |  | 160-170  | 48.60       | 28099        | 99.9, 99.9 |
| 180      | 18.16                                    | 18.44 | 18.25 | 18.37 |  |  |  |  | 170-180  | 17.20       | 28116        | 100, 100   |
| DEG      | LUMINOUS INTENSITY: $\times 10\text{cd}$ |       |       |       |  |  |  |  |          | UNIT: lm    |              |            |

Conical surface Flux(90deg): 18903 lm

%lum = 67.2%

%lamp = 67.2%

Conical surface Flux(120deg): 24867 lm

%lum = 88.4%

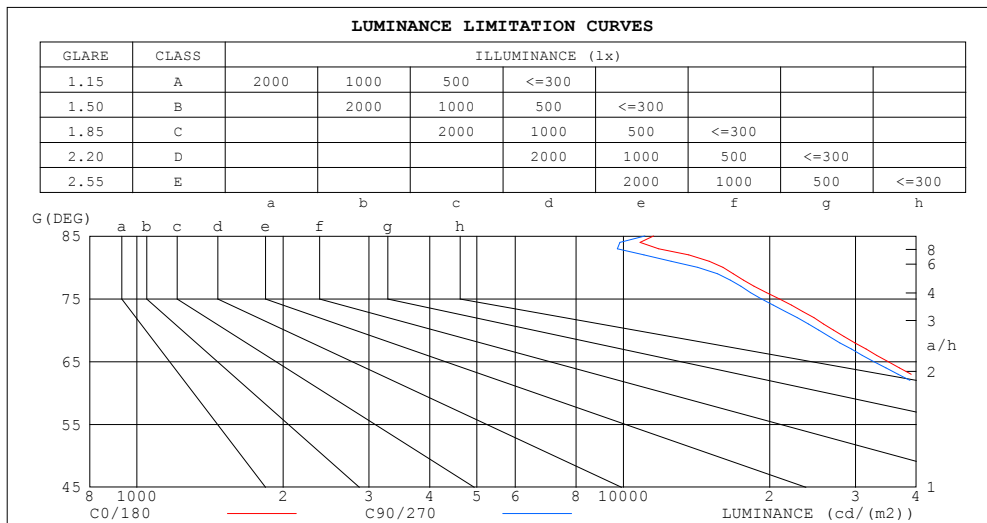
%lamp = 88.4%

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-11-12

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

## LUMINANCE LIMITATION CURVES

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 11539  | 11082   |
| 80                | 16028  | 14217   |
| 75                | 20907  | 19199   |
| 70                | 27052  | 25235   |
| 65                | 34981  | 32678   |
| 60                | 46039  | 43788   |
| 55                | 59418  | 57993   |
| 50                | 72548  | 72808   |
| 45                | 88690  | 87581   |

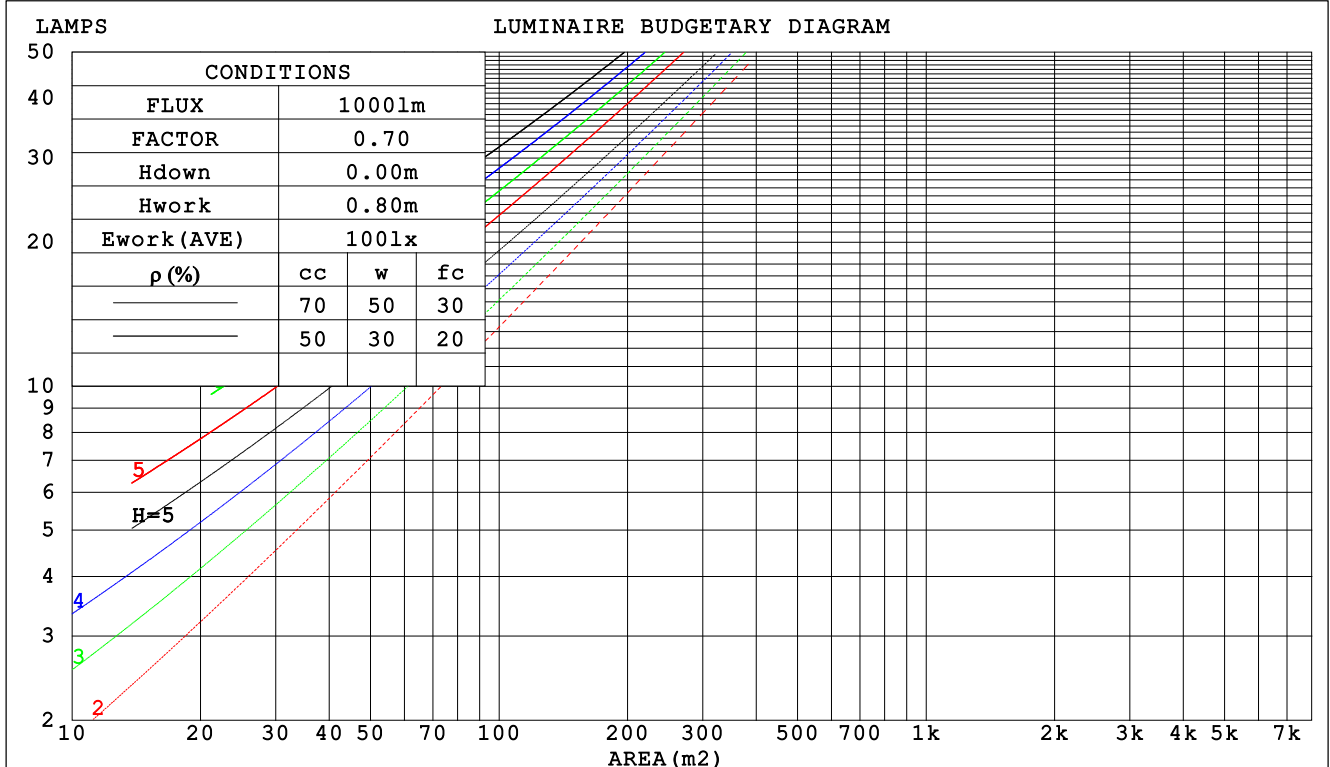
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-12

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

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 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 | .79 | .77 | .75 |
| 3.0                   | .85                             | .78  | .72  | .83  | .77  | .72  | .80  | .75  | .70  | .77  | .73  | .69  | .74 | .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  | .63  | .58  | .53  | .61 | .57 | .53 | .51 |
| 6.0                   | .63                             | .55  | .49  | .62  | .54  | .49  | .60  | .53  | .48  | .58  | .52  | .47  | .56 | .51 | .47 | .45 |
| 7.0                   | .57                             | .49  | .44  | .56  | .49  | .43  | .55  | .48  | .43  | .53  | .47  | .43  | .52 | .46 | .42 | .40 |
| 8.0                   | .53                             | .45  | .39  | .52  | .44  | .39  | .50  | .44  | .39  | .49  | .43  | .38  | .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:DAMIN  
Test Date:2024-11-12

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

## WEC AND CCEC

|                                                                                  |  |       |  |                  |  |
|----------------------------------------------------------------------------------|--|-------|--|------------------|--|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 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 | .244 | .139 | .044 | .230                             | .132 | .042 | .217 | .125 | .040 | .205 | .119 | .038 |   |
| 2.0  | .243                  | .133 | .041 | .237 | .130 | .040 | .224                             | .125 | .039 | .213 | .119 | .037 | .202 | .114 | .036 |   |
| 3.0  | .230                  | .123 | .037 | .225 | .120 | .036 | .214                             | .116 | .035 | .203 | .111 | .034 | .194 | .107 | .033 |   |
| 4.0  | .217                  | .113 | .033 | .212 | .111 | .033 | .202                             | .107 | .032 | .193 | .104 | .031 | .184 | .100 | .031 |   |
| 5.0  | .204                  | .104 | .030 | .199 | .102 | .030 | .190                             | .099 | .029 | .182 | .096 | .029 | .175 | .093 | .028 |   |
| 6.0  | .192                  | .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 | .154 | .078 | .023 | .149 | .076 | .022 |   |
| 9.0  | .161                  | .078 | .022 | .158 | .077 | .022 | .152                             | .075 | .021 | .147 | .073 | .021 | .141 | .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 | .178 | .178 | .178 | .121                                       | .121 | .121 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .194                  | .174 | .157 | .166 | .150 | .135 | .113                                       | .103 | .093 | .065 | .060 | .054 | .021 | .019 | .018 |   |
| 2.0  | .183                  | .150 | .122 | .157 | .129 | .105 | .108                                       | .089 | .073 | .062 | .052 | .043 | .020 | .017 | .014 |   |
| 3.0  | .175                  | .132 | .098 | .150 | .114 | .085 | .103                                       | .079 | .059 | .059 | .046 | .035 | .019 | .015 | .011 |   |
| 4.0  | .167                  | .118 | .081 | .143 | .102 | .070 | .098                                       | .071 | .050 | .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  | .153                  | .099 | .060 | .131 | .086 | .053 | .091                                       | .060 | .037 | .053 | .035 | .022 | .017 | .012 | .007 |   |
| 7.0  | .146                  | .092 | .054 | .126 | .080 | .047 | .087                                       | .056 | .033 | .051 | .033 | .020 | .016 | .011 | .007 |   |
| 8.0  | .141                  | .086 | .049 | .121 | .075 | .043 | .084                                       | .052 | .030 | .049 | .031 | .018 | .016 | .010 | .006 |   |
| 9.0  | .135                  | .081 | .045 | .116 | .070 | .039 | .081                                       | .050 | .028 | .047 | .029 | .017 | .015 | .010 | .005 |   |
| 10.0 | .130                  | .077 | .042 | .112 | .067 | .036 | .078                                       | .047 | .026 | .045 | .028 | .015 | .015 | .009 | .005 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-11-12

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

UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |       |                |      |                  |      |      |
|----------------------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 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                                                                    | 14.4             | 15.7 | 14.7 | 16.0 | 16.2  | 14.3           | 15.6 | 14.6             | 15.9 | 16.1 |
| 3H                                                                               | 14.8             | 16.0 | 15.1 | 16.2 | 16.5  | 14.6           | 15.8 | 15.0             | 16.1 | 16.4 |
| 4H                                                                               | 14.8             | 16.0 | 15.2 | 16.3 | 16.6  | 14.7           | 15.8 | 15.0             | 16.1 | 16.4 |
| 6H                                                                               | 14.9             | 15.9 | 15.2 | 16.2 | 16.6  | 14.7           | 15.8 | 15.1             | 16.1 | 16.4 |
| 8H                                                                               | 14.8             | 15.9 | 15.2 | 16.2 | 16.5  | 14.7           | 15.7 | 15.1             | 16.0 | 16.4 |
| 12H                                                                              | 14.8             | 15.8 | 15.2 | 16.1 | 16.5  | 14.7           | 15.6 | 15.0             | 16.0 | 16.3 |
| 4H 2H                                                                            | 14.5             | 15.7 | 14.9 | 15.9 | 16.2  | 14.5           | 15.6 | 14.8             | 15.9 | 16.2 |
| 3H                                                                               | 15.0             | 16.0 | 15.4 | 16.3 | 16.7  | 14.9           | 15.9 | 15.3             | 16.2 | 16.5 |
| 4H                                                                               | 15.2             | 16.0 | 15.6 | 16.4 | 16.8  | 15.0           | 15.9 | 15.4             | 16.3 | 16.6 |
| 6H                                                                               | 15.2             | 16.0 | 15.7 | 16.4 | 16.8  | 15.1           | 15.9 | 15.5             | 16.3 | 16.7 |
| 8H                                                                               | 15.2             | 16.0 | 15.7 | 16.4 | 16.8  | 15.1           | 15.8 | 15.5             | 16.2 | 16.6 |
| 12H                                                                              | 15.2             | 15.9 | 15.7 | 16.3 | 16.7  | 15.1           | 15.7 | 15.5             | 16.1 | 16.6 |
| 8H 4H                                                                            | 15.1             | 15.9 | 15.6 | 16.3 | 16.7  | 15.0           | 15.7 | 15.5             | 16.1 | 16.6 |
| 6H                                                                               | 15.3             | 15.9 | 15.7 | 16.3 | 16.8  | 15.1           | 15.7 | 15.6             | 16.2 | 16.6 |
| 8H                                                                               | 15.3             | 15.8 | 15.8 | 16.3 | 16.8  | 15.1           | 15.7 | 15.6             | 16.1 | 16.6 |
| 12H                                                                              | 15.3             | 15.7 | 15.8 | 16.2 | 16.8  | 15.1           | 15.6 | 15.6             | 16.1 | 16.6 |
| 12H 4H                                                                           | 15.1             | 15.8 | 15.6 | 16.2 | 16.6  | 15.0           | 15.6 | 15.4             | 16.1 | 16.5 |
| 6H                                                                               | 15.2             | 15.8 | 15.7 | 16.2 | 16.7  | 15.1           | 15.6 | 15.6             | 16.1 | 16.6 |
| 8H                                                                               | 15.3             | 15.7 | 15.8 | 16.2 | 16.7  | 15.1           | 15.6 | 15.6             | 16.1 | 16.6 |
| Variations with the observer position at spacings:                               |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H                                                                         | + 0.7 / - 1.0    |      |      |      |       | + 0.8 / - 1.0  |      |                  |      |      |
| 1.5H                                                                             | + 0.4 / - 0.4    |      |      |      |       | + 0.4 / - 0.4  |      |                  |      |      |
| 2.0H                                                                             | + 1.6 / - 1.7    |      |      |      |       | + 1.7 / - 1.7  |      |                  |      |      |

CIE Pub.117, 28116 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.6)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-12

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

### UTILIZATION FACTORS TABLE

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

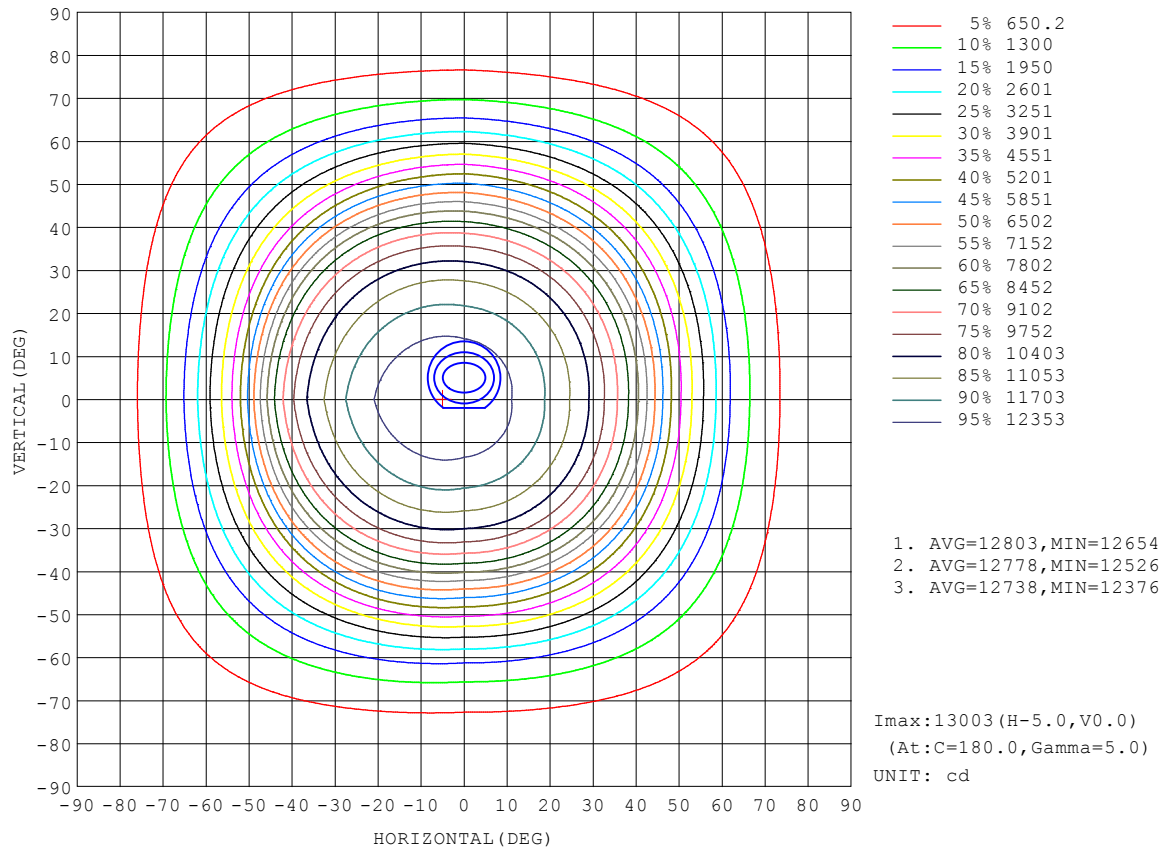
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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        | 64  | 54  | 48  | 62  | 53            | 48  | 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                                                   | 80  | 75        | 88  | 80  | 74  | 85  | 78            | 73  | 67     |
| 1.50                             | 94                                                   | 86  | 80        | 92  | 85  | 79  | 89  | 83            | 78  | 71     |
| 2.00                             | 99                                                   | 93  | 87        | 98  | 91  | 86  | 94  | 89            | 85  | 77     |
| 2.50                             | 103                                                  | 96  | 91        | 100 | 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 | 98  | 102 | 98            | 95  | 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: DAMIN  
Test Date: 2024-11-12

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

## ISOCANDELA DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

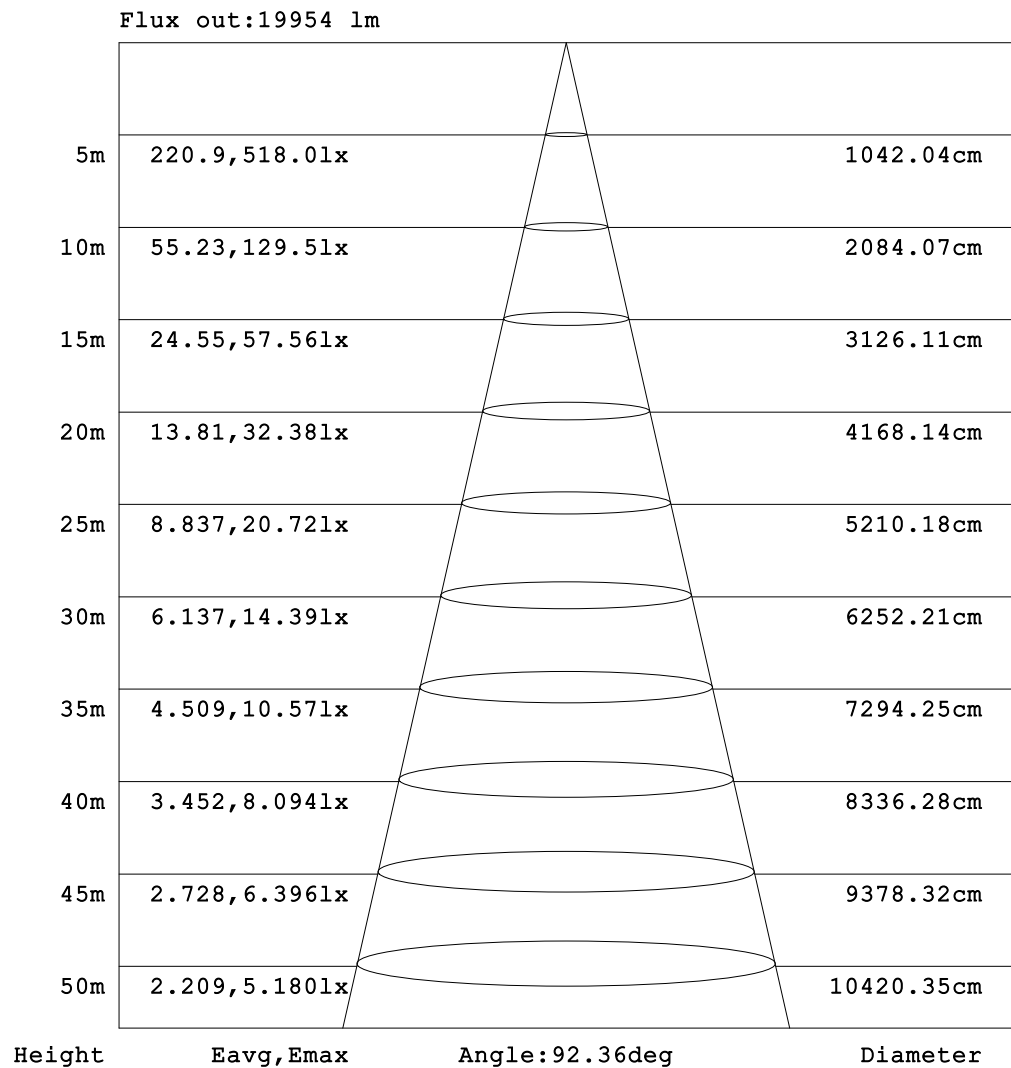


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-11-12

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

### AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |



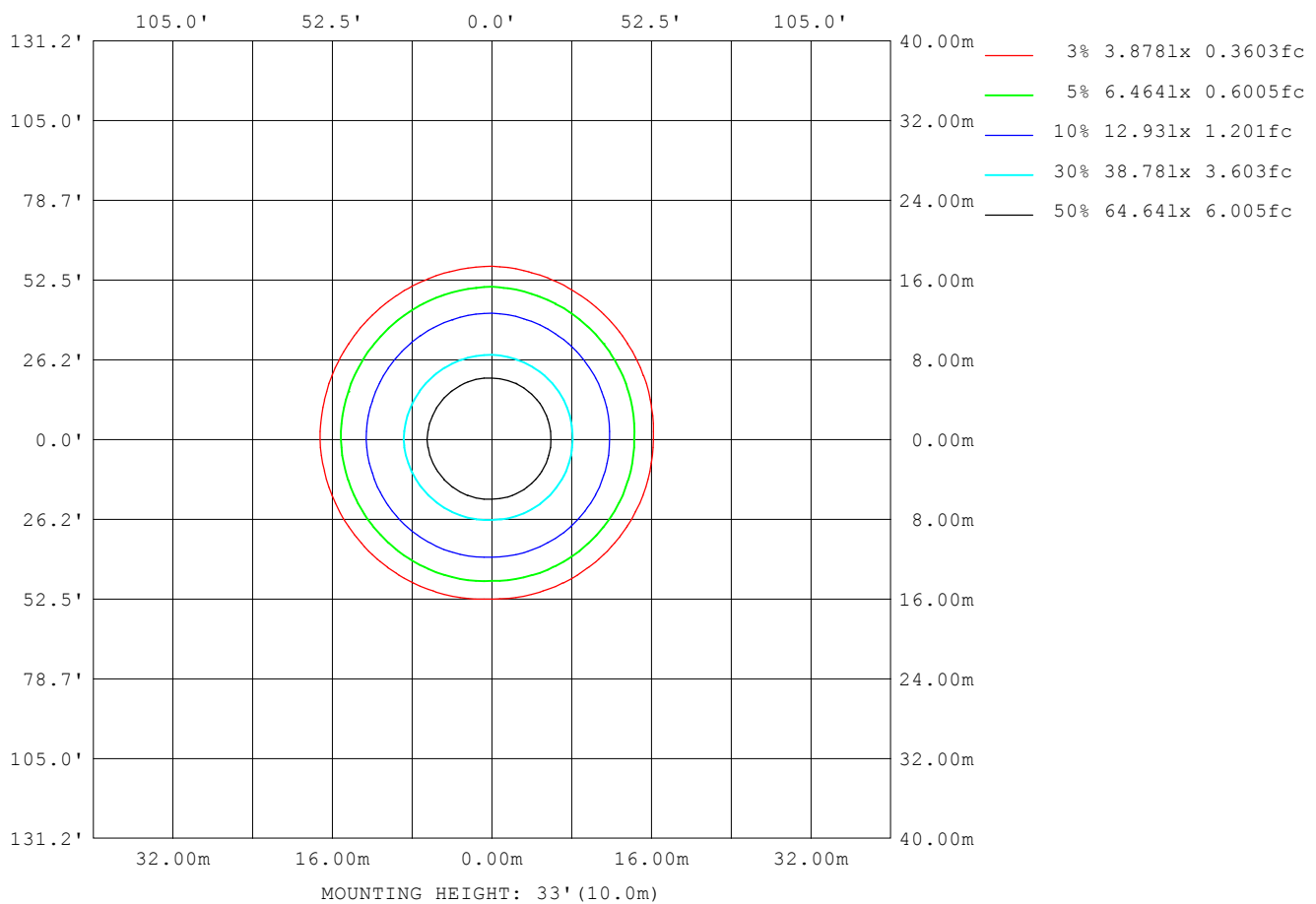
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2024-11-12

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

## ISOLUX DIAGRAM

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 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: DAMIN  
Test Date: 2024-11-12

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

### LED Avg.L Report

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 lm |       |                  |
| NAME:                                                                            | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.: | Shielding Angle: |

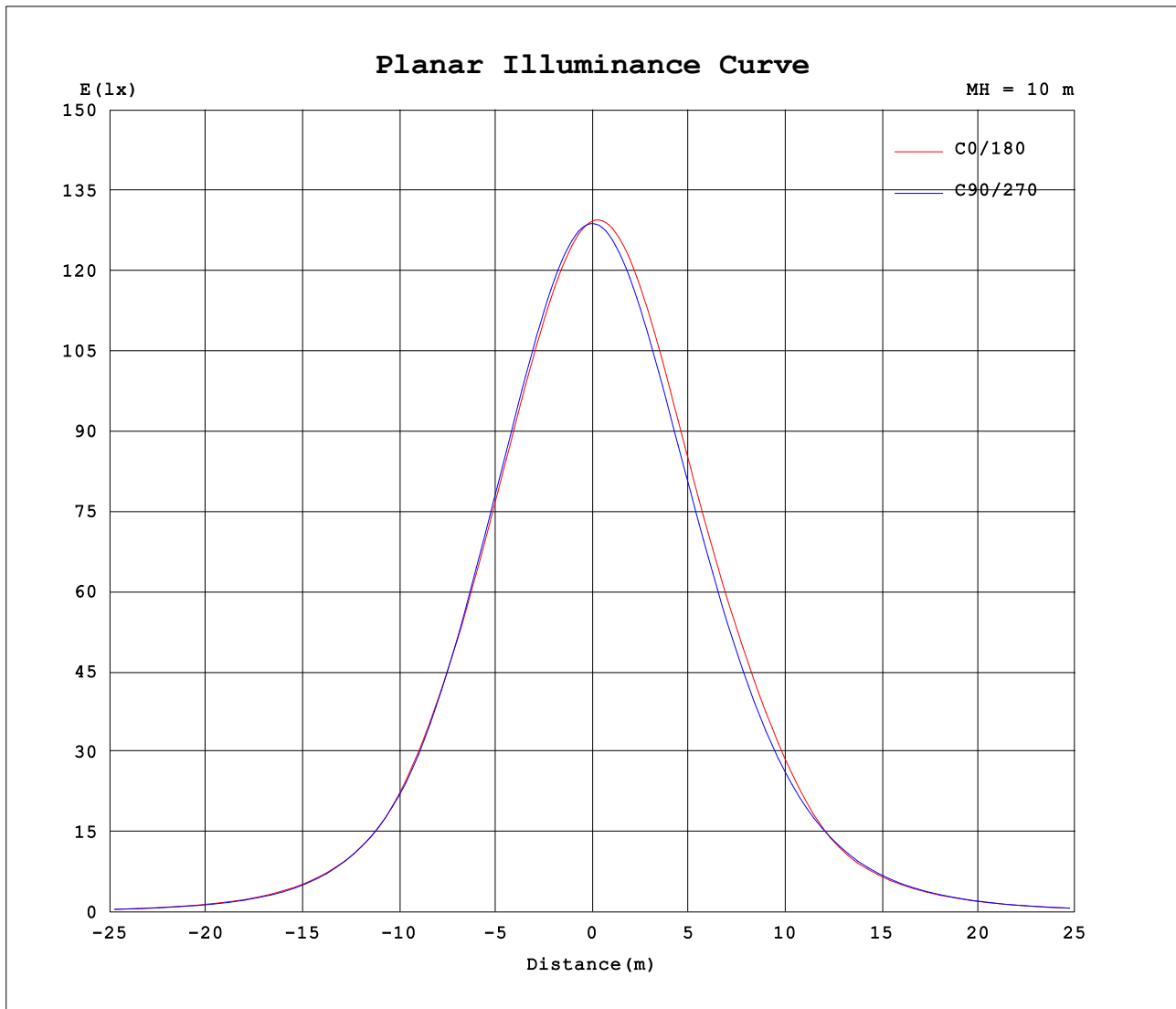
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 40889 |
| L_0~180 (75) av  | 24416 |
| L_0~180 (85) av  | 14973 |
| L_90~270 (65) av | 40280 |
| L_90~270 (75) av | 24365 |
| L_90~270 (85) av | 16653 |
| L_45 (65) av     | 40878 |
| L_45 (75) av     | 24603 |
| L_45 (85) av     | 16237 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-12

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_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: DAMIN  
Test Date: 2024-11-12

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

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:218.34V I:0.7047A P:148.43W PF:0.9647 Freq:49.99Hz Lamp Flux:28115.9x1 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                  | 1293 | 1289 | 1293 | 1289  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 1273 | 1281 | 1300 | 1282  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 1243 | 1259 | 1295 | 1261  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 1204 | 1224 | 1275 | 1229  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1157 | 1177 | 1243 | 1186  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1099 | 1118 | 1197 | 1136  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1023 | 1041 | 1140 | 1072  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 925  | 930  | 1067 | 986   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 796  | 786  | 966  | 878   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 627  | 619  | 812  | 743   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 466  | 468  | 600  | 592   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 341  | 333  | 426  | 445   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 230  | 219  | 304  | 313   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 148  | 138  | 198  | 202   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 92.5 | 86.3 | 121  | 126   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 54.1 | 49.7 | 72.3 | 76.4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 27.8 | 24.7 | 39.2 | 41.9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 10.1 | 9.66 | 16.0 | 19.4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 8.56 | 8.57 | 5.16 | 5.37  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 7.98 | 8.03 | 5.45 | 5.43  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 7.76 | 7.80 | 5.92 | 5.90  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 7.87 | 7.89 | 6.52 | 6.50  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 8.24 | 8.23 | 7.24 | 7.23  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 8.78 | 8.78 | 8.06 | 8.08  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 9.48 | 9.48 | 8.93 | 9.01  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 10.3 | 10.3 | 9.87 | 10.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 11.2 | 11.2 | 10.9 | 11.0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 12.1 | 12.1 | 11.9 | 12.1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 13.0 | 13.0 | 12.8 | 13.1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 13.9 | 13.9 | 13.8 | 14.1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 14.8 | 14.8 | 14.7 | 15.0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 15.6 | 15.7 | 15.6 | 15.9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 16.4 | 16.6 | 16.4 | 16.7  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 17.1 | 17.3 | 17.2 | 17.4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 17.7 | 17.9 | 17.7 | 17.9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 18.0 | 18.3 | 18.0 | 18.2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 18.2 | 18.4 | 18.2 | 18.4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-12

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