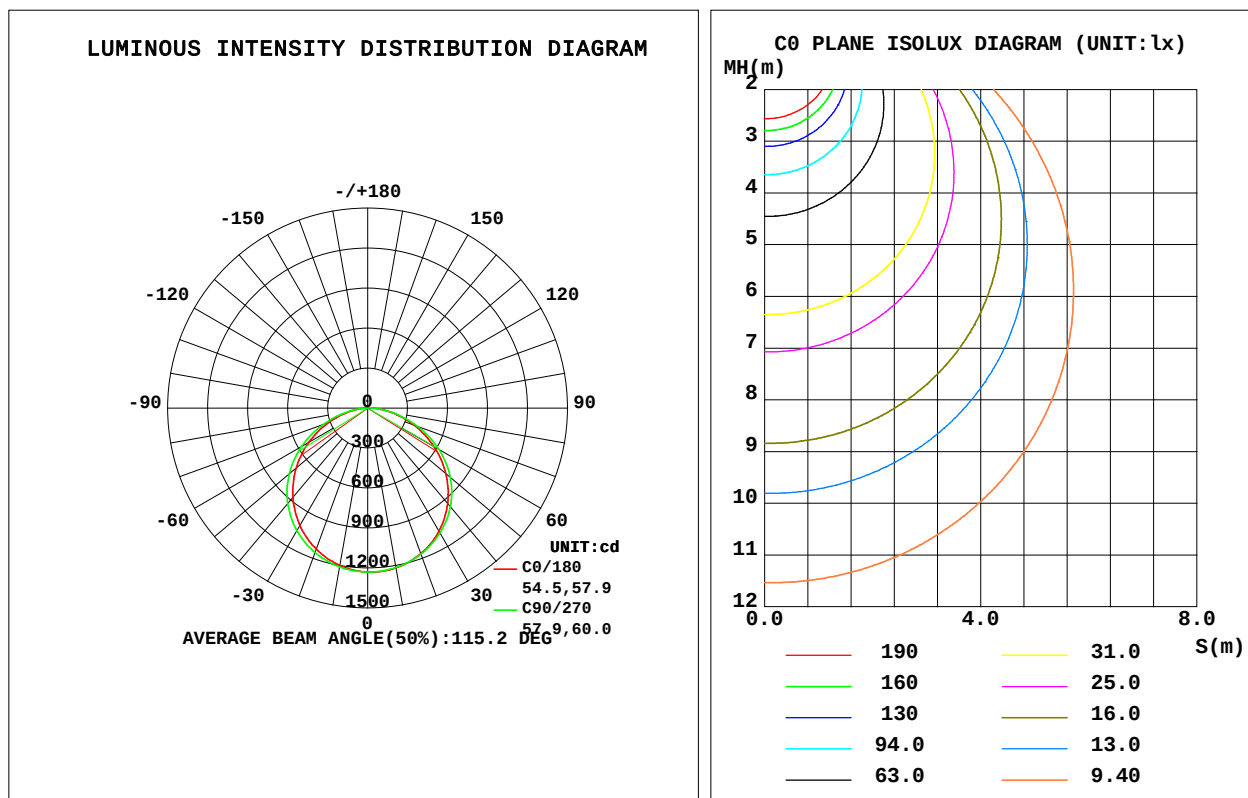


## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                  |                  |
| NAME:                                                                            | TYPE:            | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295mm | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255mm  | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 100.48 lm/W |        |                    |          |
|------------------|---------|-----------------------------------|--------|--------------------|----------|
| MODEL            | --      | I <sub>max</sub> (cd)             | 1231   | S/MH(C0/180)       | 1.24     |
| NOMINAL POWER(W) | --      | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.28     |
| RATED VOLTAGE(V) | --      | TOTAL FLUX(lm)                    | 3633.5 | η UP, DN(C0-180)   | 0.0,52.0 |
| NOMINAL FLUX(lm) | 3633.33 | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.0,48.0 |
| LAMPS INSIDE     | 1       | η up(%)                           | 0.0    | CIBSE SHR NOM      | 1.25     |
| TEST VOLTAGE(V)  | --      | η down(%)                         | 100.0  | CIBSE SHR MAX      | 1.35     |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:1  
Test Date:2023-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:6.790m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C90   | C180  | C270  |  |  |  |  | $\gamma$ | $\phi$ zone | $\phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--|--|--|--|----------|-------------|--------------|------------|
| 10       | 1218                  | 1215  | 1199  | 1210  |  |  |  |  | 0- 10    | 116.5       | 116.5        | 3.21, 3.21 |
| 20       | 1164                  | 1167  | 1128  | 1154  |  |  |  |  | 10- 20   | 335.0       | 451.5        | 12.4, 12.4 |
| 30       | 1068                  | 1084  | 1018  | 1063  |  |  |  |  | 20- 30   | 511.8       | 963.3        | 26.5, 26.5 |
| 40       | 934.2                 | 965.8 | 873.4 | 933.9 |  |  |  |  | 30- 40   | 623.4       | 1587         | 43.7, 43.7 |
| 50       | 766.8                 | 809.5 | 700.8 | 768.8 |  |  |  |  | 40- 50   | 653.6       | 2240         | 61.7, 61.7 |
| 60       | 572.8                 | 615.8 | 507.8 | 570.6 |  |  |  |  | 50- 60   | 595.5       | 2836         | 78, 78.1   |
| 70       | 365.3                 | 394.8 | 306.0 | 349.4 |  |  |  |  | 60- 70   | 455.8       | 3292         | 90.6, 90.6 |
| 80       | 169.2                 | 178.7 | 118.3 | 137.8 |  |  |  |  | 70- 80   | 263.5       | 3555         | 97.8, 97.8 |
| 90       | 31.46                 | 24.77 | 4.486 | 1.268 |  |  |  |  | 80- 90   | 78.33       | 3633         | 100, 100   |
| 100      |                       |       |       |       |  |  |  |  | 90-100   |             |              |            |
| 110      |                       |       |       |       |  |  |  |  | 100-110  |             |              |            |
| 120      |                       |       |       |       |  |  |  |  | 110-120  |             |              |            |
| 130      |                       |       |       |       |  |  |  |  | 120-130  |             |              |            |
| 140      |                       |       |       |       |  |  |  |  | 130-140  |             |              |            |
| 150      |                       |       |       |       |  |  |  |  | 140-150  |             |              |            |
| 160      |                       |       |       |       |  |  |  |  | 150-160  |             |              |            |
| 170      |                       |       |       |       |  |  |  |  | 160-170  |             |              |            |
| 180      |                       |       |       |       |  |  |  |  | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  |          | UNIT: lm    |              |            |

Conical surface Flux(90deg): 1915.3 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(120deg): 2835.9 lm

%lum = 78.0%

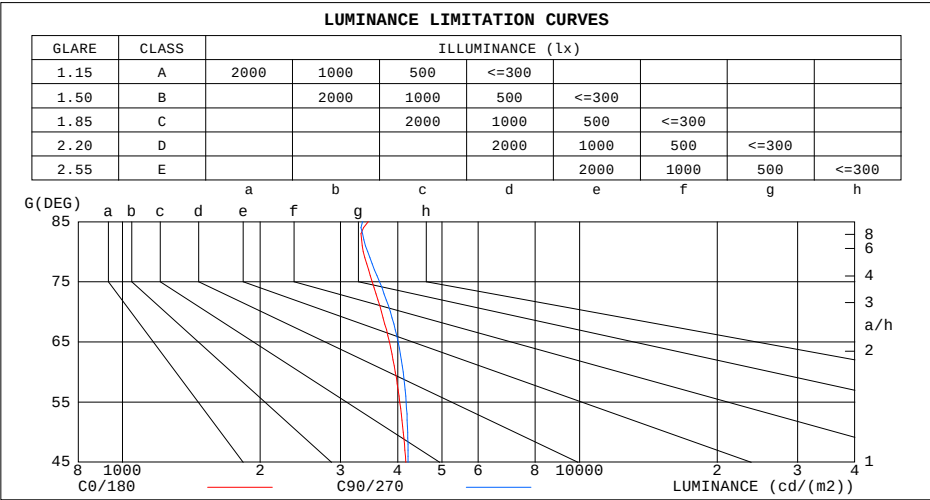
%lamp = 78.1%

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 1  
 Test Date: 2023-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 6.790m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|                                                                                  |                 |                  |
|----------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                 |                  |
| NAME:                                                                            | TYPE:           | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295m | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255m  | Shielding Angle: |



| LUMINANCE cd/(m2) |        |                     |
|-------------------|--------|---------------------|
| G(180)            | G(270) | LUMINANCE (cd/(m2)) |
| 85                | 85     | 1000                |
| 80                | 80     | 1000                |
| 75                | 75     | 1000                |
| 70                | 70     | 1000                |
| 65                | 65     | 1000                |
| 60                | 60     | 1000                |
| 55                | 55     | 1000                |
| 50                | 50     | 1000                |
| 45                | 45     | 1000                |

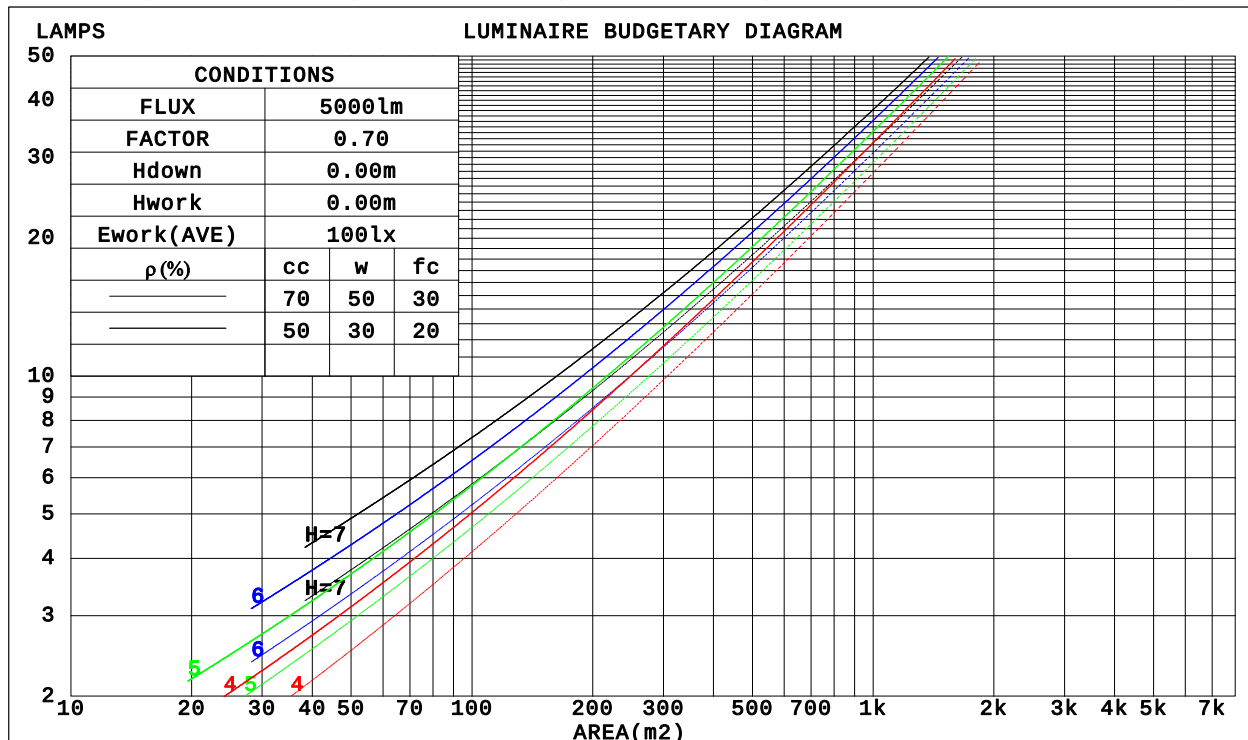
C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:1  
Test Date:2023-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:6.790m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |                 |                  |
|----------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                 |                  |
| NAME:                                                                            | TYPE:           | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295m | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255m  | Shielding Angle: |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0    |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| $\rho_W$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |
| 0.0         | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0         | 1.04                  | .99  | .95  | 1.01 | .97  | .94  | .97                             | .94  | .91  | .93  | .90  | .88  | .90  | .87  | .85  | .83  |
| 2.0         | .90                   | .83  | .77  | .88  | .82  | .76  | .85                             | .79  | .75  | .81  | .77  | .73  | .78  | .75  | .71  | .69  |
| 3.0         | .79                   | .71  | .64  | .77  | .70  | .63  | .74                             | .68  | .62  | .72  | .66  | .61  | .69  | .64  | .60  | .58  |
| 4.0         | .70                   | .61  | .54  | .68  | .60  | .54  | .66                             | .59  | .53  | .64  | .57  | .52  | .61  | .56  | .51  | .49  |
| 5.0         | .62                   | .53  | .46  | .61  | .53  | .46  | .59                             | .51  | .46  | .57  | .50  | .45  | .55  | .49  | .45  | .42  |
| 6.0         | .56                   | .47  | .40  | .55  | .46  | .40  | .53                             | .46  | .40  | .51  | .45  | .39  | .50  | .44  | .39  | .37  |
| 7.0         | .51                   | .42  | .36  | .50  | .41  | .35  | .48                             | .41  | .35  | .47  | .40  | .35  | .45  | .39  | .35  | .33  |
| 8.0         | .46                   | .38  | .32  | .46  | .37  | .32  | .44                             | .37  | .31  | .43  | .36  | .31  | .42  | .36  | .31  | .29  |
| 9.0         | .42                   | .34  | .28  | .42  | .34  | .28  | .41                             | .33  | .28  | .40  | .33  | .28  | .39  | .32  | .28  | .26  |
| 10.0        | .39                   | .31  | .26  | .39  | .31  | .26  | .38                             | .30  | .26  | .37  | .30  | .25  | .36  | .30  | .25  | .24  |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:1  
Test Date:2023-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:6.790m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                  |                  |
| NAME:                                                                            | TYPE:            | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295mm | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255mm  | Shielding Angle: |

|             |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .315                  | .179 | .057 | .308 | .176 | .056 | .295                            | .169 | .054 | .282 | .163 | .052 | .271 | .157 | .051 |   |  |
| 2.0         | .295                  | .162 | .050 | .289 | .159 | .049 | .277                            | .154 | .048 | .267 | .150 | .047 | .257 | .145 | .046 |   |  |
| 3.0         | .273                  | .145 | .044 | .267 | .143 | .043 | .257                            | .139 | .042 | .247 | .136 | .042 | .238 | .132 | .041 |   |  |
| 4.0         | .252                  | .131 | .038 | .247 | .129 | .038 | .237                            | .126 | .038 | .229 | .123 | .037 | .221 | .120 | .037 |   |  |
| 5.0         | .232                  | .118 | .034 | .228 | .117 | .034 | .220                            | .114 | .034 | .212 | .112 | .033 | .205 | .110 | .033 |   |  |
| 6.0         | .215                  | .108 | .031 | .211 | .107 | .031 | .204                            | .105 | .030 | .197 | .103 | .030 | .191 | .101 | .030 |   |  |
| 7.0         | .200                  | .099 | .028 | .197 | .098 | .028 | .190                            | .096 | .028 | .184 | .094 | .027 | .178 | .093 | .027 |   |  |
| 8.0         | .187                  | .091 | .026 | .184 | .091 | .026 | .178                            | .089 | .025 | .173 | .087 | .025 | .167 | .086 | .025 |   |  |
| 9.0         | .175                  | .085 | .024 | .172 | .084 | .024 | .167                            | .083 | .023 | .162 | .081 | .023 | .158 | .080 | .023 |   |  |
| 10.0        | .165                  | .079 | .022 | .162 | .078 | .022 | .157                            | .077 | .022 | .153 | .076 | .022 | .149 | .075 | .021 |   |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%                                        |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0         | .190                  | .190 | .190 | .163                                       | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .181                  | .156 | .134 | .155                                       | .134 | .115 | .106 | .092 | .080 | .061 | .053 | .046 | .019 | .017 | .015 |   |
| 2.0         | .173                  | .132 | .098 | .148                                       | .114 | .084 | .101 | .079 | .059 | .058 | .046 | .034 | .019 | .015 | .011 |   |
| 3.0         | .165                  | .114 | .074 | .141                                       | .099 | .064 | .097 | .069 | .045 | .056 | .040 | .026 | .018 | .013 | .009 |   |
| 4.0         | .157                  | .101 | .058 | .135                                       | .087 | .050 | .093 | .061 | .035 | .054 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0         | .150                  | .091 | .047 | .129                                       | .078 | .041 | .089 | .055 | .029 | .051 | .032 | .017 | .017 | .010 | .006 |   |
| 6.0         | .143                  | .082 | .039 | .123                                       | .071 | .034 | .085 | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0         | .136                  | .075 | .033 | .117                                       | .065 | .029 | .081 | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0         | .129                  | .070 | .029 | .111                                       | .060 | .025 | .077 | .042 | .018 | .045 | .025 | .011 | .015 | .008 | .003 |   |
| 9.0         | .123                  | .065 | .025 | .106                                       | .056 | .022 | .074 | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0        | .118                  | .060 | .022 | .101                                       | .052 | .019 | .070 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:1  
 Test Date:2023-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:6.790m [K=1.0000]  
 Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                  |               |                  |      |      |                 |               |                |                  |      |      |      |
|----------------------------------------------------------------------------------|---------------|------------------|------|------|-----------------|---------------|----------------|------------------|------|------|------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |               |                  |      |      |                 |               |                |                  |      |      |      |
| NAME:                                                                            |               |                  |      |      | TYPE:           |               |                | WEIGHT:          |      |      |      |
| SPEC.:LPB3012-WHTC40-4000K                                                       |               |                  |      |      | DIM.: 1195*295m |               |                | SERIAL No.:      |      |      |      |
| MFR.: EVERFINE                                                                   |               |                  |      |      | SUR.:1155*255m  |               |                | 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                                                                    | 13.4          | 15.0             | 13.7 | 15.2 | 15.4            | 13.5          | 15.1           | 13.8             | 15.3 | 15.5 |      |
|                                                                                  | 3H            | 15.0             | 16.4 | 15.3 | 16.7            | 16.9          | 15.2           | 16.6             | 15.5 | 16.8 | 17.1 |
|                                                                                  | 4H            | 15.7             | 17.0 | 16.0 | 17.3            | 17.5          | 15.8           | 17.2             | 16.2 | 17.4 | 17.7 |
|                                                                                  | 6H            | 16.2             | 17.4 | 16.5 | 17.7            | 18.0          | 16.3           | 17.6             | 16.7 | 17.9 | 18.2 |
|                                                                                  | 8H            | 16.4             | 17.6 | 16.7 | 17.9            | 18.2          | 16.5           | 17.8             | 16.9 | 18.0 | 18.3 |
|                                                                                  | 12H           | 16.5             | 17.7 | 16.9 | 18.0            | 18.3          | 16.7           | 17.8             | 17.0 | 18.1 | 18.4 |
| 4H                                                                               | 2H            | 14.1             | 15.4 | 14.4 | 15.7            | 15.9          | 14.2           | 15.5             | 14.5 | 15.8 | 16.0 |
|                                                                                  | 3H            | 15.8             | 17.0 | 16.2 | 17.3            | 17.6          | 16.0           | 17.2             | 16.3 | 17.5 | 17.8 |
|                                                                                  | 4H            | 16.6             | 17.7 | 17.0 | 18.0            | 18.4          | 16.8           | 17.9             | 17.2 | 18.2 | 18.5 |
|                                                                                  | 6H            | 17.3             | 18.2 | 17.7 | 18.6            | 19.0          | 17.4           | 18.4             | 17.8 | 18.7 | 19.1 |
|                                                                                  | 8H            | 17.5             | 18.4 | 17.9 | 18.8            | 19.2          | 17.7           | 18.6             | 18.1 | 18.9 | 19.3 |
|                                                                                  | 12H           | 17.7             | 18.6 | 18.2 | 18.9            | 19.3          | 17.9           | 18.7             | 18.3 | 19.1 | 19.5 |
| 8H                                                                               | 4H            | 16.9             | 17.8 | 17.3 | 18.2            | 18.6          | 17.1           | 18.0             | 17.5 | 18.3 | 18.7 |
|                                                                                  | 6H            | 17.8             | 18.5 | 18.2 | 18.9            | 19.3          | 17.9           | 18.6             | 18.3 | 19.0 | 19.5 |
|                                                                                  | 8H            | 18.1             | 18.8 | 18.6 | 19.2            | 19.6          | 18.2           | 18.9             | 18.7 | 19.3 | 19.8 |
|                                                                                  | 12H           | 18.4             | 19.0 | 18.9 | 19.4            | 19.9          | 18.5           | 19.1             | 19.0 | 19.5 | 20.0 |
| 12H                                                                              | 4H            | 17.0             | 17.8 | 17.4 | 18.2            | 18.6          | 17.1           | 17.9             | 17.5 | 18.3 | 18.7 |
|                                                                                  | 6H            | 17.8             | 18.5 | 18.3 | 18.9            | 19.4          | 18.0           | 18.6             | 18.4 | 19.0 | 19.5 |
|                                                                                  | 8H            | 18.2             | 18.8 | 18.7 | 19.3            | 19.7          | 18.3           | 18.9             | 18.8 | 19.4 | 19.8 |
| Variations with the observer position at spacings:                               |               |                  |      |      |                 |               |                |                  |      |      |      |
| S = 1.0H                                                                         | + 0.1 / - 0.2 |                  |      |      |                 | + 0.1 / - 0.2 |                |                  |      |      |      |
| 1.5H                                                                             | + 0.2 / - 0.3 |                  |      |      |                 | + 0.2 / - 0.3 |                |                  |      |      |      |
| 2.0H                                                                             | + 0.1 / - 0.3 |                  |      |      |                 | + 0.1 / - 0.3 |                |                  |      |      |      |

CIE Pub.117, 3633 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.5)  
Area: 0.294525 m2

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:1  
Test Date:2023-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:6.790m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                  |                  |
| NAME:                                                                            | TYPE:            | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295mm | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255mm  | Shielding Angle: |

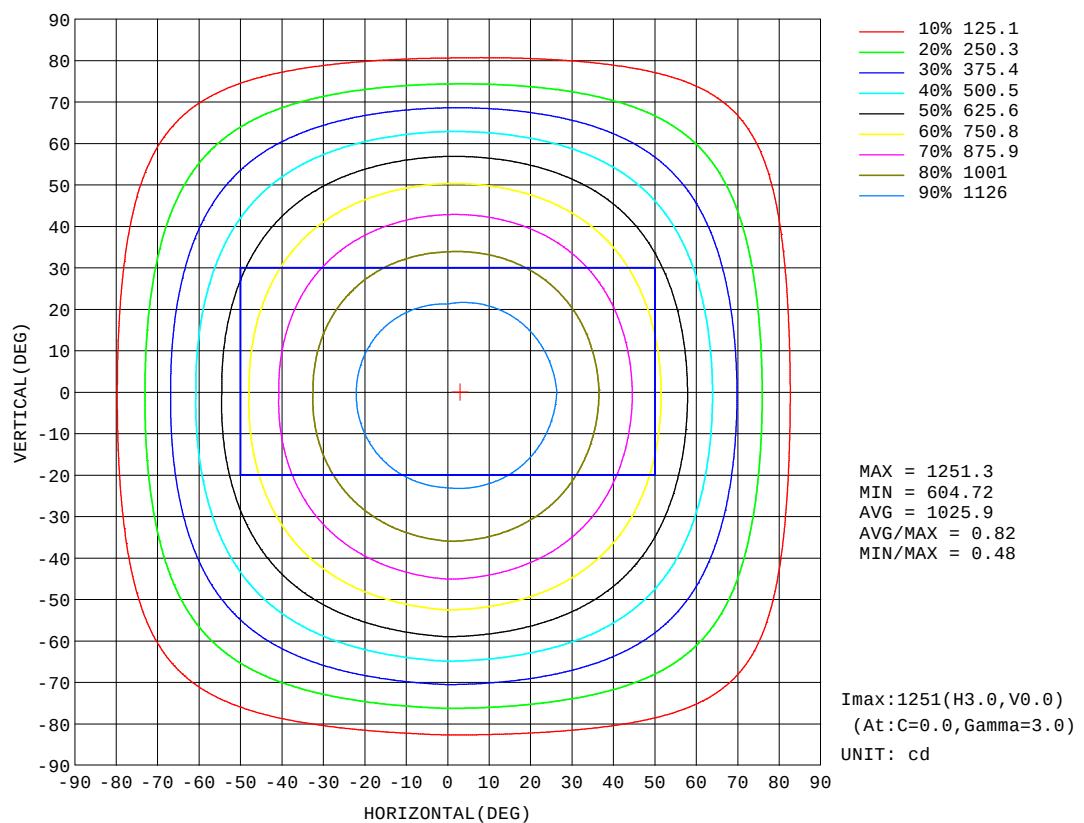
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                         | 57                                                  | 45  | 38        | 56  | 45  | 38  | 55  | 45            | 38  | 31     |
| 0.80                             | 67                                                  | 55  | 48        | 66  | 55  | 48  | 64  | 54            | 47  | 40     |
| 1.00                             | 75                                                  | 64  | 57        | 74  | 64  | 57  | 72  | 65            | 56  | 49     |
| 1.25                             | 83                                                  | 72  | 65        | 81  | 71  | 64  | 78  | 70            | 64  | 56     |
| 1.50                             | 88                                                  | 78  | 71        | 86  | 77  | 70  | 83  | 75            | 69  | 61     |
| 2.00                             | 95                                                  | 86  | 79        | 93  | 85  | 79  | 89  | 82            | 77  | 69     |
| 2.50                             | 99                                                  | 91  | 84        | 96  | 89  | 84  | 93  | 87            | 82  | 73     |
| 3.00                             | 102                                                 | 95  | 89        | 100 | 93  | 88  | 96  | 90            | 86  | 78     |
| 4.00                             | 106                                                 | 100 | 95        | 104 | 98  | 94  | 99  | 95            | 91  | 82     |
| 5.00                             | 108                                                 | 104 | 99        | 106 | 102 | 98  | 101 | 98            | 95  | 86     |
| 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:1  
 Test Date:2023-08-30

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:6.790m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                  |                  |
| NAME:                                                                            | TYPE:            | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295mm | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255mm  | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:1  
Test Date:2023-08-30

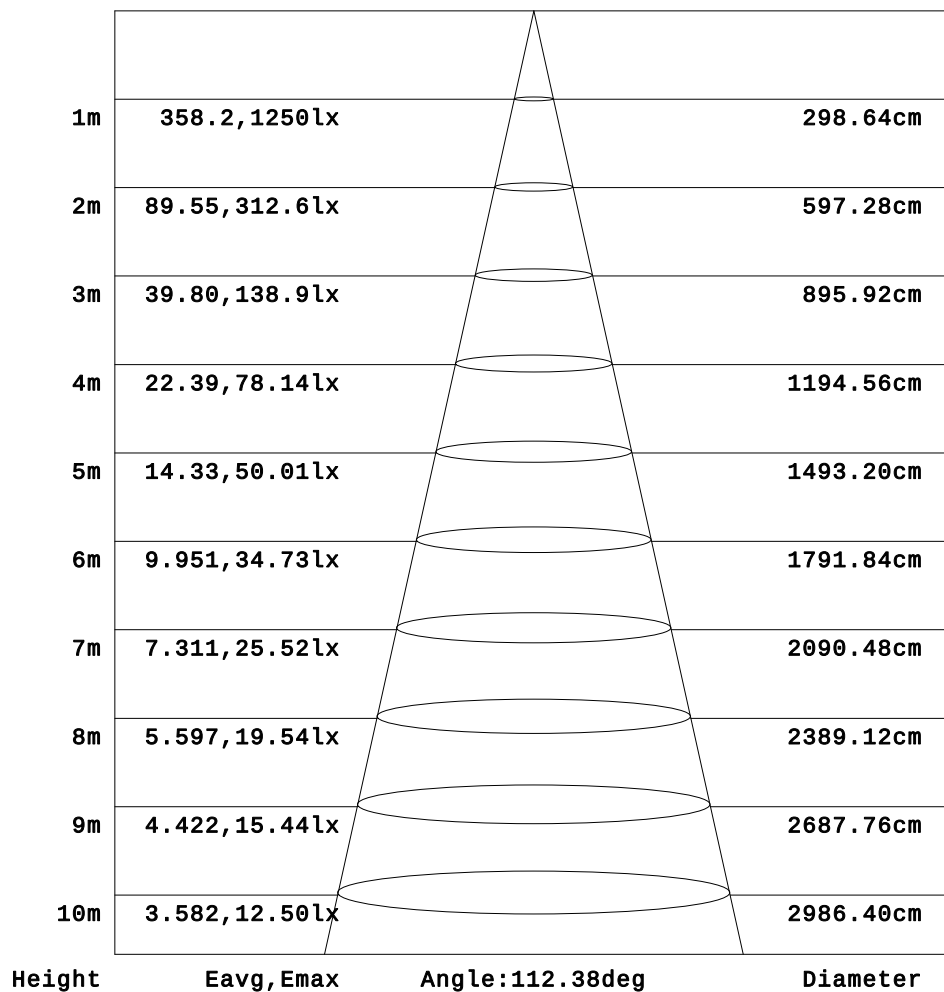
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:6.790m [K=1.0000]  
Remarks:



## AAI Figure

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                  |                  |
| NAME:                                                                            | TYPE:            | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295mm | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255mm  | Shielding Angle: |

Flux out:2668 lm



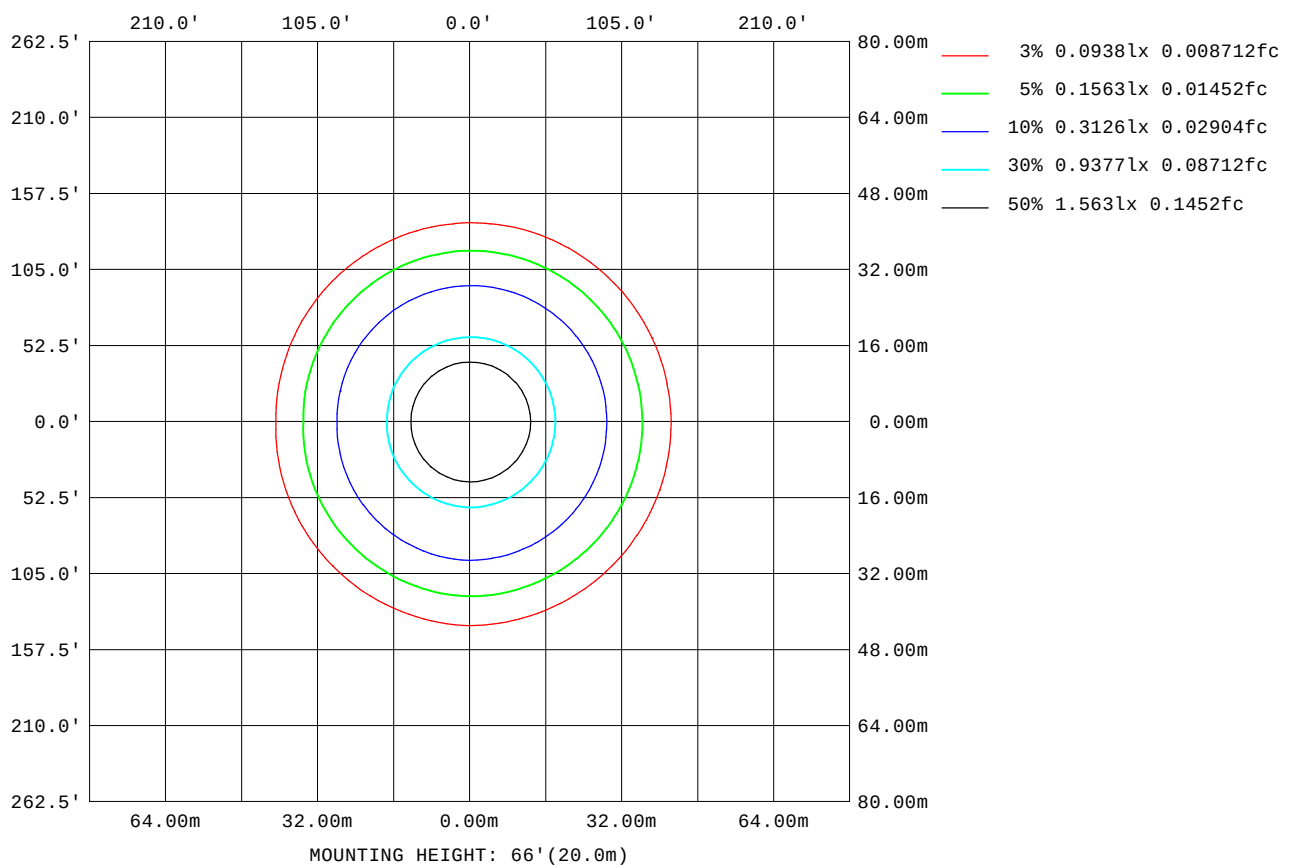
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:1  
 Test Date:2023-08-30

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:6.790m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                                  |                 |                  |
|----------------------------------------------------------------------------------|-----------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                 |                  |
| NAME:                                                                            | TYPE:           | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295m | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255m  | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:1  
Test Date:2023-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:6.790m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:221.43V I:0.1668A P:36.161W PF:0.9789 Freq:49.90Hz Lamp Flux:3633.33x1 lm |                  |                  |
| NAME:                                                                            | TYPE:            | WEIGHT:          |
| SPEC.:LPB3012-WHTC40-4000K                                                       | DIM.: 1195*295mm | SERIAL No.:      |
| MFR.: EVERFINE                                                                   | SUR.:1155*255mm  | Shielding Angle: |

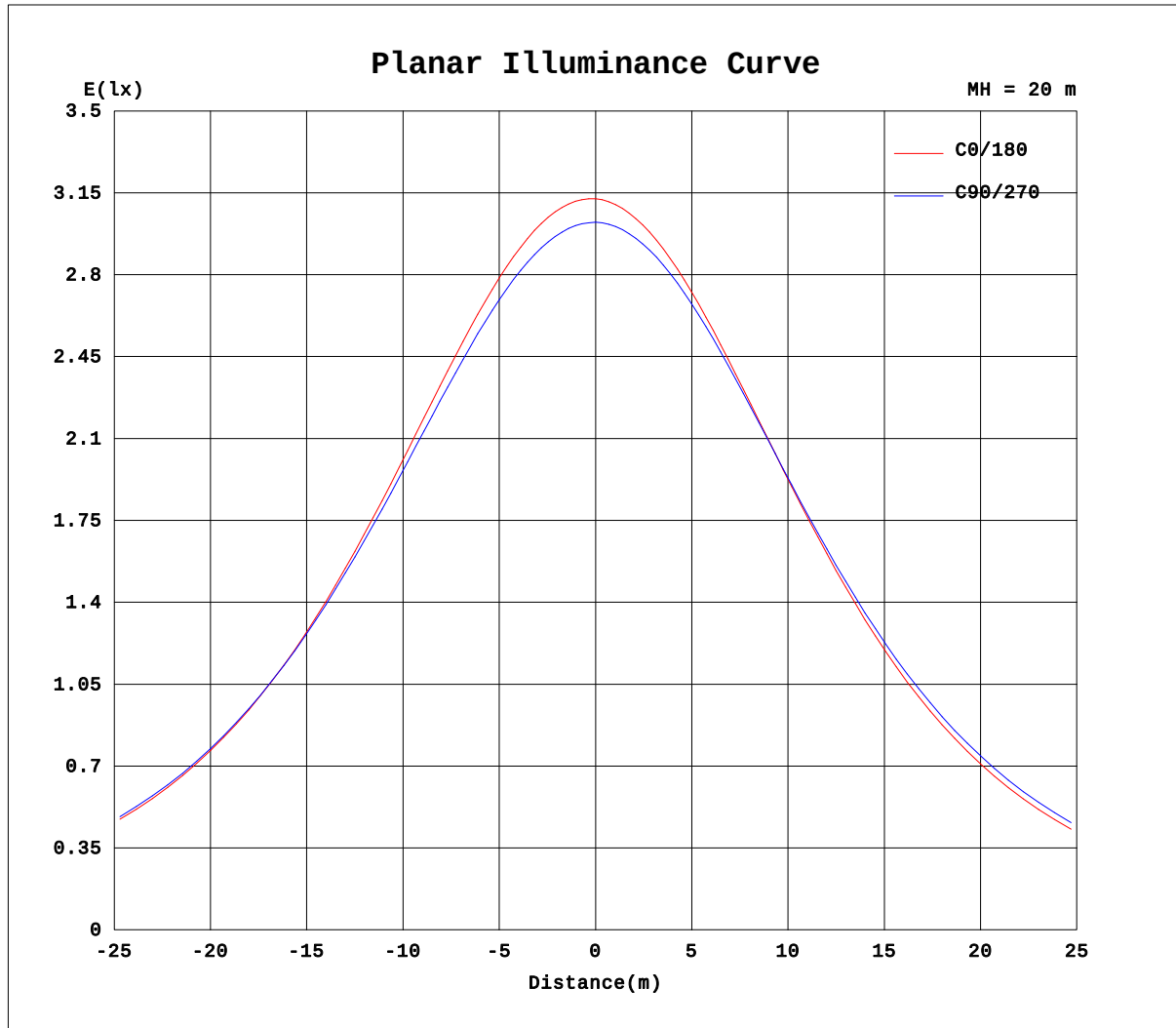
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 3521  |
| L_0~180(75)av  | 3101  |
| L_0~180(85)av  | 2526  |
| L_90~270(65)av | 3891  |
| L_90~270(75)av | 3427  |
| L_90~270(85)av | 2672  |
| L_45(65)av     | 3734  |
| L_45(75)av     | 3280  |
| L_45(85)av     | 2563  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:1  
Test Date:2023-08-30

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:6.790m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: 1  
Test Date: 2023-08-30

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 6.790m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:6.790m [K=1.0000]
Remarks:

```

## Photometric Data Table [cd]

| G/C  | 0.0   | 90.0  | 180.0 | 270.0 |
|------|-------|-------|-------|-------|
| 0.0  | 1230  | 1230  | 1230  | 1230  |
| 3.0  | 1231  | 1230  | 1225  | 1228  |
| 6.0  | 1228  | 1225  | 1217  | 1222  |
| 9.0  | 1221  | 1218  | 1204  | 1214  |
| 12.0 | 1211  | 1209  | 1188  | 1202  |
| 15.0 | 1196  | 1196  | 1168  | 1187  |
| 18.0 | 1178  | 1179  | 1145  | 1168  |
| 21.0 | 1156  | 1160  | 1118  | 1147  |
| 24.0 | 1130  | 1138  | 1088  | 1122  |
| 27.0 | 1101  | 1113  | 1055  | 1094  |
| 30.0 | 1068  | 1084  | 1018  | 1063  |
| 33.0 | 1032  | 1053  | 978.3 | 1028  |
| 36.0 | 992.2 | 1018  | 935.0 | 990.2 |
| 39.0 | 949.3 | 979.3 | 889.2 | 948.1 |
| 42.0 | 903.2 | 937.8 | 841.1 | 903.3 |
| 45.0 | 854.2 | 892.7 | 790.3 | 856.5 |
| 48.0 | 802.5 | 843.8 | 737.3 | 803.9 |
| 51.0 | 748.3 | 791.7 | 682.4 | 749.5 |
| 54.0 | 691.9 | 736.0 | 625.6 | 692.9 |
| 57.0 | 633.0 | 677.6 | 567.1 | 632.7 |
| 60.0 | 572.8 | 615.8 | 507.8 | 570.6 |
| 63.0 | 511.6 | 551.4 | 447.1 | 505.3 |
| 66.0 | 448.7 | 485.2 | 386.4 | 439.4 |
| 69.0 | 386.2 | 417.0 | 326.1 | 371.7 |
| 72.0 | 324.5 | 349.6 | 266.2 | 305.3 |
| 75.0 | 263.8 | 283.1 | 208.9 | 239.5 |
| 78.0 | 206.2 | 219.0 | 153.7 | 177.0 |
| 81.0 | 151.6 | 159.3 | 100.7 | 119.2 |
| 84.0 | 102.0 | 104.0 | 55.70 | 66.03 |
| 87.0 | 60.37 | 57.30 | 22.05 | 20.32 |
| 90.0 | 31.46 | 24.77 | 4.486 | 1.268 |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 1  
 Test Date: 2023-08-30

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 6.790m [K=1.0000]  
 Remarks: