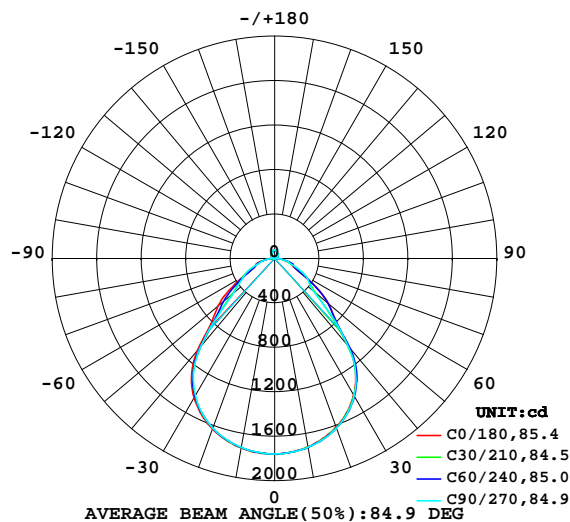


## LUMINAIRE PHOTOMETRIC TEST REPORT

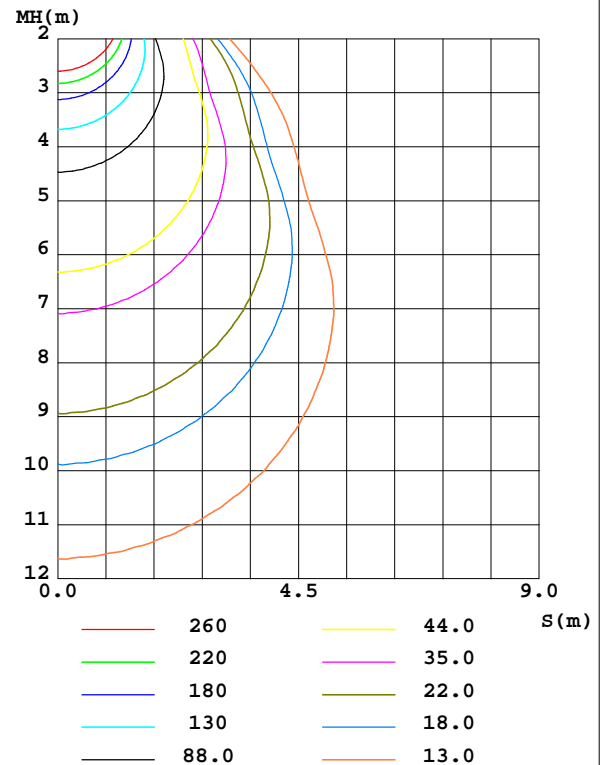
|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA |        |                        |          | Eff: 104.92 lm/W |
|------------------|---------|------------------|--------|------------------------|----------|------------------|
| MODEL            |         | Imax(cd)         | 1762   | S/MH(C0/180)           | 1.23     |                  |
| NOMINAL POWER(W) | 38      | LOR(%)           | 100.0  | S/MH(C90/270)          | 1.21     |                  |
| RATED VOLTAGE(V) | 230     | TOTAL FLUX(lm)   | 3751.2 | $\eta$ UP,DN(C0-180)   | 2.7,46.7 |                  |
| NOMINAL FLUX(lm) | 3751.15 | CIE CLASS        | DIRECT | $\eta$ UP,DN(C180-360) | 2.6,48.1 |                  |
| LAMPS INSIDE     | 1       | $\eta$ up(%)     | 5.3    | CIBSE SHR NOM          | 1.25     |                  |
| TEST VOLTAGE(V)  | 229.5   | $\eta$ down(%)   | 94.7   | CIBSE SHR MAX          | 1.25     |                  |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature: 25.3°C

Operators: Mr.Ma

Test Date: 12 August 2024

 $\gamma$  Range: 0 - 180DEG $\gamma$  Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity: 65.0%

Test Distance: 6.100m [K=1.0000]

Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10       | 1720                  | 1724  | 1726  | 1720  | 1730  | 1727  | 1726  | 1730  | 0- 10    | 166.3       | 166.3        | 4.43,4.43 |
| 20       | 1614                  | 1622  | 1625  | 1614  | 1634  | 1627  | 1624  | 1635  | 10- 20   | 475.1       | 641.4        | 17.1,17.1 |
| 30       | 1419                  | 1430  | 1430  | 1415  | 1450  | 1435  | 1427  | 1452  | 20- 30   | 709.0       | 1350         | 36,36     |
| 40       | 1028                  | 1040  | 1028  | 999.5 | 1086  | 1041  | 1036  | 1095  | 30- 40   | 792.5       | 2143         | 57.1,57.1 |
| 50       | 634.2                 | 551.2 | 457.0 | 556.5 | 665.1 | 549.6 | 481.4 | 600.1 | 40- 50   | 590.4       | 2733         | 72.9,72.9 |
| 60       | 292.2                 | 312.2 | 329.1 | 309.6 | 330.2 | 321.5 | 322.9 | 349.7 | 50- 60   | 389.8       | 3123         | 83.3,83.3 |
| 70       | 166.7                 | 171.0 | 169.7 | 168.6 | 182.7 | 177.1 | 179.8 | 182.7 | 60- 70   | 234.4       | 3357         | 89.5,89.5 |
| 80       | 87.22                 | 87.04 | 90.72 | 85.33 | 96.37 | 94.39 | 93.65 | 99.38 | 70- 80   | 145.1       | 3503         | 93.4,93.4 |
| 90       | 1.234                 | 1.214 | 1.177 | 1.230 | 3.356 | 1.382 | 1.334 | 4.034 | 80- 90   | 50.62       | 3553         | 94.7,94.7 |
| 100      | 8.200                 | 7.995 | 7.783 | 8.895 | 7.277 | 7.644 | 7.899 | 6.904 | 90-100   | 4.124       | 3557         | 94.8,94.8 |
| 110      | 20.61                 | 20.66 | 20.18 | 21.55 | 19.73 | 20.53 | 20.09 | 19.17 | 100-110  | 14.69       | 3572         | 95.2,95.2 |
| 120      | 31.98                 | 31.59 | 31.79 | 32.79 | 30.74 | 31.41 | 30.71 | 30.22 | 110-120  | 25.99       | 3598         | 95.9,95.9 |
| 130      | 41.25                 | 41.24 | 41.55 | 42.49 | 40.19 | 40.56 | 40.01 | 39.37 | 120-130  | 32.44       | 3630         | 96.8,96.8 |
| 140      | 49.03                 | 49.31 | 49.51 | 50.09 | 48.13 | 48.34 | 47.70 | 46.97 | 130-140  | 34.70       | 3665         | 97.7,97.7 |
| 150      | 54.85                 | 55.10 | 55.17 | 55.60 | 54.15 | 54.19 | 53.85 | 52.63 | 140-150  | 32.41       | 3697         | 98.6,98.6 |
| 160      | 65.29                 | 65.11 | 64.96 | 65.57 | 63.15 | 63.03 | 63.04 | 61.48 | 150-160  | 26.54       | 3724         | 99.3,99.3 |
| 170      | 75.71                 | 75.69 | 74.94 | 75.37 | 74.86 | 74.42 | 74.44 | 73.46 | 160-170  | 19.81       | 3744         | 99.8,99.8 |
| 180      | 79.61                 | 79.34 | 78.99 | 78.50 | 79.56 | 79.34 | 79.01 | 78.44 | 170-180  | 7.319       | 3751         | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT: lm    |              |           |

Conical surface Flux(90deg): 2471.4 lm

%lum = 65.9%

%lamp = 65.9%

Conical surface Flux(130deg): 3255.8 lm

%lum = 86.8%

%lamp = 86.8%

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Mr.Ma

Test Date:12 August 2024

 $\gamma$  Range: 0 - 180DEG $\gamma$  Interval: 1.0DEG $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:6.100m [K=1.0000]

Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz

Lamp Flux:3751.15x1 lm

NAME: LED347 (38W 3000K) Uplight on

TYPE: 调光双色暖白白色

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

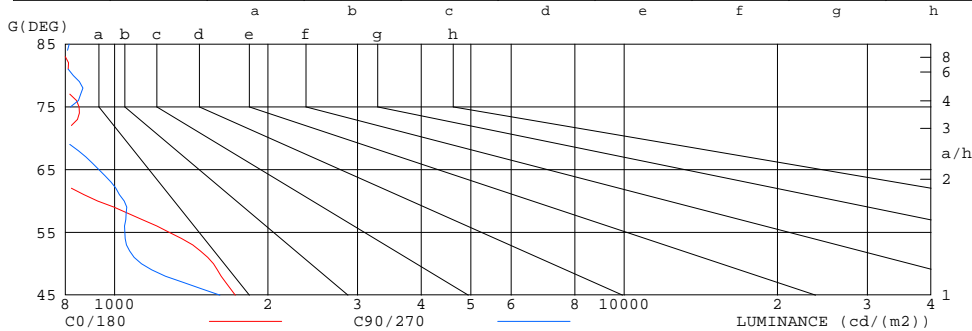
MFR.:

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) |      |      |       |       |       |       |       |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15  | A     | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.50  | B     |                  | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85  | C     |                  |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.20  | D     |                  |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55  | E     |                  |      |      |       | 2000  | 1000  | 500   | <=300 |



LUMINANCE cd/(m2)

| G (DEG) | C0/180 | C90/270 |
|---------|--------|---------|
| 85      | 764    | 815     |
| 80      | 796    | 830     |
| 75      | 852    | 820     |
| 70      | 772    | 788     |
| 65      | 742    | 932     |
| 60      | 926    | 1045    |
| 55      | 1282   | 1047    |
| 50      | 1563   | 1129    |
| 45      | 1725   | 1610    |

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature: 25.3°C

Operators: Mr.Ma

Test Date: 12 August 2024

 $\gamma$  Range: 0 - 180DEG $\gamma$  Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity: 65.0%

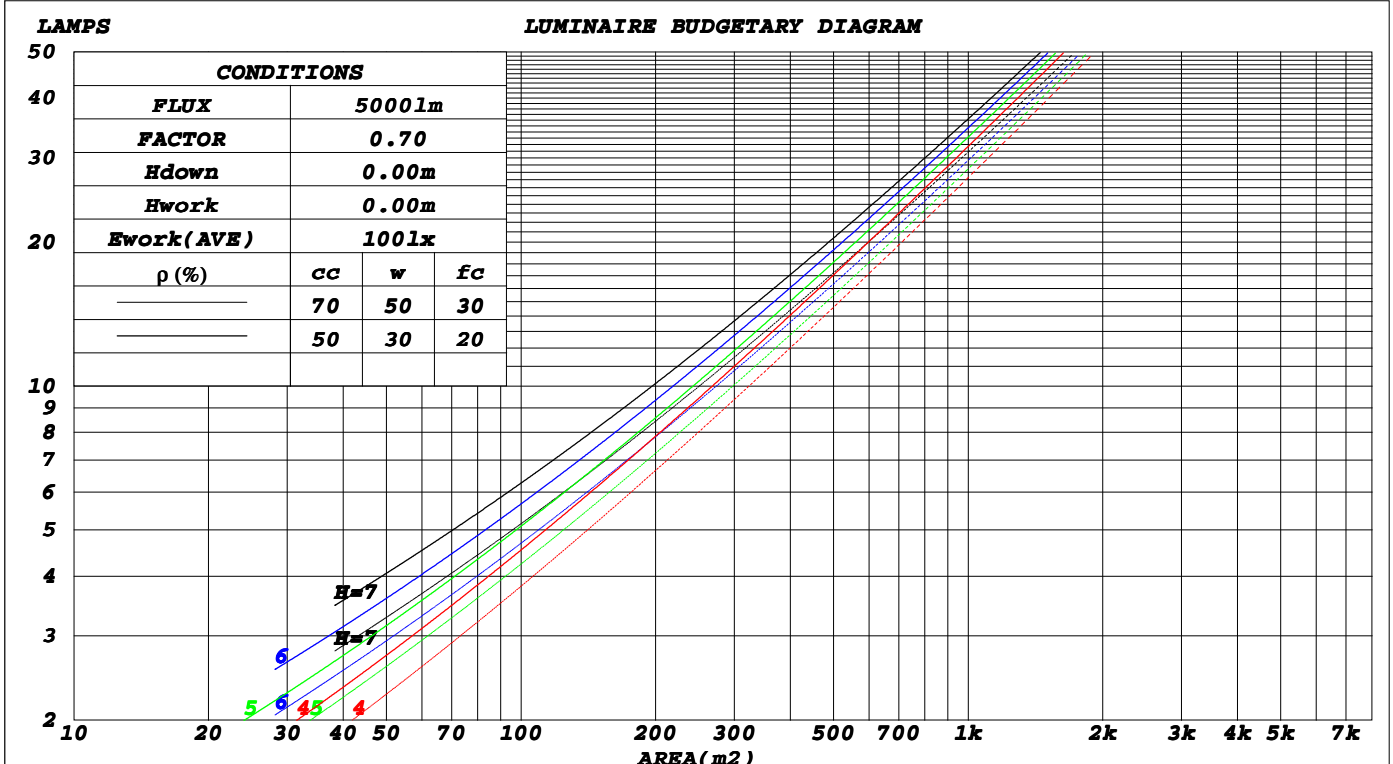
Test Distance: 6.100m [K=1.0000]

Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | 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         | RCR:Room Cavity Ratio |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |     |     |     |
| 0.0         | 1.18                  | 1.18 | 1.18 | 1.14                            | 1.14 | 1.14 | 1.08 | 1.08 | 1.08 | 1.02 | 1.02 | 1.02 | .97 | .97 | .97 | .95 |
| 1.0         | 1.05                  | 1.01 | .98  | 1.02                            | .99  | .96  | .97  | .94  | .92  | .92  | .90  | .88  | .88 | .86 | .85 | .82 |
| 2.0         | .94                   | .88  | .83  | .91                             | .86  | .81  | .87  | .83  | .79  | .83  | .79  | .76  | .79 | .76 | .74 | .72 |
| 3.0         | .84                   | .77  | .71  | .82                             | .75  | .70  | .78  | .73  | .68  | .75  | .70  | .66  | .72 | .68 | .65 | .63 |
| 4.0         | .76                   | .68  | .62  | .74                             | .67  | .61  | .71  | .65  | .60  | .68  | .63  | .59  | .65 | .61 | .57 | .55 |
| 5.0         | .68                   | .60  | .55  | .67                             | .60  | .54  | .64  | .58  | .53  | .62  | .56  | .52  | .60 | .55 | .51 | .49 |
| 6.0         | .62                   | .54  | .49  | .61                             | .54  | .48  | .59  | .52  | .47  | .57  | .51  | .47  | .55 | .50 | .46 | .44 |
| 7.0         | .57                   | .49  | .44  | .56                             | .49  | .43  | .54  | .47  | .43  | .52  | .46  | .42  | .51 | .45 | .41 | .39 |
| 8.0         | .52                   | .45  | .39  | .52                             | .44  | .39  | .50  | .43  | .39  | .48  | .42  | .38  | .47 | .42 | .38 | .36 |
| 9.0         | .48                   | .41  | .36  | .48                             | .41  | .36  | .46  | .40  | .35  | .45  | .39  | .35  | .43 | .38 | .34 | .33 |
| 10.0        | .45                   | .38  | .33  | .44                             | .37  | .33  | .43  | .37  | .32  | .42  | .36  | .32  | .41 | .35 | .32 | .30 |



C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature: 25.3°C

Operators: Mr.Ma

Test Date: 12 August 2024

 $\gamma$  Range: 0 - 180DEG $\gamma$  Interval: 1.0DEG $\gamma$  Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity: 65.0%

Test Distance: 6.100m [K=1.0000]

Remarks:

**WEC AND CCEC**

|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | 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         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .264                  | .150 | .048 | .255 | .146 | .046 | .239                            | .137 | .044 | .225 | .130 | .042 | .211 | .122 | .039 |   |  |
| 2.0         | .249                  | .137 | .042 | .242 | .133 | .041 | .228                            | .127 | .039 | .215 | .121 | .038 | .203 | .115 | .036 |   |  |
| 3.0         | .233                  | .124 | .037 | .227 | .121 | .037 | .214                            | .116 | .035 | .203 | .111 | .034 | .192 | .106 | .033 |   |  |
| 4.0         | .218                  | .113 | .033 | .212 | .111 | .033 | .201                            | .106 | .032 | .190 | .102 | .031 | .181 | .098 | .030 |   |  |
| 5.0         | .203                  | .104 | .030 | .198 | .102 | .030 | .188                            | .098 | .029 | .179 | .094 | .028 | .170 | .091 | .027 |   |  |
| 6.0         | .191                  | .096 | .027 | .186 | .094 | .027 | .177                            | .091 | .026 | .168 | .088 | .026 | .161 | .085 | .025 |   |  |
| 7.0         | .179                  | .088 | .025 | .175 | .087 | .025 | .167                            | .084 | .024 | .159 | .082 | .024 | .152 | .079 | .023 |   |  |
| 8.0         | .169                  | .082 | .023 | .165 | .081 | .023 | .157                            | .079 | .022 | .150 | .076 | .022 | .144 | .074 | .022 |   |  |
| 9.0         | .159                  | .077 | .021 | .156 | .076 | .021 | .149                            | .074 | .021 | .143 | .071 | .020 | .137 | .069 | .020 |   |  |
| 10.0        | .151                  | .072 | .020 | .147 | .071 | .020 | .141                            | .069 | .019 | .135 | .067 | .019 | .130 | .065 | .019 |   |  |

| $\rho_{cc}$ | 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         | .231  | .231 | .231 | .197 | .197 | .197 | .135 | .135 | .135 | .077 | .077 | .077 | .025 | .025 | .025 |   |
| 1.0         | .218  | .197 | .179 | .186 | .169 | .154 | .127 | .116 | .106 | .073 | .067 | .062 | .023 | .022 | .020 |   |
| 2.0         | .207  | .173 | .144 | .178 | .149 | .124 | .122 | .103 | .087 | .070 | .060 | .051 | .023 | .019 | .017 |   |
| 3.0         | .198  | .155 | .121 | .170 | .134 | .105 | .117 | .093 | .073 | .067 | .054 | .043 | .022 | .018 | .014 |   |
| 4.0         | .190  | .142 | .104 | .163 | .122 | .091 | .112 | .085 | .064 | .065 | .050 | .038 | .021 | .016 | .012 |   |
| 5.0         | .183  | .131 | .093 | .157 | .113 | .081 | .108 | .079 | .057 | .063 | .046 | .034 | .020 | .015 | .011 |   |
| 6.0         | .176  | .122 | .084 | .151 | .106 | .073 | .104 | .074 | .052 | .061 | .044 | .031 | .020 | .014 | .010 |   |
| 7.0         | .170  | .115 | .078 | .146 | .100 | .068 | .101 | .070 | .048 | .059 | .041 | .028 | .019 | .014 | .009 |   |
| 8.0         | .164  | .110 | .073 | .141 | .095 | .063 | .097 | .067 | .045 | .057 | .039 | .027 | .018 | .013 | .009 |   |
| 9.0         | .158  | .105 | .069 | .136 | .091 | .060 | .094 | .064 | .043 | .055 | .038 | .025 | .018 | .012 | .008 |   |
| 10.0        | .153  | .100 | .066 | .132 | .087 | .057 | .091 | .061 | .041 | .053 | .036 | .024 | .017 | .012 | .008 |   |

**C Range: 0 - 360DEG**
**C Interval: 30.0DEG**
**Test Speed: HIGH**
**Temperature:25.3℃**
**Operators:Mr.Ma**
**Test Date:12 August 2024**
 **$\gamma$  Range: 0 - 180DEG**
 **$\gamma$  Interval: 1.0DEG**
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**
**Humidity:65.0%**
**Test Distance:6.100m [K=1.0000]**
**Remarks:**

**UGR(Unified Glare Rating) Table**

|   |     |                  |      |      |                |      |                |                  |      |      |      |
|---|-----|------------------|------|------|----------------|------|----------------|------------------|------|------|------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |     |                  |      |      |                |      |                |                  |      |      |      |
| NAME: LED347 (38W 3000K) Uplight on   |     |                  |      |      | TYPE: 调光双色暖白白色 |      |                | WEIGHT:          |      |      |      |
| SPEC.:  |     |                  |      |      | DIM.:          |      |                | SERIAL No.:      |      |      |      |
| MFR.:   |     |                  |      |      | 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   |     | 7.6              | 8.9  | 8.0  | 9.2            | 9.5  | 7.7            | 8.9              | 8.0  | 9.2  | 9.5  |
| 3H  |     | 8.3              | 9.5  | 8.7  | 9.8            | 10.1 | 8.5            | 9.6              | 8.8  | 9.9  | 10.3 |
| 4H  |     | 8.8              | 9.9  | 9.2  | 10.2           | 10.6 | 8.9            | 10.0             | 9.3  | 10.3 | 10.7 |
| 6H  |     | 9.2              | 10.2 | 9.6  | 10.5           | 10.9 | 9.3            | 10.4             | 9.7  | 10.7 | 11.1 |
| 8H  |     | 9.3              | 10.3 | 9.7  | 10.7           | 11.1 | 9.5            | 10.5             | 9.9  | 10.8 | 11.2 |
| 12H   |     | 9.4              | 10.4 | 9.8  | 10.8           | 11.2 | 9.6            | 10.5             | 10.0 | 10.9 | 11.3 |
| 4H 2H   |     | 7.9              | 9.0  | 8.3  | 9.3            | 9.7  | 7.9            | 9.0              | 8.3  | 9.3  | 9.7  |
| 3H  |     | 8.8              | 9.8  | 9.2  | 10.1           | 10.5 | 8.9            | 9.9              | 9.4  | 10.3 | 10.7 |
| 4H  |     | 9.4              | 10.3 | 9.8  | 10.7           | 11.1 | 9.6            | 10.5             | 10.0 | 10.9 | 11.3 |
| 6H  |     | 9.9              | 10.7 | 10.4 | 11.1           | 11.6 | 10.2           | 10.9             | 10.6 | 11.4 | 11.8 |
| 8H  |     | 10.1             | 10.9 | 10.6 | 11.3           | 11.8 | 10.4           | 11.1             | 10.9 | 11.5 | 12.0 |
| 12H   |     | 10.3             | 11.0 | 10.8 | 11.4           | 12.0 | 10.6           | 11.2             | 11.1 | 11.7 | 12.2 |
| 8H 4H   |     | 9.6              | 10.3 | 10.1 | 10.8           | 11.3 | 9.8            | 10.5             | 10.3 | 10.9 | 11.4 |
| 6H  |     | 10.3             | 10.9 | 10.8 | 11.4           | 11.9 | 10.5           | 11.1             | 11.0 | 11.6 | 12.1 |
| 8H  |     | 10.6             | 11.1 | 11.2 | 11.6           | 12.2 | 10.8           | 11.4             | 11.4 | 11.9 | 12.4 |
| 12H   |     | 10.9             | 11.3 | 11.4 | 11.9           | 12.5 | 11.1           | 11.6             | 11.7 | 12.1 | 12.7 |
| 12H 4H  |     | 9.6              | 10.3 | 10.1 | 10.7           | 11.2 | 9.8            | 10.4             | 10.3 | 10.9 | 11.4 |
| 6H  |     | 10.4             | 10.9 | 10.9 | 11.4           | 11.9 | 10.6           | 11.1             | 11.1 | 11.6 | 12.2 |
| 8H  |     | 10.7             | 11.2 | 11.3 | 11.7           | 12.3 | 11.0           | 11.4             | 11.5 | 11.9 | 12.5 |
| Variations with the observer position at spacings(CIE Pub.117):                     |     |                  |      |      |                |      |                |                  |      |      |      |
| S = 1.0H  |     | + 0.4 / - 0.4    |      |      |                |      | + 0.4 / - 0.5  |                  |      |      |      |
| 1.5H  |     | + 0.4 / - 0.3    |      |      |                |      | + 0.4 / - 0.6  |                  |      |      |      |
| 2.0H  |     | + 0.7 / - 0.7    |      |      |                |      | + 0.6 / - 0.7  |                  |      |      |      |

CIE Pub.117, 3751 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 4.6$ )  
 Area: 0.63 m2

|                                 |  |
|---------------------------------|--|
| <b>C Range: 0 - 360DEG</b>      | <b>γ Range: 0 - 180DEG</b>                               |
| <b>C Interval: 30.0DEG</b>      | <b>γ Interval: 1.0DEG</b>                                |
| <b>Test Speed: HIGH</b>         | <b>Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.459</b> |
| <b>Temperature:25.3℃</b>        | <b>Humidity:65.0%</b>                                    |
| <b>Operators:Mr.Ma</b>          | <b>Test Distance:6.100m [K=1.0000]</b>                   |
| <b>Test Date:12 August 2024</b> | <b>Remarks:</b>  |

**UTILIZATION FACTORS TABLE**

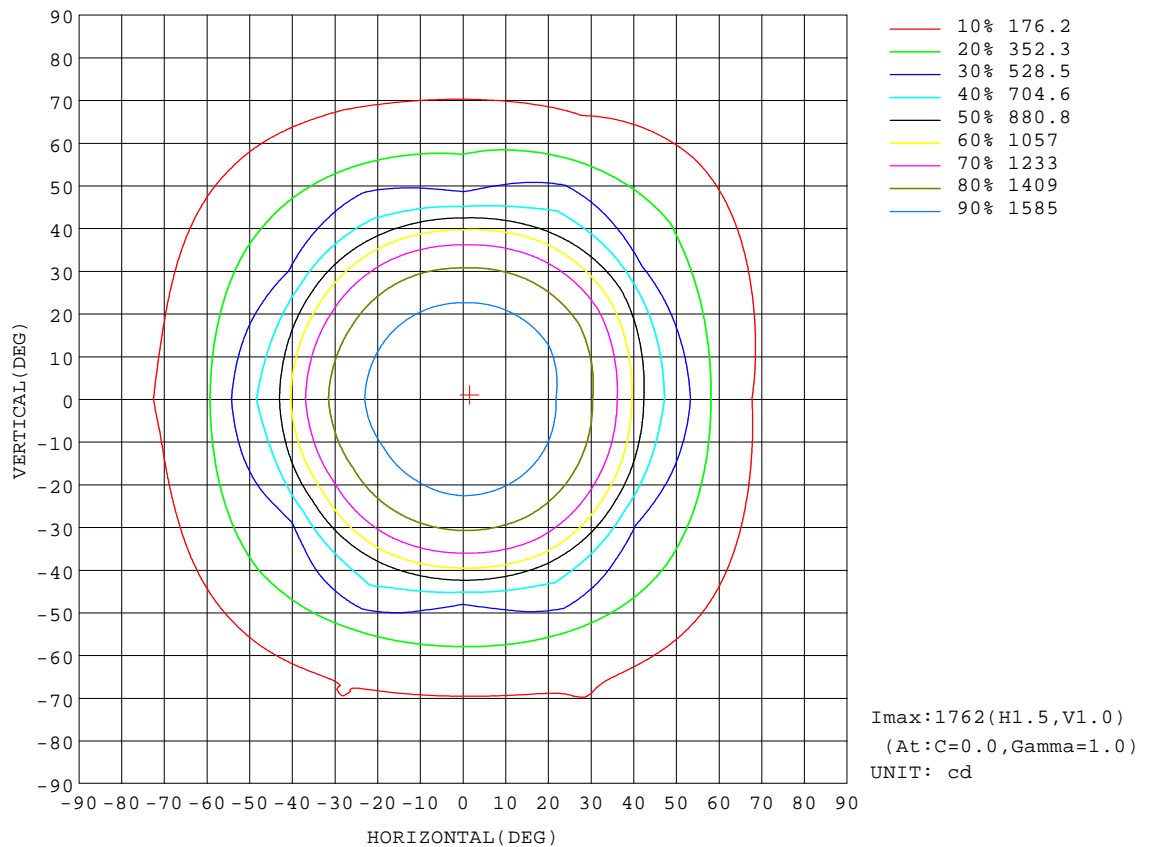
|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |

| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7   | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2   | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 65  | 55  | 49        | 64  | 55  | 49  | 63  | 54            | 48  | 43     |
| 0.80                             | 74  | 65  | 58        | 73  | 64  | 58  | 71  | 63            | 57  | 51     |
| 1.00                             | 82  | 73  | 66        | 81  | 72  | 66  | 78  | 72            | 65  | 59     |
| 1.25                             | 88  | 79  | 73        | 87  | 78  | 73  | 83  | 77            | 72  | 65     |
| 1.50                             | 93  | 84  | 78        | 91  | 83  | 78  | 87  | 81            | 76  | 69     |
| 2.00                             | 98  | 91  | 86        | 96  | 89  | 84  | 92  | 87            | 82  | 74     |
| 2.50                             | 101   | 95  | 90        | 99  | 93  | 88  | 94  | 90            | 86  | 77     |
| 3.00                             | 104   | 98  | 94        | 101 | 96  | 92  | 97  | 93            | 89  | 80     |
| 4.00                             | 107   | 102 | 98        | 104 | 100 | 97  | 100 | 96            | 93  | 83     |
| 5.00                             | 109   | 105 | 102       | 106 | 103 | 100 | 101 | 98            | 96  | 85     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

**C Range: 0 - 360DEG**
**C Interval: 30.0DEG**
**Test Speed: HIGH**
**Temperature:25.3℃**
**Operators:Mr.Ma**
**Test Date:12 August 2024**
 **$\gamma$  Range: 0 - 180DEG**
 **$\gamma$  Interval: 1.0DEG**
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**
**Humidity:65.0%**
**Test Distance:6.100m [K=1.0000]**
**Remarks:**

## ISOCANDELA DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |



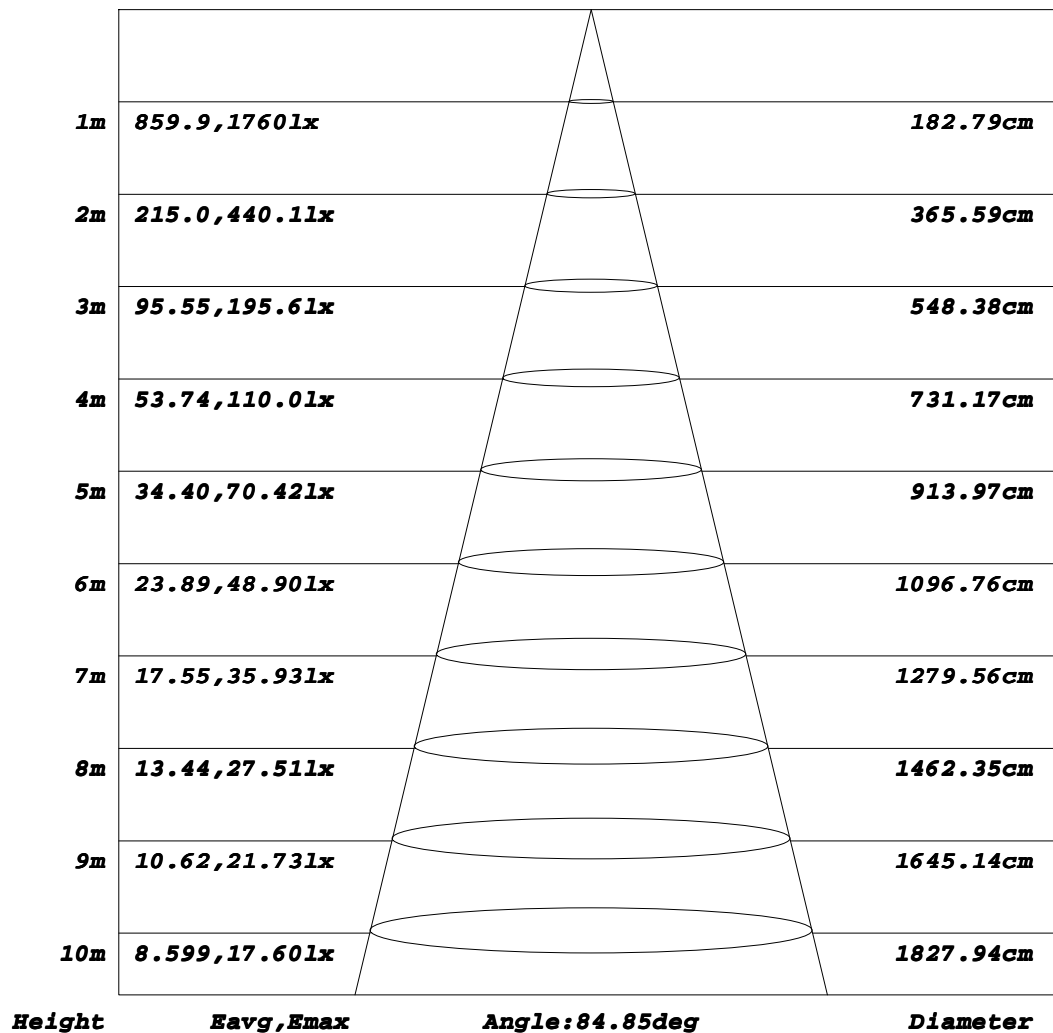
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Mr.Ma  
Test Date:12 August 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity:65.0%  
Test Distance:6.100m [K=1.0000]  
Remarks:



**AAI Figure**

|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |

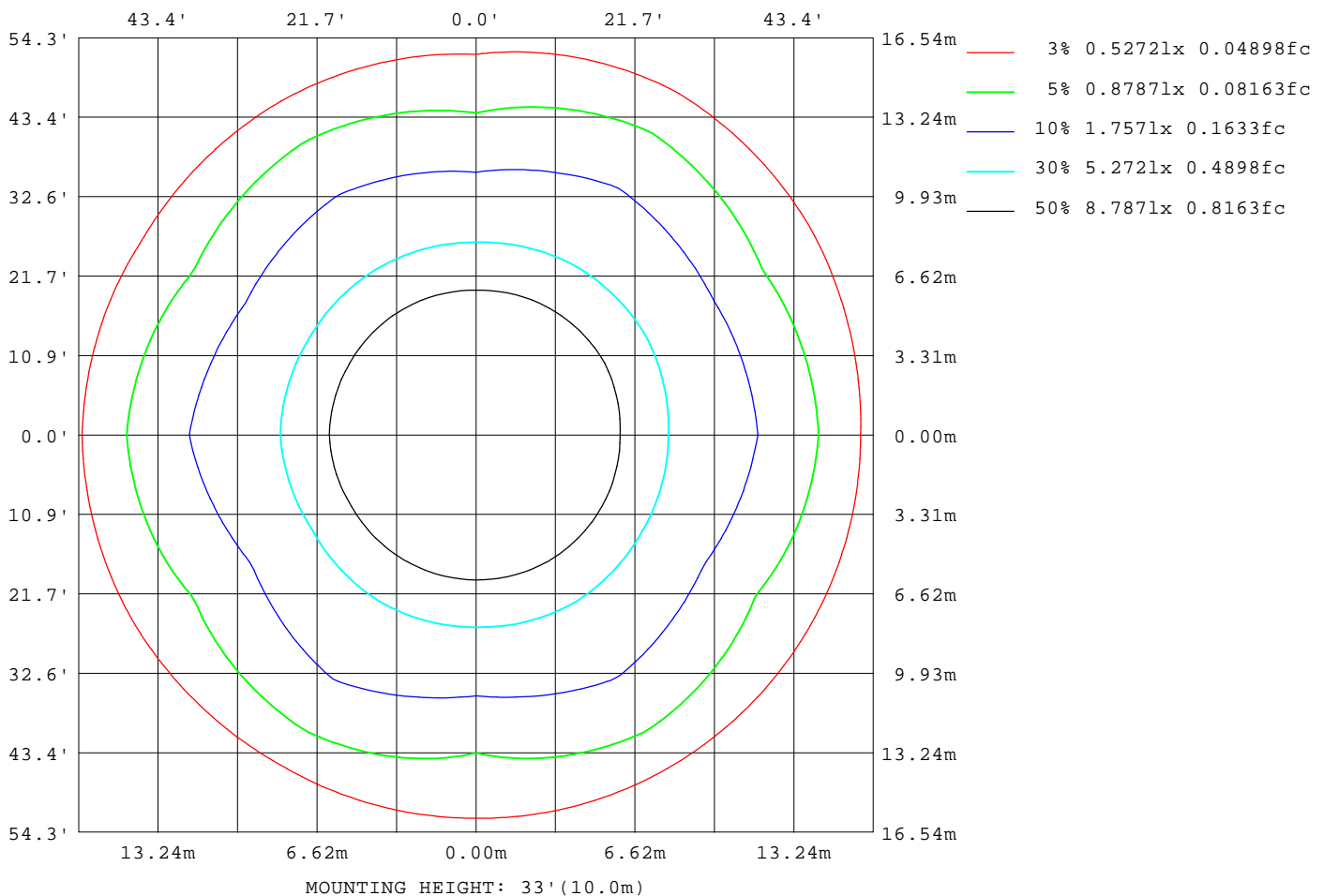
**Flux out:2349 lm**


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

**C Range: 0 - 360DEG**
**C Interval: 30.0DEG**
**Test Speed: HIGH**
**Temperature: 25.3°C**
**Operators: Mr.Ma**
**Test Date: 12 August 2024**
**γ Range: 0 - 180DEG**
**γ Interval: 1.0DEG**
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**
**Humidity: 65.0%**
**Test Distance: 6.100m [K=1.0000]**
**Remarks:**

## ISOLUX DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Mr.Ma  
Test Date: 12 August 2024

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:

### LED Avg.L Report

|   |                |                  |
|---|----------------|------------------|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |                |                  |
| NAME: LED347 (38W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |

| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 772   |
| L_0~180(75)av  | 916   |
| L_0~180(85)av  | 913   |
| L_90~270(65)av | 958   |
| L_90~270(75)av | 822   |
| L_90~270(85)av | 844   |
| L_45(65)av     | 873   |
| L_45(75)av     | 859   |
| L_45(85)av     | 878   |

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**

**C Interval: 30.0DEG**

**Test Speed: HIGH**

**Temperature:25.3℃**

**Operators:Mr.Ma**

**Test Date:12 August 2024**

**γ Range: 0 - 180DEG**

**γ Interval: 1.0DEG**

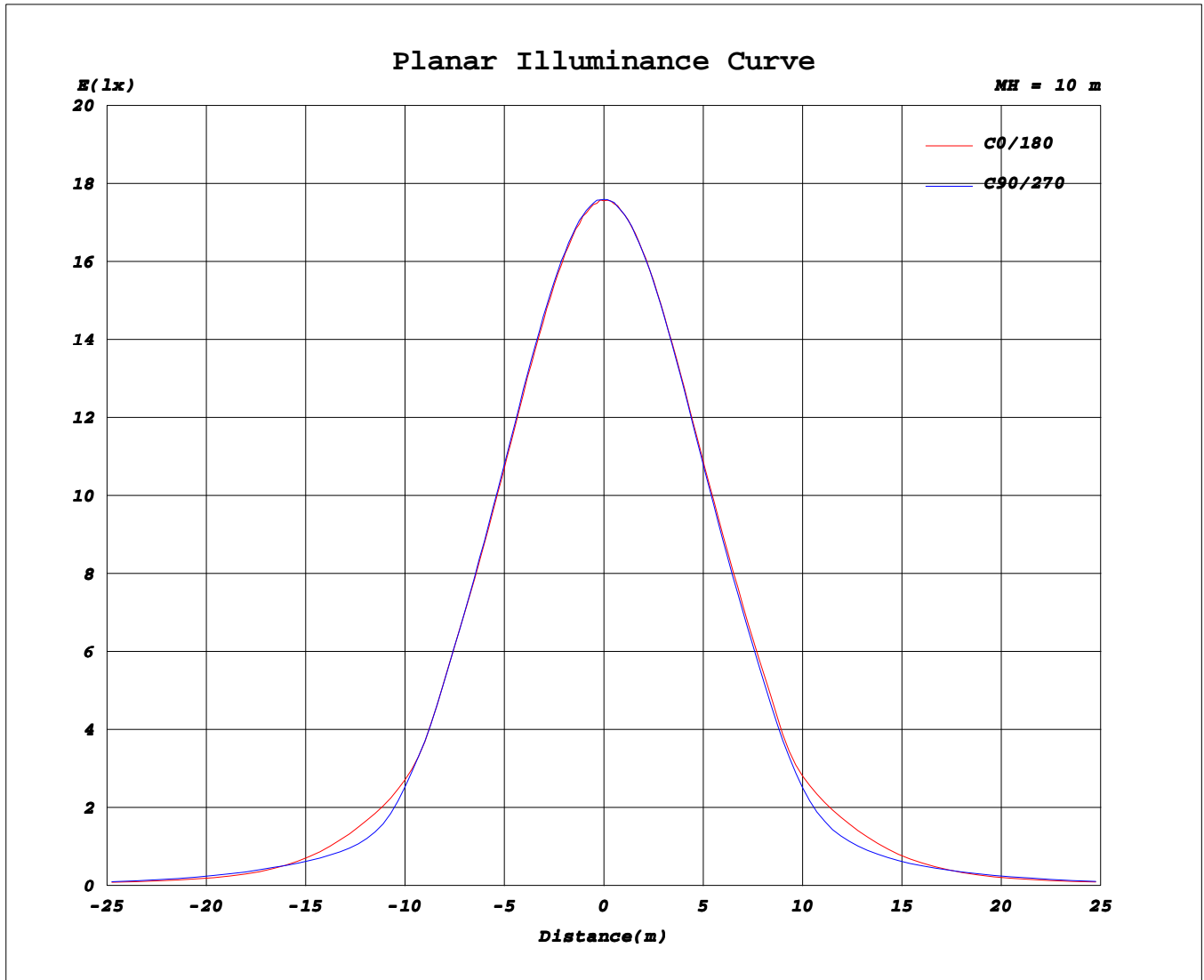
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**

**Humidity:65.0%**

**Test Distance:6.100m [K=1.0000]**

**Remarks:**

## Planar Illuminance Curve



C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature: 25.3°C

Operators: Mr. Ma

Test Date: 12 August 2024

 $\gamma$  Range: 0 - 180DEG $\gamma$  Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity: 65.0%

Test Distance: 6.100m [K=1.0000]

Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

|   |  |  |  |  |  |  |  |  |                |  |  |  |  |  |                  |  |  |
|---|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|------------------|--|--|
| Test:U:230.04V I:0.1593A P:35.752W PF:0.9756 Freq:50.00Hz<br>Lamp Flux:3751.15x1 lm |  |  |  |  |  |  |  |  |                |  |  |  |  |  |                  |  |  |
| NAME: LED347 (38W 3000K) Uplight on   |  |  |  |  |  |  |  |  | TYPE: 调光双色暖白白色 |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.:  |  |  |  |  |  |  |  |  | DIM.:          |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.:   |  |  |  |  |  |  |  |  | SUR.:          |  |  |  |  |  | Shielding Angle: |  |  |

Table--1

UNIT: cd

| C(°) \ γ (°) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0            | 1759 | 1759 | 1759 | 1759 | 1759 | 1759 | 1759 | 1759 | 1759 | 1759 | 1759 | 1759 |  |  |  |  |  |  |
| 5            | 1747 | 1749 | 1749 | 1750 | 1749 | 1747 | 1753 | 1752 | 1750 | 1750 | 1752 | 1753 |  |  |  |  |  |  |
| 10           | 1720 | 1724 | 1724 | 1726 | 1722 | 1719 | 1730 | 1728 | 1726 | 1726 | 1730 | 1731 |  |  |  |  |  |  |
| 15           | 1676 | 1681 | 1684 | 1685 | 1678 | 1676 | 1691 | 1688 | 1687 | 1685 | 1690 | 1692 |  |  |  |  |  |  |
| 20           | 1614 | 1621 | 1624 | 1625 | 1616 | 1612 | 1634 | 1629 | 1626 | 1624 | 1632 | 1638 |  |  |  |  |  |  |
| 25           | 1531 | 1537 | 1542 | 1542 | 1531 | 1525 | 1554 | 1546 | 1543 | 1540 | 1552 | 1560 |  |  |  |  |  |  |
| 30           | 1419 | 1426 | 1434 | 1430 | 1419 | 1411 | 1450 | 1435 | 1435 | 1427 | 1447 | 1456 |  |  |  |  |  |  |
| 35           | 1273 | 1271 | 1291 | 1273 | 1270 | 1248 | 1305 | 1285 | 1282 | 1275 | 1300 | 1319 |  |  |  |  |  |  |
| 40           | 1028 | 1017 | 1063 | 1028 | 1027 | 972  | 1086 | 1036 | 1046 | 1036 | 1093 | 1097 |  |  |  |  |  |  |
| 45           | 770  | 695  | 767  | 717  | 779  | 681  | 797  | 728  | 749  | 712  | 805  | 822  |  |  |  |  |  |  |
| 50           | 634  | 478  | 625  | 457  | 641  | 472  | 665  | 500  | 599  | 481  | 655  | 545  |  |  |  |  |  |  |
| 55           | 464  | 389  | 458  | 378  | 456  | 406  | 502  | 402  | 449  | 383  | 501  | 417  |  |  |  |  |  |  |
| 60           | 292  | 330  | 294  | 329  | 284  | 336  | 330  | 333  | 310  | 323  | 346  | 354  |  |  |  |  |  |  |
| 65           | 198  | 245  | 203  | 248  | 193  | 239  | 213  | 255  | 219  | 262  | 225  | 279  |  |  |  |  |  |  |
| 70           | 167  | 162  | 180  | 170  | 176  | 161  | 183  | 176  | 178  | 180  | 173  | 193  |  |  |  |  |  |  |
| 75           | 139  | 123  | 149  | 134  | 148  | 132  | 159  | 140  | 146  | 134  | 153  | 131  |  |  |  |  |  |  |
| 80           | 87.2 | 85.3 | 88.8 | 90.7 | 86.2 | 84.5 | 96.4 | 96.3 | 92.5 | 93.7 | 97.4 | 101  |  |  |  |  |  |  |
| 85           | 42.0 | 44.2 | 50.0 | 44.7 | 42.2 | 38.6 | 58.2 | 48.0 | 51.4 | 48.0 | 54.5 | 57.0 |  |  |  |  |  |  |
| 90           | 1.23 | 1.18 | 1.25 | 1.18 | 1.18 | 1.27 | 3.36 | 1.46 | 1.30 | 1.33 | 2.95 | 5.12 |  |  |  |  |  |  |
| 95           | 3.89 | 3.45 | 3.39 | 3.42 | 3.73 | 4.17 | 3.10 | 3.27 | 3.47 | 3.55 | 2.75 | 2.73 |  |  |  |  |  |  |
| 100          | 8.20 | 8.05 | 7.94 | 7.78 | 8.72 | 9.07 | 7.28 | 7.54 | 7.75 | 7.90 | 6.93 | 6.87 |  |  |  |  |  |  |
| 105          | 14.1 | 14.5 | 13.8 | 13.7 | 15.0 | 15.1 | 13.1 | 14.1 | 13.7 | 13.8 | 13.3 | 12.2 |  |  |  |  |  |  |
| 110          | 20.6 | 21.0 | 20.3 | 20.2 | 21.5 | 21.6 | 19.7 | 20.8 | 20.2 | 20.1 | 19.7 | 18.6 |  |  |  |  |  |  |
| 115          | 26.8 | 27.1 | 26.5 | 26.3 | 27.7 | 27.6 | 26.0 | 26.8 | 26.3 | 26.2 | 25.9 | 25.0 |  |  |  |  |  |  |
| 120          | 32.0 | 31.9 | 31.3 | 31.8 | 32.9 | 32.7 | 30.7 | 31.5 | 31.3 | 30.7 | 30.5 | 30.0 |  |  |  |  |  |  |
| 125          | 36.8 | 36.9 | 36.3 | 36.9 | 37.8 | 38.0 | 35.6 | 36.3 | 36.0 | 35.6 | 35.2 | 34.8 |  |  |  |  |  |  |
| 130          | 41.3 | 41.4 | 41.1 | 41.5 | 42.4 | 42.6 | 40.2 | 40.7 | 40.4 | 40.0 | 39.5 | 39.2 |  |  |  |  |  |  |
| 135          | 45.4 | 45.6 | 45.5 | 45.8 | 46.4 | 46.7 | 44.4 | 44.9 | 44.5 | 44.1 | 43.6 | 43.3 |  |  |  |  |  |  |
| 140          | 49.0 | 49.4 | 49.2 | 49.5 | 50.0 | 50.2 | 48.1 | 48.5 | 48.2 | 47.7 | 47.1 | 46.8 |  |  |  |  |  |  |
| 145          | 52.2 | 52.6 | 52.5 | 52.6 | 53.0 | 53.1 | 51.4 | 51.6 | 51.5 | 51.0 | 50.2 | 49.9 |  |  |  |  |  |  |
| 150          | 54.9 | 55.1 | 55.1 | 55.2 | 55.6 | 55.6 | 54.2 | 54.2 | 54.2 | 53.9 | 52.8 | 52.4 |  |  |  |  |  |  |
| 155          | 57.5 | 57.3 | 57.5 | 57.5 | 58.0 | 58.0 | 56.7 | 56.6 | 56.5 | 56.4 | 55.2 | 54.8 |  |  |  |  |  |  |
| 160          | 65.3 | 65.0 | 65.2 | 65.0 | 65.5 | 65.6 | 63.2 | 63.0 | 63.1 | 63.0 | 61.7 | 61.3 |  |  |  |  |  |  |
| 165          | 71.7 | 71.6 | 71.8 | 71.6 | 71.5 | 72.2 | 70.7 | 70.5 | 70.3 | 70.3 | 69.3 | 69.1 |  |  |  |  |  |  |
| 170          | 75.7 | 75.7 | 75.7 | 74.9 | 75.1 | 75.6 | 74.9 | 74.4 | 74.4 | 74.4 | 73.6 | 73.3 |  |  |  |  |  |  |
| 175          | 78.3 | 78.4 | 78.4 | 77.9 | 77.7 | 77.6 | 77.8 | 77.7 | 77.3 | 77.3 | 76.5 | 76.3 |  |  |  |  |  |  |
| 180          | 79.6 | 79.7 | 79.0 | 79.0 | 78.7 | 78.2 | 79.6 | 79.7 | 79.0 | 79.0 | 78.7 | 78.2 |  |  |  |  |  |  |

C Range: 0 - 360DEG

C Interval: 30.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Mr.Ma

Test Date:12 August 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459

Humidity:65.0%

Test Distance:6.100m [K=1.0000]

Remarks: