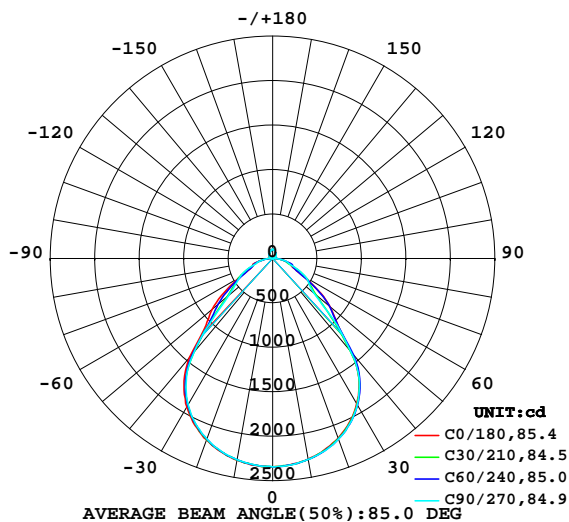


## LUMINAIRE PHOTOMETRIC TEST REPORT

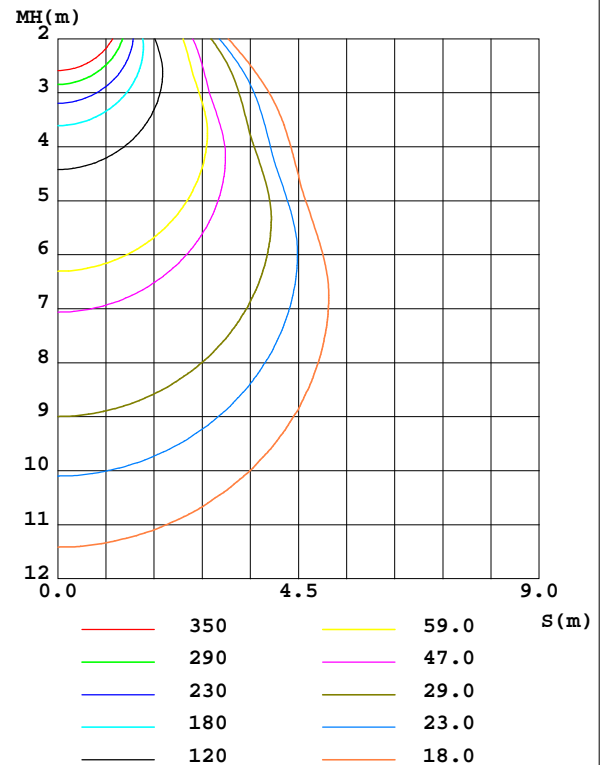
|   |                |                  |
|---|----------------|------------------|
| Test:U:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA |        |                        |          | Eff: 102.38 lm/W |
|------------------|---------|------------------|--------|------------------------|----------|------------------|
| MODEL            |         | Imax(cd)         | 2346   | S/MH(C0/180)           | 1.23     |                  |
| NOMINAL POWER(W) | 55      | LOR(%)           | 100.0  | S/MH(C90/270)          | 1.21     |                  |
| RATED VOLTAGE(V) | 230     | TOTAL FLUX(lm)   | 4996.4 | $\eta$ UP,DN(C0-180)   | 2.7,46.7 |                  |
| NOMINAL FLUX(lm) | 4996.37 | CIE CLASS        | DIRECT | $\eta$ UP,DN(C180-360) | 2.6,48.1 |                  |
| LAMPS INSIDE     | 1       | $\eta$ up(%)     | 5.2    | CIBSE SHR NOM          | 1.25     |                  |
| TEST VOLTAGE(V)  | 229.5   | $\eta$ down(%)   | 94.8   | 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       | 2292                  | 2296  | 2296  | 2291  | 2304  | 2300  | 2298  | 2303  | 0- 10    | 221.5       | 221.5        | 4.43,4.43 |
| 20       | 2152                  | 2160  | 2164  | 2150  | 2174  | 2166  | 2163  | 2175  | 10- 20   | 632.6       | 854.1        | 17.1,17.1 |
| 30       | 1892                  | 1904  | 1903  | 1885  | 1929  | 1910  | 1901  | 1931  | 20- 30   | 944.0       | 1798         | 36,36     |
| 40       | 1375                  | 1385  | 1376  | 1336  | 1455  | 1391  | 1381  | 1460  | 30- 40   | 1057        | 2855         | 57.1,57.1 |
| 50       | 842.8                 | 733.7 | 608.2 | 741.6 | 883.9 | 733.3 | 644.8 | 800.3 | 40- 50   | 786.2       | 3641         | 72.9,72.9 |
| 60       | 390.9                 | 414.6 | 438.4 | 414.5 | 438.6 | 428.5 | 430.6 | 465.6 | 50- 60   | 519.7       | 4161         | 83.3,83.3 |
| 70       | 221.8                 | 227.3 | 225.8 | 225.1 | 243.1 | 235.8 | 240.2 | 243.5 | 60- 70   | 312.4       | 4473         | 89.5,89.5 |
| 80       | 115.8                 | 115.9 | 122.0 | 113.9 | 130.0 | 127.2 | 125.0 | 133.3 | 70- 80   | 193.5       | 4667         | 93.4,93.4 |
| 90       | 1.653                 | 1.616 | 1.568 | 1.638 | 4.320 | 1.845 | 1.776 | 5.291 | 80- 90   | 67.63       | 4735         | 94.8,94.8 |
| 100      | 10.96                 | 10.64 | 10.35 | 11.78 | 9.505 | 10.13 | 10.48 | 9.150 | 90-100   | 5.474       | 4740         | 94.9,94.9 |
| 110      | 27.31                 | 27.32 | 26.68 | 28.49 | 25.88 | 27.06 | 26.58 | 25.42 | 100-110  | 19.43       | 4760         | 95.3,95.3 |
| 120      | 42.43                 | 41.75 | 42.06 | 43.33 | 40.38 | 41.43 | 40.54 | 40.03 | 110-120  | 34.35       | 4794         | 95.9,95.9 |
| 130      | 54.71                 | 54.54 | 54.90 | 56.17 | 52.97 | 53.48 | 52.79 | 52.10 | 120-130  | 42.88       | 4837         | 96.8,96.8 |
| 140      | 65.00                 | 65.17 | 65.44 | 66.22 | 63.57 | 63.71 | 62.95 | 62.15 | 130-140  | 45.86       | 4883         | 97.7,97.7 |
| 150      | 73.09                 | 72.79 | 72.93 | 73.50 | 71.54 | 71.52 | 70.95 | 69.69 | 140-150  | 42.83       | 4925         | 98.6,98.6 |
| 160      | 86.24                 | 85.93 | 85.93 | 86.67 | 82.90 | 83.21 | 83.18 | 81.28 | 150-160  | 35.08       | 4961         | 99.3,99.3 |
| 170      | 99.85                 | 100.0 | 99.10 | 99.45 | 99.22 | 98.43 | 98.27 | 97.14 | 160-170  | 26.17       | 4987         | 99.8,99.8 |
| 180      | 105.3                 | 104.9 | 104.5 | 103.7 | 105.4 | 104.8 | 104.4 | 103.6 | 170-180  | 9.672       | 4996         | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT: lm    |              |           |

Conical surface Flux(90deg): 3292.6 lm

%lum = 65.9%

%lamp = 65.9%

Conical surface Flux(130deg): 4338 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:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz  
Lamp Flux:4996.37x1 lm

NAME: LED347 (55W 3000K) Uplight on

TYPE: 调光双色暖白白色

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

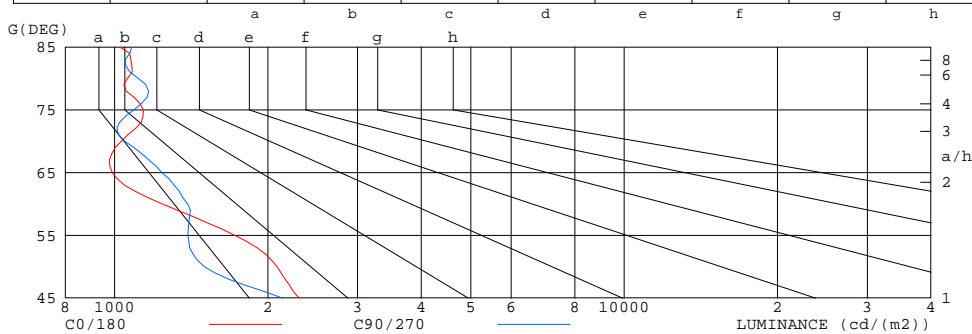
MFR.:

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      | 1026   | 1080    |
| 80      | 1060   | 1115    |
| 75      | 1139   | 1091    |
| 70      | 1031   | 1048    |
| 65      | 990    | 1239    |
| 60      | 1243   | 1391    |
| 55      | 1724   | 1393    |
| 50      | 2084   | 1502    |
| 45      | 2305   | 2138    |

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%

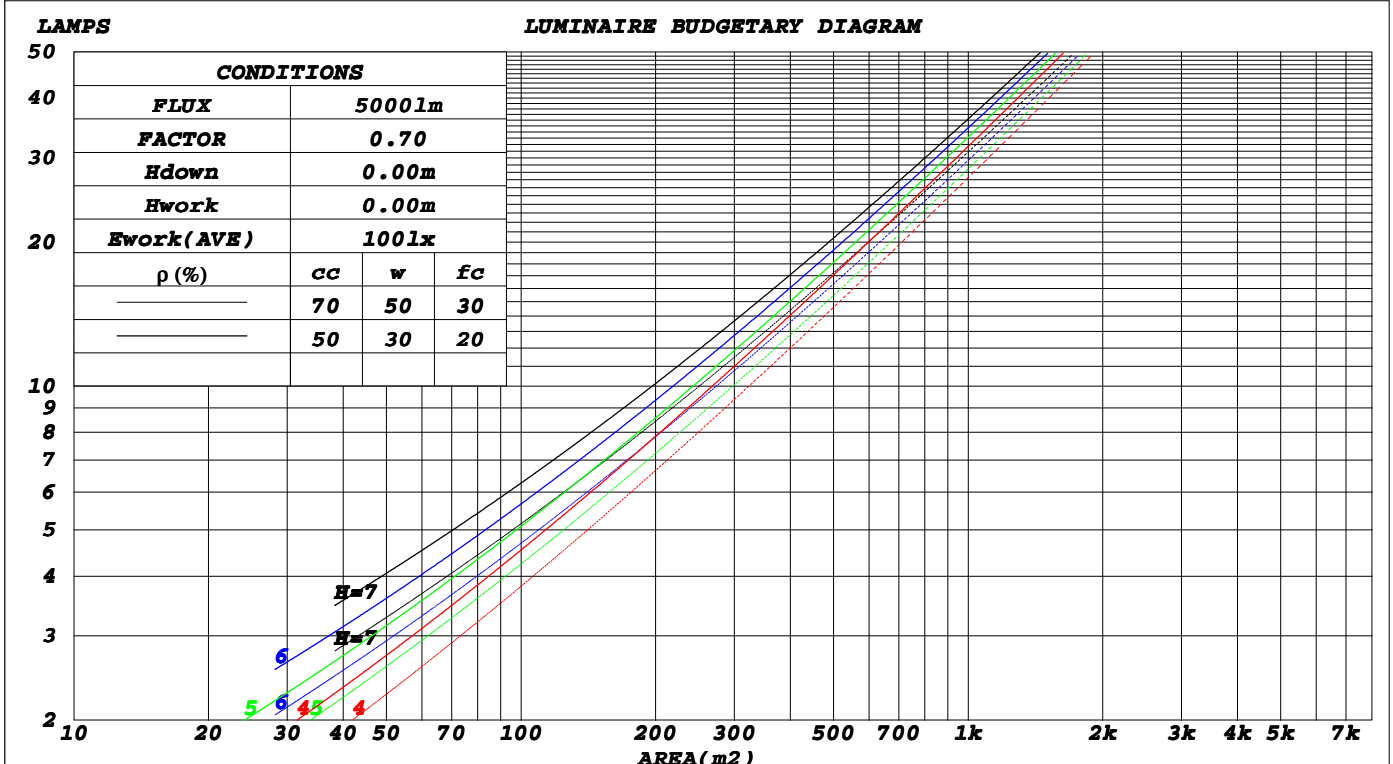
Test Distance: 6.100m [K=1.0000]

Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 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  | .44 | .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:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 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 | .256 | .146 | .046 | .240 | .137 | .044 | .225 | .130 | .042 | .211 | .123 | .039 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0         | .250                  | .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 | .169 | .088 | .026 | .161 | .085 | .025 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0         | .179                  | .089 | .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 | .072 | .020 | .137 | .069 | .020 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0        | .151                  | .072 | .020 | .147 | .071 | .020 | .141 | .069 | .019 | .136 | .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         | .230  | .230 | .230 | .197 | .197 | .197 | .134 | .134 | .134 | .077 | .077 | .077 | .025 | .025 | .025 |   |
| 1.0         | .217  | .197 | .178 | .186 | .169 | .153 | .127 | .116 | .106 | .073 | .067 | .062 | .023 | .022 | .020 |   |
| 2.0         | .207  | .173 | .144 | .177 | .149 | .124 | .122 | .103 | .087 | .070 | .060 | .051 | .022 | .019 | .017 |   |
| 3.0         | .198  | .155 | .120 | .170 | .134 | .104 | .117 | .093 | .073 | .067 | .054 | .043 | .022 | .018 | .014 |   |
| 4.0         | .190  | .141 | .104 | .163 | .122 | .090 | .112 | .085 | .064 | .065 | .050 | .038 | .021 | .016 | .012 |   |
| 5.0         | .183  | .131 | .092 | .157 | .113 | .080 | .108 | .079 | .057 | .063 | .046 | .034 | .020 | .015 | .011 |   |
| 6.0         | .176  | .122 | .084 | .151 | .106 | .073 | .104 | .074 | .052 | .060 | .044 | .031 | .019 | .014 | .010 |   |
| 7.0         | .169  | .115 | .077 | .146 | .100 | .067 | .101 | .070 | .048 | .058 | .041 | .028 | .019 | .013 | .009 |   |
| 8.0         | .163  | .109 | .072 | .141 | .095 | .063 | .097 | .067 | .045 | .057 | .039 | .027 | .018 | .013 | .009 |   |
| 9.0         | .158  | .104 | .068 | .136 | .091 | .060 | .094 | .064 | .042 | .055 | .038 | .025 | .018 | .012 | .008 |   |
| 10.0        | .153  | .100 | .065 | .131 | .087 | .057 | .091 | .061 | .040 | .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:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                  |      |      |      |                |                |      |                  |      |      |
| NAME: LED347 (55W 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   | 7.7              | 8.9  | 8.0  | 9.2  | 9.5            | 7.6            | 8.9  | 8.0              | 9.2  | 9.5  |
| 3H  | 8.3              | 9.5  | 8.7  | 9.8  | 10.2           | 8.4            | 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  | 10.6 | 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 | 9.9  | 10.8 | 11.2           | 9.6            | 10.5 | 10.0             | 10.9 | 11.3 |
| 4H 2H   | 7.9              | 9.0  | 8.3  | 9.4  | 9.7            | 7.9            | 9.0  | 8.2              | 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            | 10.4 | 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  | 10.2             | 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 | 11.5 | 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             | 11.2 | 11.2 | 11.7 | 12.2           | 10.8           | 11.4 | 11.4             | 11.9 | 12.4 |
| 12H   | 10.9             | 11.4 | 11.5 | 11.9 | 12.5           | 11.1           | 11.6 | 11.7             | 12.1 | 12.7 |
| 12H 4H  | 9.6              | 10.3 | 10.1 | 10.8 | 11.3           | 9.8            | 10.4 | 10.3             | 10.9 | 11.4 |
| 6H  | 10.4             | 10.9 | 10.9 | 11.4 | 12.0           | 10.6           | 11.1 | 11.1             | 11.6 | 12.2 |
| 8H  | 10.8             | 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    |      |      |      |                | + 0.7 / - 0.8  |      |                  |      |      |

CIE Pub.117, 4996 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 5.6$ )  
Area: 0.63 m2

**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:**

**UTILIZATION FACTORS TABLE**

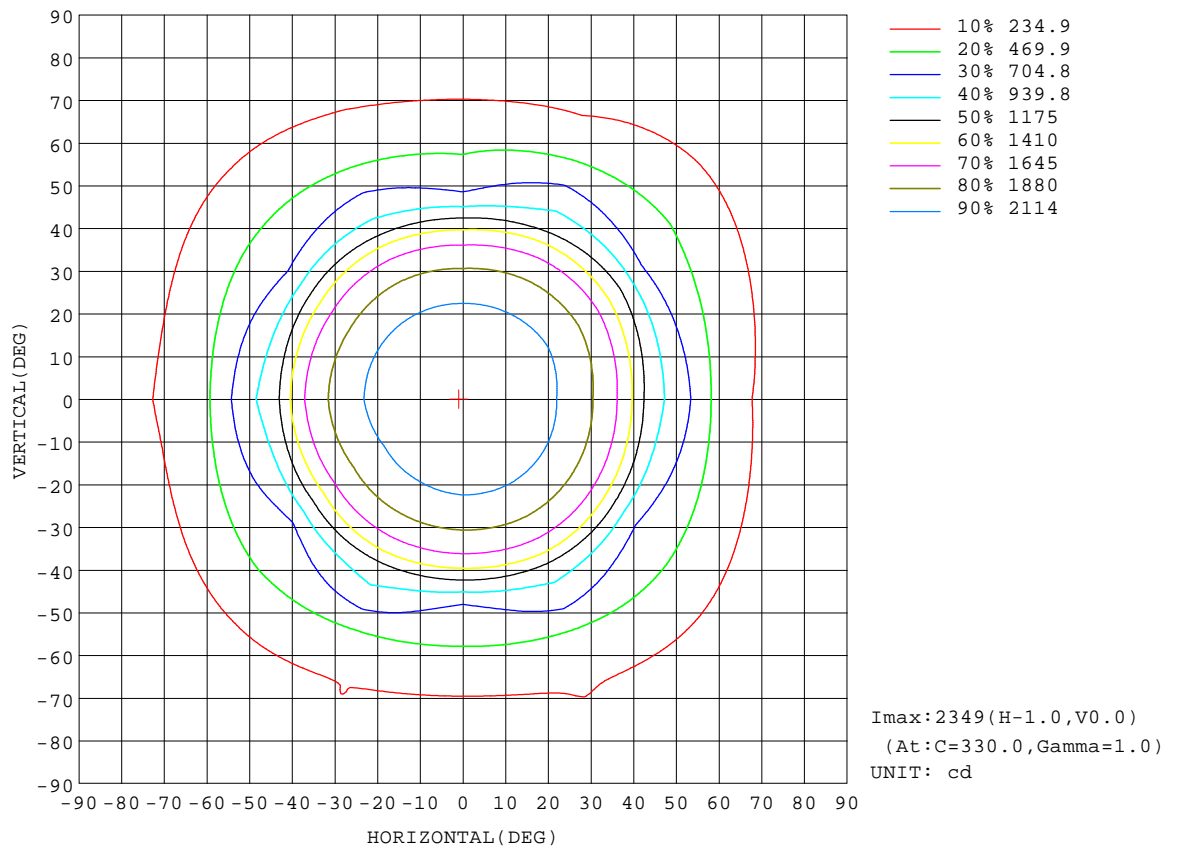
|   |                |                  |
|---|----------------|------------------|
| Test:U:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | 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  | 84  | 77           | 72  | 65     |
| 1.50                             | 93  | 84  | 78        | 91  | 83  | 78  | 87  | 81           | 76  | 69     |
| 2.00                             | 98  | 91  | 86        | 96  | 89  | 85  | 92  | 87           | 82  | 74     |
| 2.50                             | 101   | 95  | 90        | 99  | 93  | 88  | 95  | 90           | 86  | 77     |
| 3.00                             | 104   | 98  | 94        | 101 | 96  | 92  | 97  | 93           | 89  | 80     |
| 4.00                             | 107   | 102 | 99        | 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 |     |     |     |     | SHRNM = 1.25 |     |        |

**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:**

## ISOCANDELA DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 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

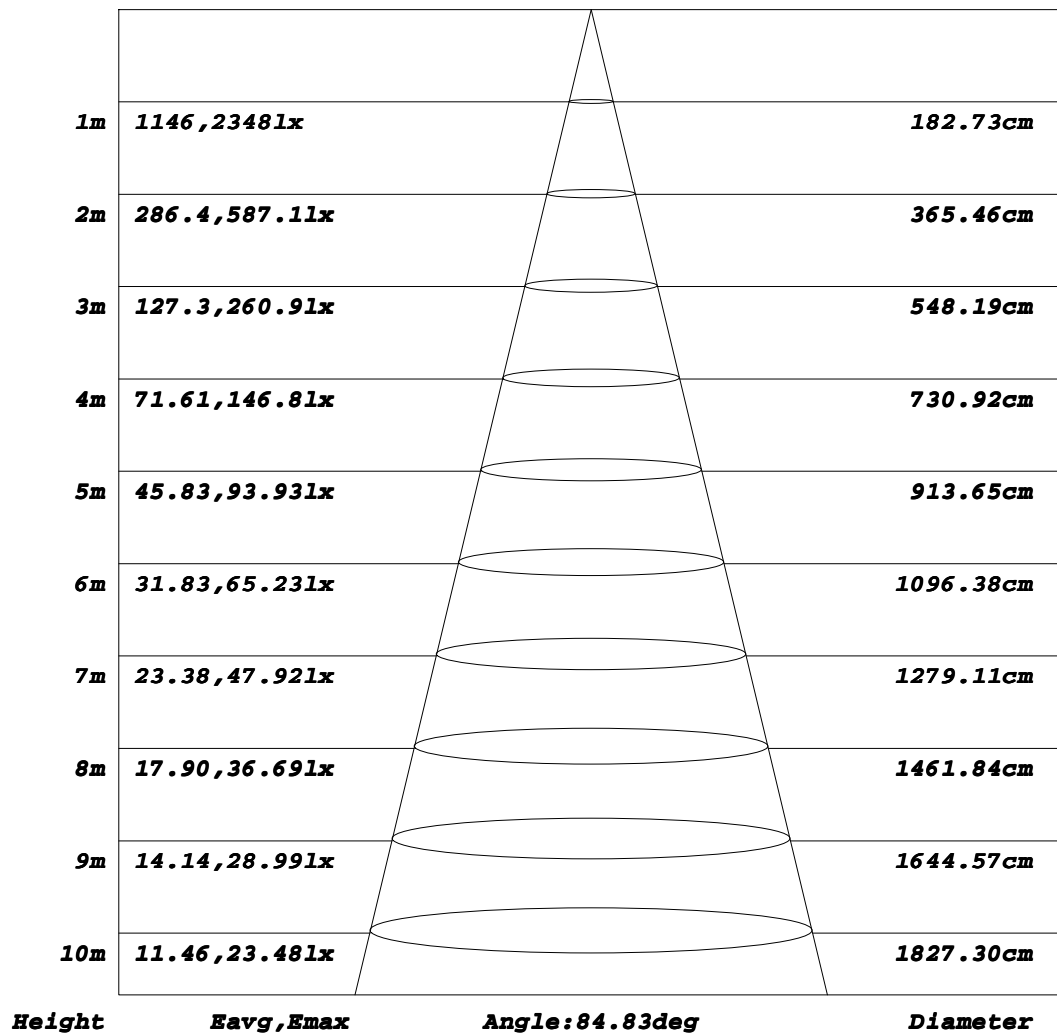
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.459  
Humidity: 65.0%  
Test Distance: 6.100m [K=1.0000]  
Remarks:



**AAI Figure**

|   |                |                  |
|---|----------------|------------------|
| Test:U:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 3000K) Uplight on   | TYPE: 调光双色暖白白色 | WEIGHT:          |
| SPEC.:  | DIM.:          | SERIAL No.:      |
| MFR.:   | SUR.:          | Shielding Angle: |

**Flux out:3130 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**

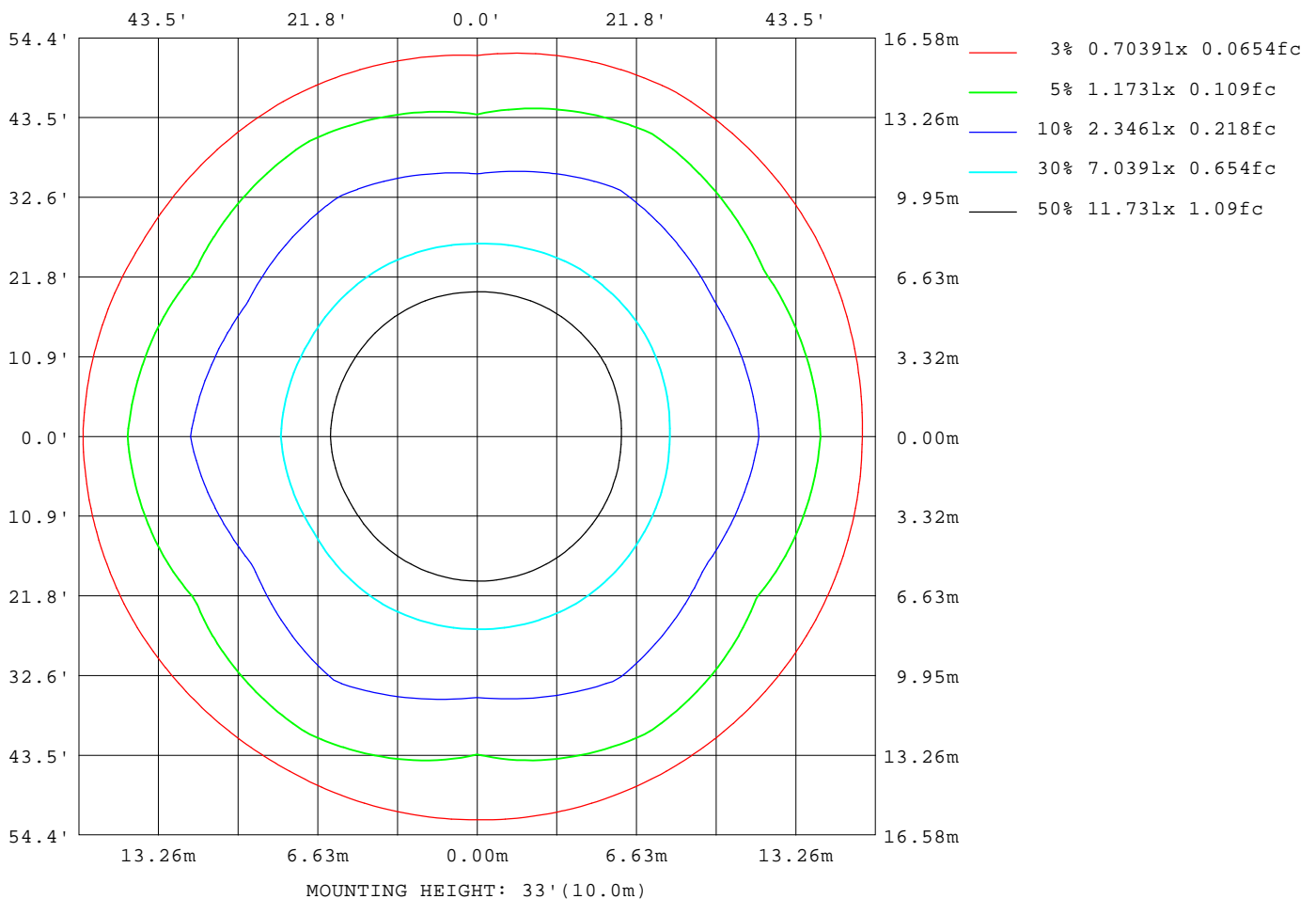
**Humidity: 65.0%**

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

**Remarks:**

## ISOLUX DIAGRAM

|   |                |                  |
|---|----------------|------------------|
| Test:U:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 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:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |                |                  |
| NAME: LED347 (55W 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  | 1028  |
| L_0~180(75)av  | 1220  |
| L_0~180(85)av  | 1217  |
| L_90~270(65)av | 1275  |
| L_90~270(75)av | 1095  |
| L_90~270(85)av | 1134  |
| L_45(65)av     | 1165  |
| L_45(75)av     | 1145  |
| L_45(85)av     | 1178  |

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**

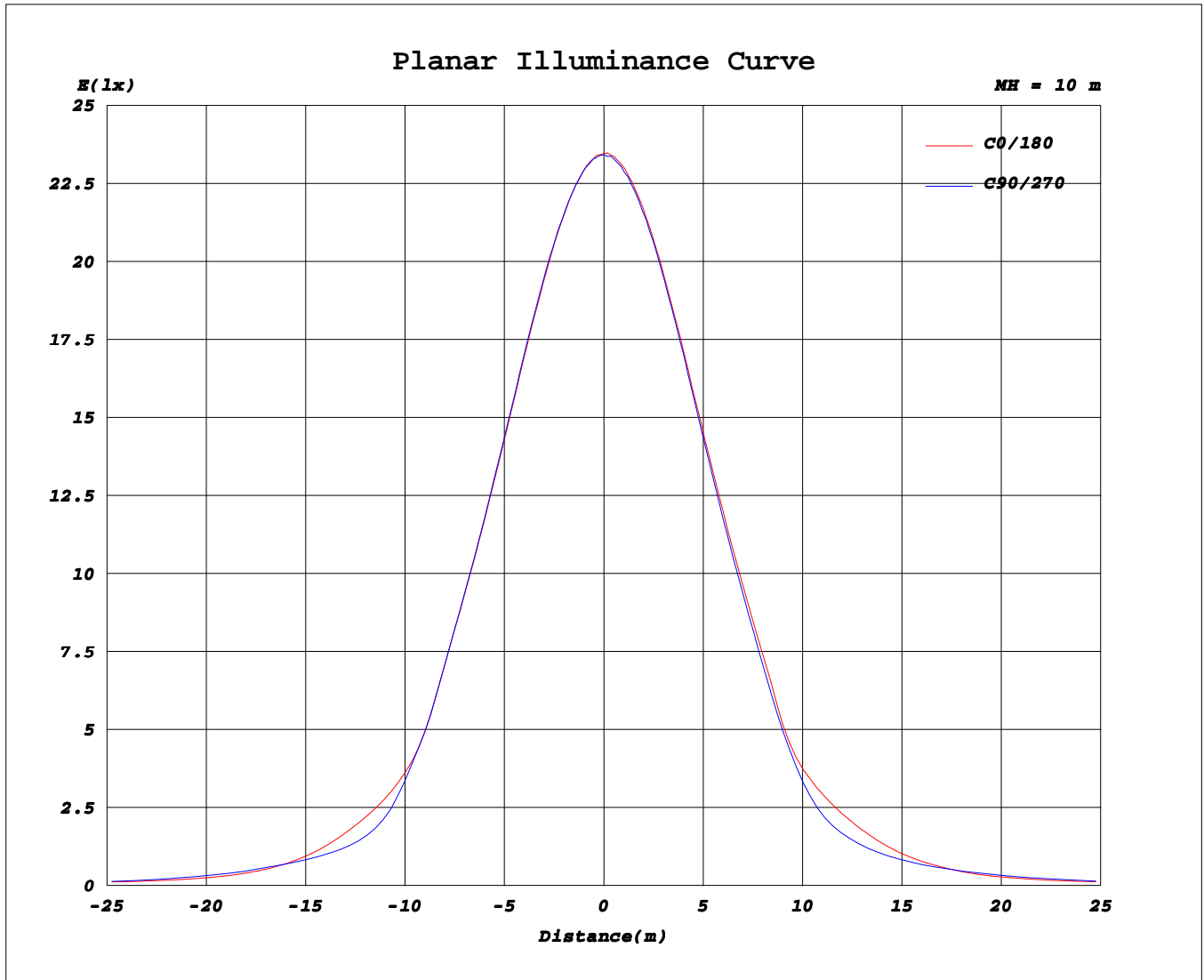
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.459**

**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:229.88V I:0.2176A P:48.803W PF:0.9757 Freq:50.00Hz<br>Lamp Flux:4996.37x1 lm |  |  |  |  |  |  |  |  |                |  |  |  |  |                  |  |  |  |  |
| NAME: LED347 (55W 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            | 2343 | 2343 | 2343  | 2343 | 2343 | 2343 | 2343 | 2343 | 2343 | 2343 | 2343 | 2343 |  |  |  |  |  |  |
| 5            | 2329 | 2330 | 2330  | 2330 | 2329 | 2328 | 2335 | 2331 | 2331 | 2331 | 2334 | 2334 |  |  |  |  |  |  |
| 10           | 2292 | 2295 | 2297  | 2296 | 2292 | 2291 | 2304 | 2301 | 2299 | 2298 | 2302 | 2304 |  |  |  |  |  |  |
| 15           | 2232 | 2238 | 2243  | 2244 | 2235 | 2233 | 2251 | 2247 | 2247 | 2244 | 2251 | 2253 |  |  |  |  |  |  |
| 20           | 2152 | 2158 | 2163  | 2164 | 2152 | 2148 | 2174 | 2167 | 2165 | 2163 | 2171 | 2179 |  |  |  |  |  |  |
| 25           | 2039 | 2047 | 2054  | 2052 | 2038 | 2034 | 2069 | 2058 | 2056 | 2052 | 2065 | 2075 |  |  |  |  |  |  |
| 30           | 1892 | 1899 | 1909  | 1903 | 1890 | 1881 | 1929 | 1909 | 1912 | 1901 | 1924 | 1938 |  |  |  |  |  |  |
| 35           | 1695 | 1703 | 1718  | 1703 | 1693 | 1673 | 1743 | 1709 | 1716 | 1699 | 1739 | 1755 |  |  |  |  |  |  |
| 40           | 1375 | 1357 | 1413  | 1376 | 1370 | 1302 | 1455 | 1378 | 1403 | 1381 | 1461 | 1458 |  |  |  |  |  |  |
| 45           | 1025 | 925  | 1021  | 953  | 1037 | 905  | 1060 | 968  | 998  | 946  | 1069 | 1095 |  |  |  |  |  |  |
| 50           | 843  | 636  | 832   | 608  | 853  | 630  | 884  | 668  | 798  | 645  | 871  | 730  |  |  |  |  |  |  |
| 55           | 622  | 518  | 611   | 504  | 612  | 542  | 667  | 535  | 598  | 510  | 666  | 555  |  |  |  |  |  |  |
| 60           | 391  | 439  | 390   | 438  | 380  | 449  | 439  | 444  | 413  | 431  | 460  | 471  |  |  |  |  |  |  |
| 65           | 263  | 325  | 270   | 330  | 259  | 319  | 284  | 340  | 291  | 349  | 300  | 372  |  |  |  |  |  |  |
| 70           | 222  | 215  | 240   | 226  | 236  | 214  | 243  | 235  | 237  | 240  | 230  | 257  |  |  |  |  |  |  |
| 75           | 185  | 164  | 198   | 178  | 197  | 177  | 212  | 187  | 196  | 179  | 204  | 174  |  |  |  |  |  |  |
| 80           | 116  | 114  | 118   | 122  | 115  | 113  | 130  | 128  | 126  | 125  | 132  | 135  |  |  |  |  |  |  |
| 85           | 56.2 | 58.7 | 67.9  | 59.3 | 56.5 | 51.5 | 77.4 | 65.1 | 68.8 | 65.3 | 72.1 | 76.8 |  |  |  |  |  |  |
| 90           | 1.65 | 1.57 | 1.66  | 1.57 | 1.58 | 1.70 | 4.32 | 1.95 | 1.74 | 1.78 | 3.58 | 7.00 |  |  |  |  |  |  |
| 95           | 5.24 | 4.60 | 4.49  | 4.53 | 4.93 | 5.54 | 4.11 | 4.34 | 4.62 | 4.74 | 3.71 | 3.61 |  |  |  |  |  |  |
| 100          | 11.0 | 10.7 | 10.5  | 10.3 | 11.5 | 12.0 | 9.50 | 9.97 | 10.3 | 10.5 | 9.22 | 9.08 |  |  |  |  |  |  |
| 105          | 18.8 | 19.3 | 18.3  | 18.1 | 19.8 | 20.0 | 17.2 | 18.7 | 18.1 | 18.2 | 17.6 | 16.1 |  |  |  |  |  |  |
| 110          | 27.3 | 27.8 | 26.8  | 26.7 | 28.4 | 28.6 | 25.9 | 27.5 | 26.6 | 26.6 | 26.1 | 24.7 |  |  |  |  |  |  |
| 115          | 35.5 | 35.8 | 35.0  | 34.8 | 36.6 | 36.5 | 34.1 | 35.3 | 34.8 | 34.6 | 34.4 | 33.1 |  |  |  |  |  |  |
| 120          | 42.4 | 42.2 | 41.3  | 42.1 | 43.5 | 43.2 | 40.4 | 41.5 | 41.3 | 40.5 | 40.4 | 39.6 |  |  |  |  |  |  |
| 125          | 48.8 | 48.8 | 47.9  | 48.8 | 49.9 | 50.2 | 47.0 | 47.8 | 47.5 | 46.9 | 46.6 | 46.0 |  |  |  |  |  |  |
| 130          | 54.7 | 54.8 | 54.3  | 54.9 | 56.0 | 56.4 | 53.0 | 53.7 | 53.3 | 52.8 | 52.4 | 51.8 |  |  |  |  |  |  |
| 135          | 60.2 | 60.3 | 60.1  | 60.5 | 61.3 | 61.7 | 58.6 | 59.2 | 58.6 | 58.2 | 57.7 | 57.2 |  |  |  |  |  |  |
| 140          | 65.0 | 65.4 | 65.0  | 65.4 | 66.1 | 66.4 | 63.6 | 64.0 | 63.4 | 62.9 | 62.4 | 61.9 |  |  |  |  |  |  |
| 145          | 69.3 | 69.6 | 69.2  | 69.6 | 70.0 | 70.3 | 67.9 | 68.1 | 67.8 | 67.1 | 66.5 | 66.0 |  |  |  |  |  |  |
| 150          | 73.1 | 72.9 | 72.7  | 72.9 | 73.4 | 73.6 | 71.5 | 71.6 | 71.4 | 70.9 | 70.0 | 69.4 |  |  |  |  |  |  |
| 155          | 76.3 | 75.9 | 75.9  | 76.1 | 76.5 | 76.6 | 74.6 | 74.8 | 74.5 | 74.4 | 73.1 | 72.5 |  |  |  |  |  |  |
| 160          | 86.2 | 85.9 | 85.9  | 85.9 | 86.6 | 86.8 | 82.9 | 83.3 | 83.2 | 83.2 | 81.7 | 80.9 |  |  |  |  |  |  |
| 165          | 94.8 | 94.8 | 94.7  | 94.5 | 94.6 | 95.6 | 93.2 | 93.0 | 92.8 | 92.9 | 91.6 | 91.3 |  |  |  |  |  |  |
| 170          | 99.9 | 100  | 100.0 | 99.1 | 99.0 | 99.9 | 99.2 | 98.5 | 98.4 | 98.3 | 97.3 | 97.0 |  |  |  |  |  |  |
| 175          | 104  | 104  | 103   | 103  | 103  | 103  | 103  | 103  | 102  | 102  | 101  | 101  |  |  |  |  |  |  |
| 180          | 105  | 105  | 105   | 104  | 104  | 103  | 105  | 105  | 105  | 104  | 104  | 103  |  |  |  |  |  |  |

**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:**