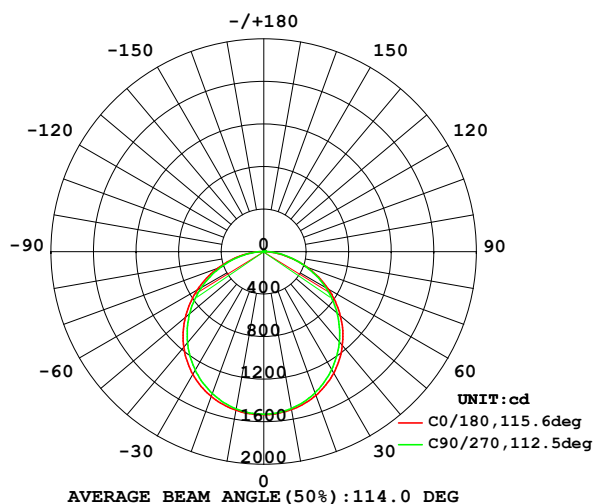


## LUMINAIRE PHOTOMETRIC TEST REPORT

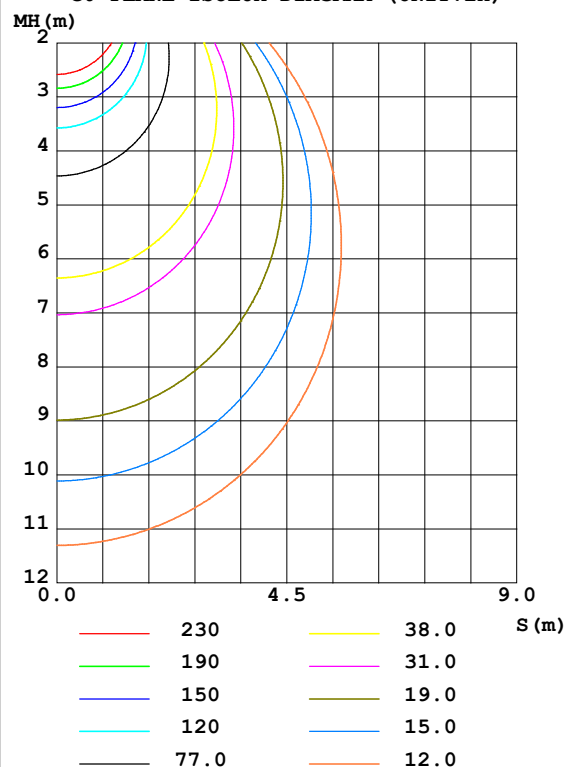
|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| MFR.:                                                             | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 115.23 lm/W |        |                        |          |
|------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL            |         | Imax(cd)                          | 1534   | S/MH(C0/180)           | 1.29     |
| NOMINAL POWER(W) | 40      | LOR(%)                            | 100.0  | S/MH(C90/270)          | 1.25     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 4527.8 | $\eta$ UP,DN(C0-180)   | 0.6,49.0 |
| NOMINAL FLUX(lm) | 4527.82 | CIE CLASS                         | DIRECT | $\eta$ UP,DN(C180-360) | 0.5,49.9 |
| LAMPS INSIDE     | 1       | $\eta$ up(%)                      | 1.1    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 120     | $\eta$ down(%)                    | 98.9   | CIBSE SHR MAX          | 1.35     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Bonnie  
 Test Date: 2017-10-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G01900\_V2(N) SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 8.690m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C90   | C180  | C270  |  |  |  |  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|--|--|--|--|----------|-------------|--------------|-----------|
| 10       | 1509                  | 1498  | 1514  | 1501  |  |  |  |  | 0- 10    | 144.9       | 144.9        | 3.2,3.2   |
| 20       | 1437                  | 1412  | 1448  | 1419  |  |  |  |  | 10- 20   | 415.9       | 560.9        | 12.4,12.4 |
| 30       | 1318                  | 1279  | 1334  | 1288  |  |  |  |  | 20- 30   | 632.7       | 1194         | 26.4,26.4 |
| 40       | 1150                  | 1106  | 1171  | 1116  |  |  |  |  | 30- 40   | 766.5       | 1960         | 43.3,43.3 |
| 50       | 940.7                 | 901.1 | 964.4 | 910.9 |  |  |  |  | 40- 50   | 799.5       | 2760         | 60.9,60.9 |
| 60       | 698.3                 | 672.1 | 723.9 | 679.7 |  |  |  |  | 50- 60   | 727.6       | 3487         | 77,77     |
| 70       | 436.6                 | 428.7 | 462.9 | 432.2 |  |  |  |  | 60- 70   | 561.7       | 4049         | 89.4,89.4 |
| 80       | 184.0                 | 192.7 | 206.9 | 190.9 |  |  |  |  | 70- 80   | 331.8       | 4381         | 96.8,96.8 |
| 90       | 4.016                 | 8.065 | 10.06 | 5.529 |  |  |  |  | 80- 90   | 99.41       | 4480         | 98.9,98.9 |
| 100      | 4.578                 | 4.329 | 3.330 | 3.194 |  |  |  |  | 90-100   | 3.640       | 4484         | 99,99     |
| 110      | 6.557                 | 6.260 | 4.916 | 4.756 |  |  |  |  | 100-110  | 4.999       | 4489         | 99.1,99.1 |
| 120      | 8.498                 | 8.150 | 6.517 | 6.311 |  |  |  |  | 110-120  | 6.442       | 4495         | 99.3,99.3 |
| 130      | 10.25                 | 9.853 | 8.359 | 8.073 |  |  |  |  | 120-130  | 7.397       | 4503         | 99.4,99.4 |
| 140      | 11.56                 | 11.14 | 9.779 | 9.457 |  |  |  |  | 130-140  | 7.592       | 4510         | 99.6,99.6 |
| 150      | 12.56                 | 12.26 | 11.10 | 10.72 |  |  |  |  | 140-150  | 6.945       | 4517         | 99.8,99.8 |
| 160      | 13.27                 | 13.03 | 12.56 | 12.03 |  |  |  |  | 150-160  | 5.633       | 4523         | 99.9,99.9 |
| 170      | 13.73                 | 13.43 | 13.55 | 13.11 |  |  |  |  | 160-170  | 3.717       | 4527         | 100,100   |
| 180      | 13.92                 | 13.52 | 13.92 | 13.39 |  |  |  |  | 170-180  | 1.295       | 4528         | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |  |  |  |  | UNIT:lm  |             |              |           |

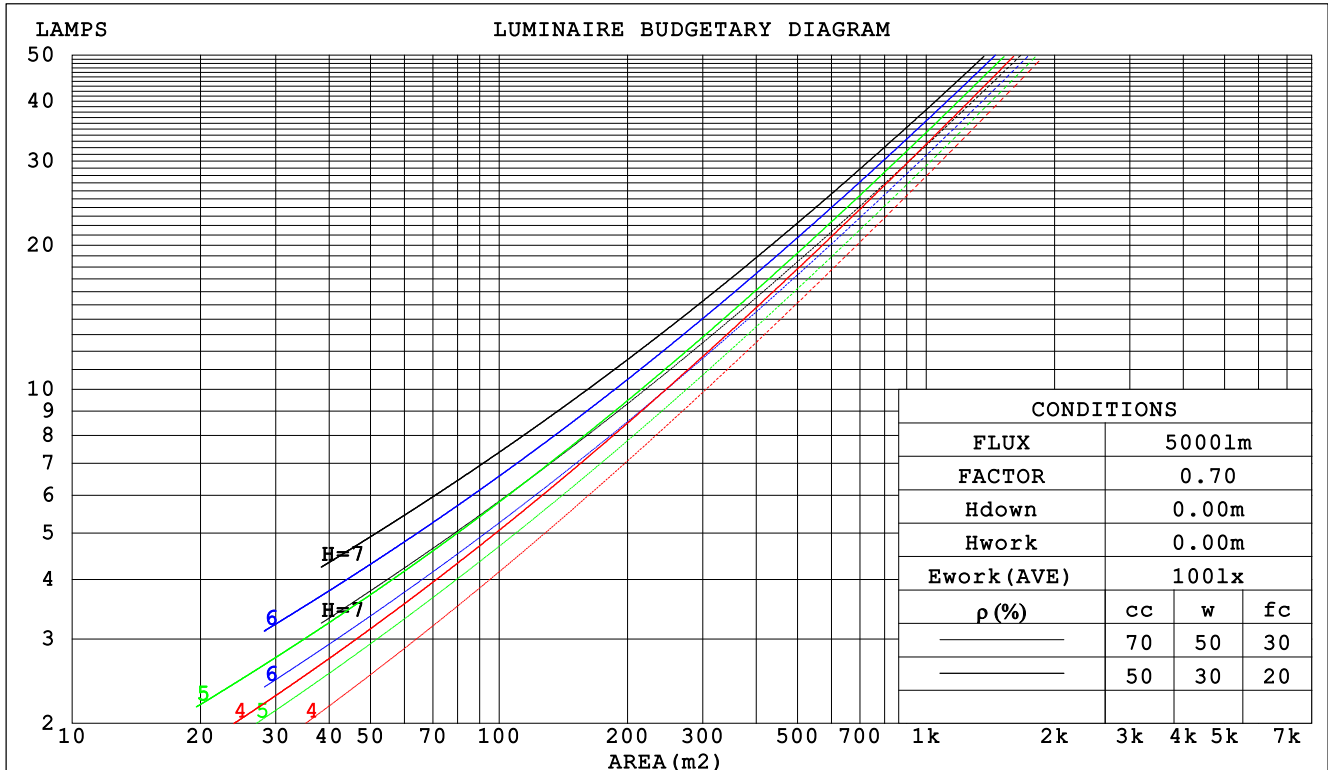
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Bonnie  
 Test Date:2017-10-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO1900\_V2(N) SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:8.690m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| 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         | 1.19                  | 1.19 | 1.19 | 1.16                            | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0         | 1.03                  | .99  | .95  | 1.01                            | .97  | .93  | .96  | .93  | .90  | .92  | .90  | .87  | .89  | .86  | .84  | .82 |
| 2.0         | .90                   | .83  | .77  | .88                             | .81  | .76  | .84  | .79  | .74  | .81  | .76  | .72  | .77  | .74  | .70  | .68 |
| 3.0         | .79                   | .70  | .64  | .77                             | .69  | .63  | .74  | .67  | .62  | .71  | .65  | .61  | .68  | .64  | .59  | .57 |
| 4.0         | .70                   | .61  | .54  | .68                             | .60  | .53  | .66  | .58  | .53  | .63  | .57  | .52  | .61  | .55  | .51  | .49 |
| 5.0         | .62                   | .53  | .46  | .61                             | .52  | .46  | .59  | .51  | .45  | .57  | .50  | .45  | .55  | .49  | .44  | .42 |
| 6.0         | .56                   | .47  | .40  | .55                             | .46  | .40  | .53  | .45  | .40  | .51  | .44  | .39  | .49  | .43  | .39  | .37 |
| 7.0         | .51                   | .42  | .36  | .50                             | .41  | .35  | .48  | .41  | .35  | .47  | .40  | .35  | .45  | .39  | .34  | .32 |
| 8.0         | .46                   | .38  | .32  | .45                             | .37  | .32  | .44  | .37  | .31  | .43  | .36  | .31  | .41  | .35  | .31  | .29 |
| 9.0         | .42                   | .34  | .28  | .42                             | .34  | .28  | .40  | .33  | .28  | .39  | .33  | .28  | .38  | .32  | .28  | .26 |
| 10.0        | .39                   | .31  | .26  | .38                             | .31  | .26  | .37  | .30  | .25  | .36  | .30  | .25  | .35  | .29  | .25  | .23 |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Bonnie  
 Test Date:2017-10-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO1900\_V2(N) SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:8.690m [K=1.0000]  
 Remarks:

## WEC AND CCEC

|                                                                   |  |  |       |  |                  |
|-------------------------------------------------------------------|--|--|-------|--|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |  |  |       |  |                  |
| NAME: LED panel light                                             |  |  | TYPE: |  | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         |  |  | DIM.: |  | SERIAL No.:01    |
| MFR.:                                                             |  |  | SUR.: |  | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |
| 1.0  | .316                  | .179 | .057 | .308 | .176 | .056 | .294                             | .169 | .054 | .281 | .162 | .052 | .270 | .156 | .050 |   |
| 2.0  | .295                  | .162 | .050 | .289 | .159 | .049 | .277                             | .154 | .048 | .265 | .149 | .047 | .255 | .144 | .045 |   |
| 3.0  | .273                  | .145 | .043 | .267 | .143 | .043 | .256                             | .139 | .042 | .246 | .135 | .041 | .237 | .131 | .041 |   |
| 4.0  | .251                  | .131 | .038 | .246 | .129 | .038 | .236                             | .125 | .037 | .227 | .122 | .037 | .219 | .119 | .036 |   |
| 5.0  | .232                  | .118 | .034 | .227 | .117 | .034 | .219                             | .114 | .034 | .211 | .111 | .033 | .203 | .109 | .033 |   |
| 6.0  | .215                  | .108 | .031 | .211 | .106 | .031 | .203                             | .104 | .030 | .196 | .102 | .030 | .189 | .100 | .030 |   |
| 7.0  | .200                  | .099 | .028 | .196 | .098 | .028 | .189                             | .096 | .028 | .183 | .094 | .027 | .177 | .092 | .027 |   |
| 8.0  | .186                  | .091 | .026 | .183 | .090 | .025 | .177                             | .088 | .025 | .171 | .087 | .025 | .166 | .085 | .025 |   |
| 9.0  | .175                  | .084 | .024 | .172 | .084 | .023 | .166                             | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 |   |
| 10.0 | .164                  | .079 | .022 | .161 | .078 | .022 | .156                             | .077 | .022 | .152 | .075 | .021 | .147 | .074 | .021 |   |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .198                  | .198 | .198 | .170 | .170 | .170 | .116                                        | .116 | .116 | .067 | .067 | .067 | .021 | .021 | .021 |   |
| 1.0  | .189                  | .164 | .142 | .162 | .141 | .122 | .110                                        | .097 | .085 | .064 | .056 | .049 | .020 | .018 | .016 |   |
| 2.0  | .181                  | .140 | .106 | .155 | .121 | .091 | .106                                        | .083 | .064 | .061 | .049 | .037 | .020 | .016 | .012 |   |
| 3.0  | .173                  | .122 | .082 | .148 | .106 | .071 | .102                                        | .073 | .050 | .059 | .043 | .029 | .019 | .014 | .010 |   |
| 4.0  | .166                  | .109 | .066 | .142 | .094 | .058 | .098                                        | .066 | .041 | .057 | .039 | .024 | .018 | .013 | .008 |   |
| 5.0  | .158                  | .099 | .055 | .136 | .086 | .048 | .094                                        | .060 | .034 | .054 | .035 | .020 | .017 | .011 | .007 |   |
| 6.0  | .151                  | .091 | .047 | .130 | .078 | .041 | .089                                        | .055 | .029 | .052 | .032 | .017 | .017 | .011 | .006 |   |
| 7.0  | .144                  | .084 | .041 | .124 | .073 | .036 | .086                                        | .051 | .026 | .050 | .030 | .015 | .016 | .010 | .005 |   |
| 8.0  | .138                  | .078 | .037 | .118 | .068 | .032 | .082                                        | .047 | .023 | .048 | .028 | .014 | .015 | .009 | .005 |   |
| 9.0  | .131                  | .073 | .033 | .113 | .063 | .029 | .078                                        | .045 | .021 | .046 | .026 | .012 | .015 | .009 | .004 |   |
| 10.0 | .126                  | .069 | .031 | .108 | .060 | .027 | .075                                        | .042 | .019 | .044 | .025 | .011 | .014 | .008 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Bonnie  
 Test Date:2017-10-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO1900\_V2(N) SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:8.690m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

|                                                                   |                  |      |      |      |       |                |      |                  |      |      |
|-------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: LED panel light                                             |                  |      |      |      | TYPE: |                |      | WEIGHT:          |      |      |
| SPEC.:PL603X603 40W 4000K                                         |                  |      |      |      | DIM.: |                |      | SERIAL No.:01    |      |      |
| 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                                                     | 20.4             | 21.9 | 20.7 | 22.2 | 22.4  | 20.3           | 21.8 | 20.5             | 22.0 | 22.2 |
| 3H                                                                | 22.0             | 23.4 | 22.3 | 23.6 | 23.9  | 21.8           | 23.2 | 22.1             | 23.5 | 23.7 |
| 4H                                                                | 22.6             | 23.9 | 22.9 | 24.2 | 24.5  | 22.5           | 23.8 | 22.8             | 24.1 | 24.4 |
| 6H                                                                | 23.0             | 24.3 | 23.4 | 24.6 | 24.9  | 22.9           | 24.2 | 23.3             | 24.5 | 24.8 |
| 8H                                                                | 23.2             | 24.4 | 23.5 | 24.7 | 25.0  | 23.1           | 24.3 | 23.5             | 24.6 | 24.9 |
| 12H                                                               | 23.2             | 24.4 | 23.6 | 24.7 | 25.0  | 23.2           | 24.4 | 23.6             | 24.7 | 25.0 |
| 4H 2H                                                             | 21.0             | 22.4 | 21.4 | 22.6 | 22.9  | 20.9           | 22.2 | 21.2             | 22.5 | 22.8 |
| 3H                                                                | 22.7             | 23.9 | 23.1 | 24.2 | 24.6  | 22.6           | 23.8 | 23.0             | 24.1 | 24.5 |
| 4H                                                                | 23.5             | 24.6 | 23.9 | 24.9 | 25.3  | 23.4           | 24.5 | 23.8             | 24.8 | 25.2 |
| 6H                                                                | 24.1             | 25.0 | 24.5 | 25.4 | 25.8  | 24.0           | 25.0 | 24.4             | 25.3 | 25.7 |
| 8H                                                                | 24.2             | 25.1 | 24.7 | 25.5 | 25.9  | 24.2           | 25.1 | 24.7             | 25.5 | 25.9 |
| 12H                                                               | 24.4             | 25.2 | 24.8 | 25.6 | 26.0  | 24.4           | 25.2 | 24.8             | 25.6 | 26.1 |
| 8H 4H                                                             | 23.8             | 24.6 | 24.2 | 25.0 | 25.4  | 23.7           | 24.6 | 24.1             | 25.0 | 25.4 |
| 6H                                                                | 24.5             | 25.2 | 24.9 | 25.6 | 26.1  | 24.5           | 25.2 | 24.9             | 25.6 | 26.1 |
| 8H                                                                | 24.8             | 25.4 | 25.2 | 25.9 | 26.3  | 24.8           | 25.4 | 25.2             | 25.9 | 26.3 |
| 12H                                                               | 25.0             | 25.5 | 25.5 | 26.0 | 26.5  | 25.0           | 25.6 | 25.5             | 26.1 | 26.6 |
| 12H 4H                                                            | 23.8             | 24.6 | 24.2 | 25.0 | 25.4  | 23.7           | 24.5 | 24.1             | 24.9 | 25.4 |
| 6H                                                                | 24.5             | 25.2 | 25.0 | 25.6 | 26.1  | 24.5           | 25.2 | 25.0             | 25.6 | 26.1 |
| 8H                                                                | 24.9             | 25.4 | 25.4 | 25.9 | 26.4  | 24.9           | 25.4 | 25.4             | 25.9 | 26.4 |
| 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                                                              | + 0.2 / - 0.3    |      |      |      |       | + 0.1 / - 0.3  |      |                  |      |      |

CIE Pub.117 Corrected 4528 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.2)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Bonnie  
 Test Date:2017-10-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO1900\_V2(N) SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:8.690m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| MFR.:                                                             | SUR.: | Shielding Angle: |

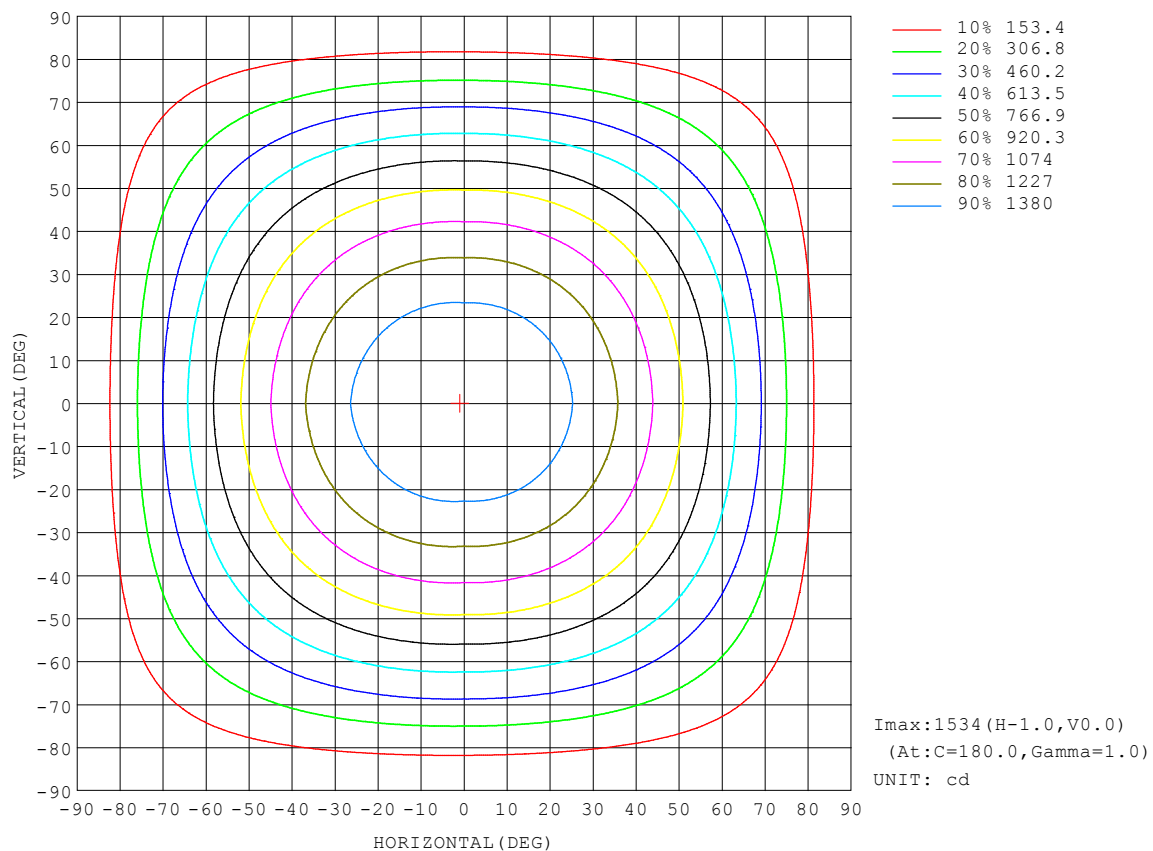
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 57                                                   | 45  | 38        | 56  | 45  | 38  | 55  | 44            | 38  | 31     |
| 0.80                             | 67                                                   | 55  | 48        | 66  | 55  | 47  | 64  | 54            | 47  | 40     |
| 1.00                             | 75                                                   | 64  | 56        | 74  | 63  | 56  | 72  | 65            | 56  | 48     |
| 1.25                             | 82                                                   | 72  | 64        | 81  | 71  | 64  | 78  | 69            | 63  | 55     |
| 1.50                             | 87                                                   | 77  | 70        | 86  | 76  | 70  | 82  | 74            | 68  | 61     |
| 2.00                             | 94                                                   | 85  | 79        | 92  | 84  | 78  | 89  | 82            | 76  | 68     |
| 2.50                             | 98                                                   | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 81  | 72     |
| 3.00                             | 102                                                  | 95  | 89        | 99  | 93  | 88  | 95  | 90            | 85  | 77     |
| 4.00                             | 106                                                  | 100 | 95        | 103 | 98  | 94  | 99  | 94            | 91  | 82     |
| 5.00                             | 108                                                  | 103 | 99        | 106 | 101 | 97  | 101 | 97            | 94  | 85     |
| 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: Bonnie  
 Test Date: 2017-10-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO1900\_V2 (N) SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 8.690m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| MFR.:                                                             | SUR.: | Shielding Angle: |

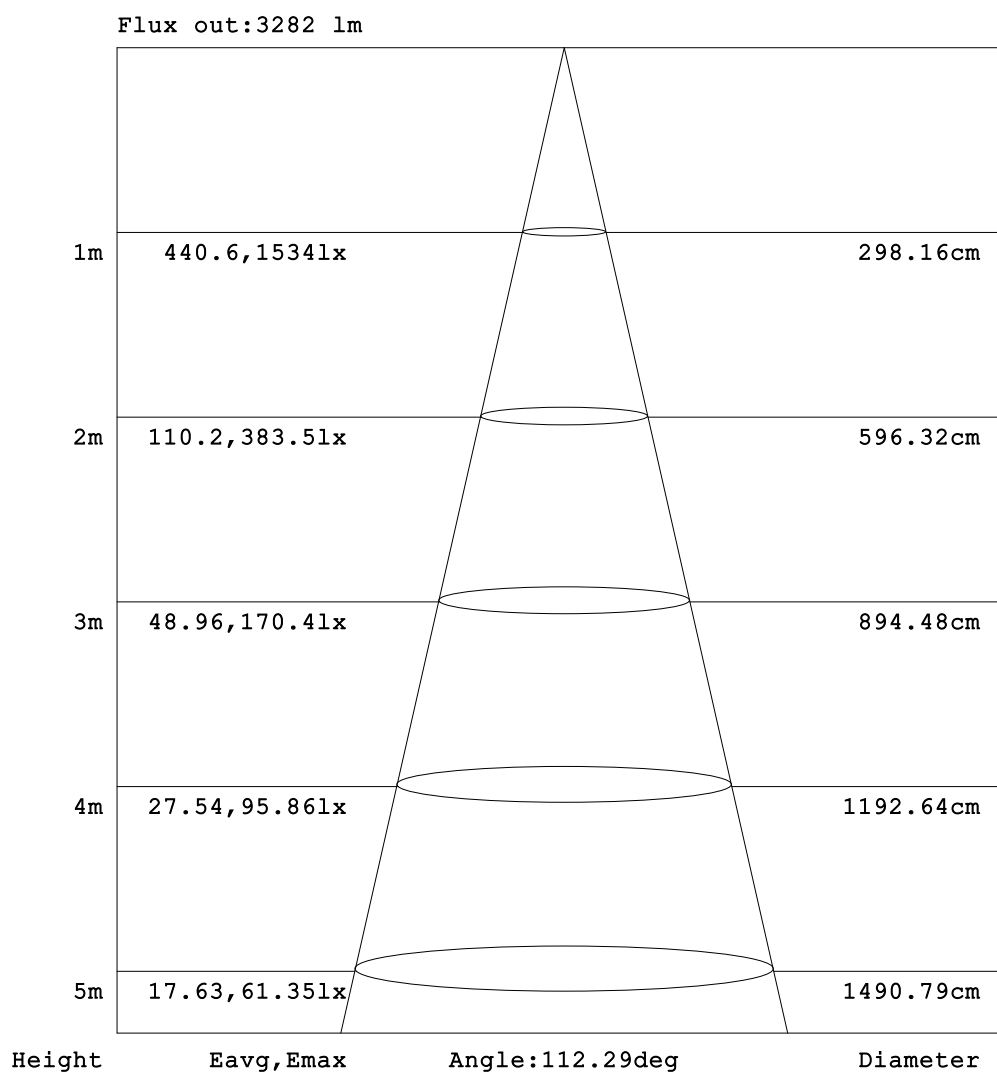


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bonnie  
Test Date:2017-10-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO1900\_V2(N) SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| MFR.:                                                             | SUR.: | Shielding Angle: |



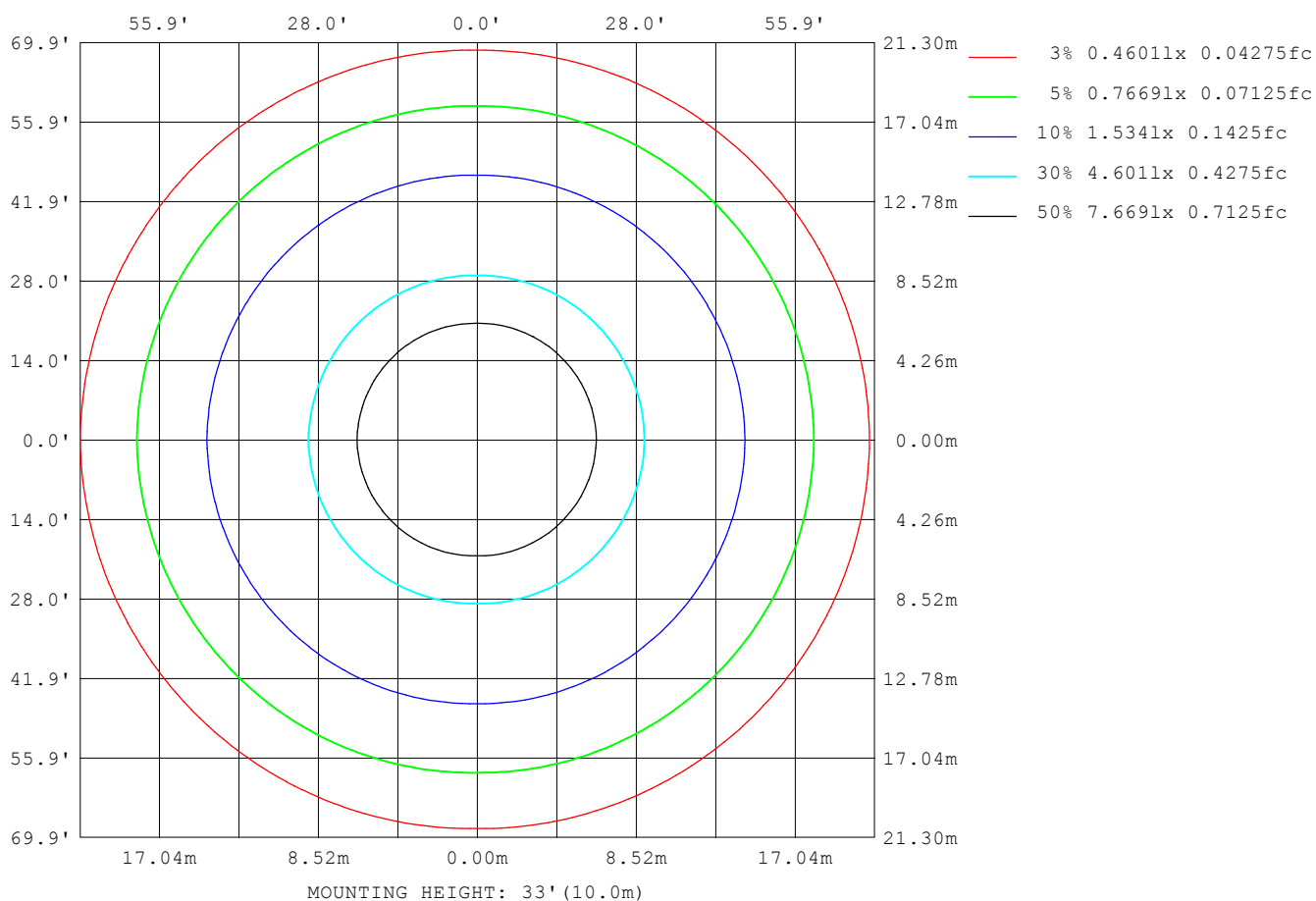
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Bonnie  
 Test Date: 2017-10-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO1900\_V2 (N) SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 8.690m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| MFR.:                                                             | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Bonnie  
 Test Date:2017-10-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE G01900\_V2(N) SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:8.690m [K=1.0000]  
 Remarks:

## LED Avg.L Report

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| MFR.:                                                             | SUR.: | Shielding Angle: |

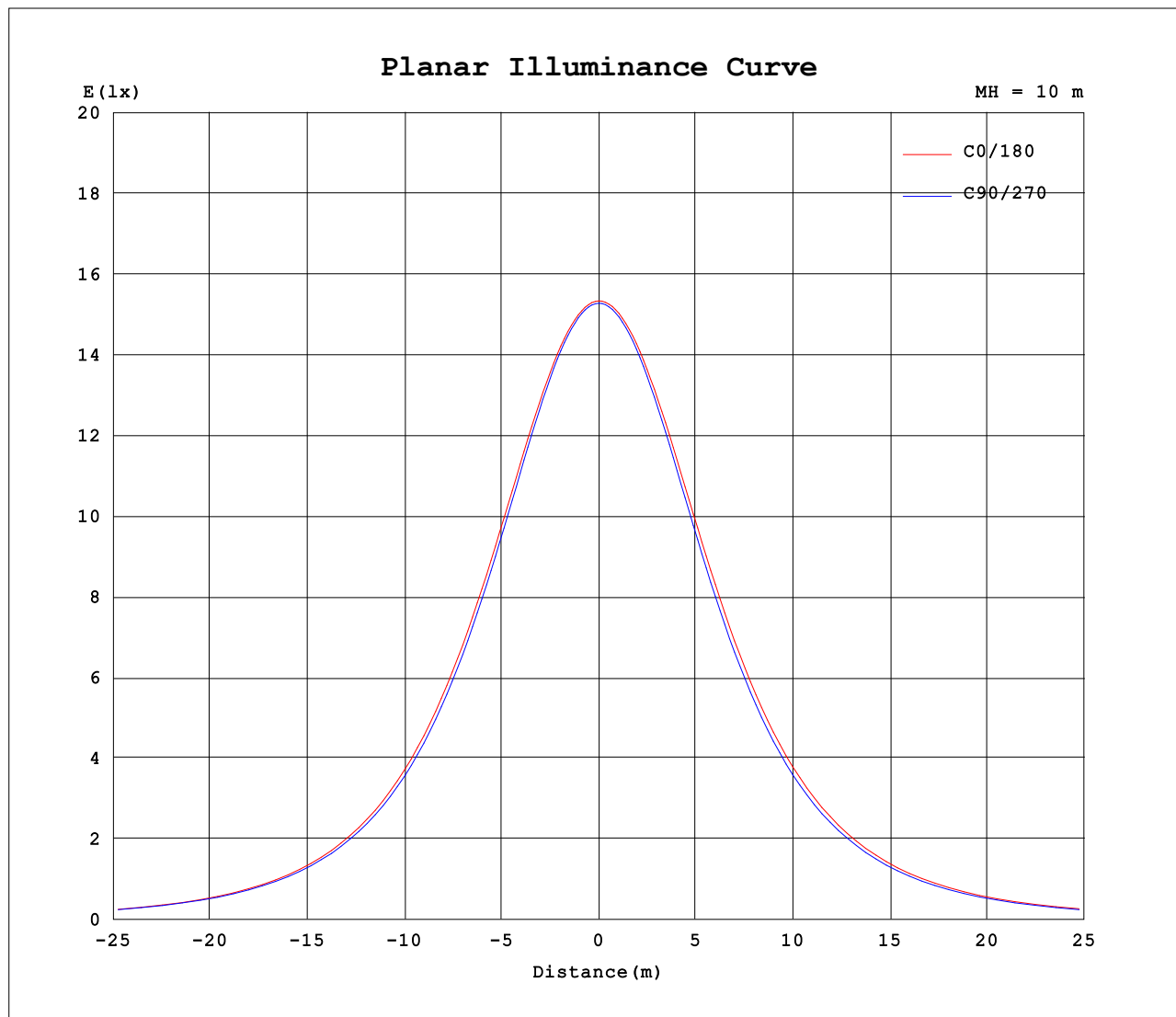
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 8603  |
| L_0~180 (75) av  | 7701  |
| L_0~180 (85) av  | 6298  |
| L_90~270 (65) av | 8195  |
| L_90~270 (75) av | 7437  |
| L_90~270 (85) av | 6312  |
| L_45 (65) av     | 8360  |
| L_45 (75) av     | 7555  |
| L_45 (85) av     | 6350  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bonnie  
Test Date:2017-10-09

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO1900\_V2(N) SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:8.690m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Bonnie  
Test Date: 2017-10-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO1900\_V2 (N) SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 8.690m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |       |                  |
|-------------------------------------------------------------------|-------|------------------|
| Test:U:120.6V I:0.3280A P:39.29W PF:0.9937 Lamp Flux:4527.82x1 lm |       |                  |
| NAME: LED panel light                                             | TYPE: | WEIGHT:          |
| SPEC.:PL603X603 40W 4000K                                         | DIM.: | SERIAL No.:01    |
| MFR.:                                                             | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 90   | 180  | 270  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 1534 | 1528 | 1534 | 1528 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 1527 | 1520 | 1530 | 1522 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 1509 | 1498 | 1514 | 1501 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 1479 | 1461 | 1487 | 1467 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1437 | 1412 | 1448 | 1419 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1383 | 1351 | 1397 | 1360 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1318 | 1279 | 1334 | 1288 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 1240 | 1197 | 1258 | 1207 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 1150 | 1106 | 1171 | 1116 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 1051 | 1007 | 1073 | 1017 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 941  | 901  | 964  | 911  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 823  | 789  | 848  | 798  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 698  | 672  | 724  | 680  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 569  | 551  | 595  | 557  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 437  | 429  | 463  | 432  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 306  | 308  | 331  | 308  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 184  | 193  | 207  | 191  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 78.3 | 89.6 | 97.3 | 86.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 4.02 | 8.07 | 10.1 | 5.53 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 3.58 | 3.38 | 2.61 | 2.53 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 4.58 | 4.33 | 3.33 | 3.19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 5.55 | 5.30 | 4.12 | 3.96 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 6.56 | 6.26 | 4.92 | 4.76 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 7.54 | 7.22 | 5.72 | 5.54 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 8.50 | 8.15 | 6.52 | 6.31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 9.46 | 9.04 | 7.41 | 7.20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 10.2 | 9.85 | 8.36 | 8.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 11.0 | 10.5 | 9.09 | 8.78 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 11.6 | 11.1 | 9.78 | 9.46 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 12.1 | 11.7 | 10.4 | 10.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 12.6 | 12.3 | 11.1 | 10.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 12.9 | 12.7 | 11.8 | 11.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 13.3 | 13.0 | 12.6 | 12.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 13.5 | 13.3 | 13.2 | 12.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 13.7 | 13.4 | 13.6 | 13.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 13.8 | 13.5 | 13.8 | 13.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 13.9 | 13.5 | 13.9 | 13.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Bonnie  
 Test Date:2017-10-09

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO1900\_V2(N) SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:8.690m [K=1.0000]  
 Remarks: