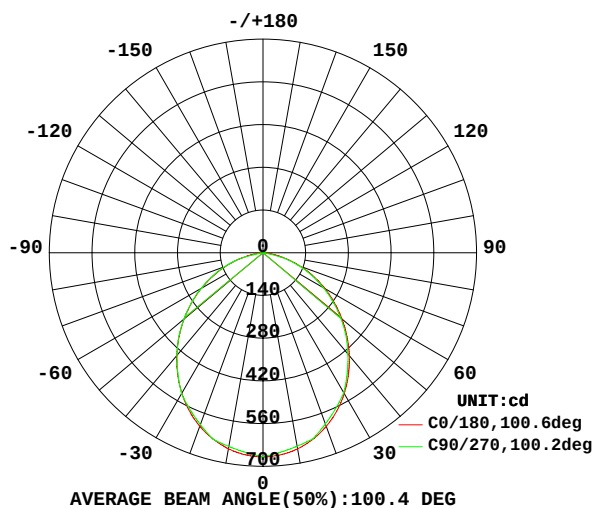


## LUMINAIRE PHOTOMETRIC TEST REPORT

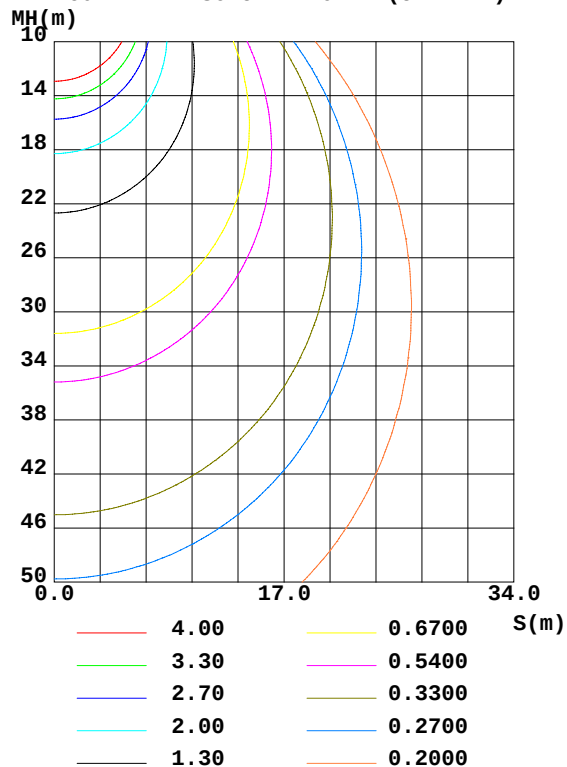
|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |

| DATA OF LAMP     |            | PHOTOMETRIC DATA      |        |                    |           | Eff: 85.28 lm/W |
|------------------|------------|-----------------------|--------|--------------------|-----------|-----------------|
| MODEL            | 2835 5P18S | I <sub>max</sub> (cd) | 668.8  | S/MH(C0/180)       | 1.19      |                 |
| NOMINAL POWER(W) | 18         | LOR(%)                | 100.0  | S/MH(C90/270)      | 1.18      |                 |
| RATED VOLTAGE(V) | 120        | TOTAL FLUX(lm)        | 1620.4 | η UP, DN(C0-180)   | 0.0, 50.3 |                 |
| NOMINAL FLUX(lm) | 1620.4     | CIE CLASS             | DIRECT | η UP, DN(C180-360) | 0.0, 49.7 |                 |
| LAMPS INSIDE     | 1          | η up(%)               | 0.0    | CIBSE SHR NOM      | 1.25      |                 |
| TEST VOLTAGE(V)  | 120.1      | η down(%)             | 100.0  | CIBSE SHR MAX      | 1.35      |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2015-04-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks: 电源: 金永信  
灯珠参数: 26-28lm/颗 单颗0.2W 6000K

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180   | C225  | C270  | C315  | $\gamma$ | $\phi$ zone | $\phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|------------|
| 5        | 664.5                 | 658.2 | 656.8 | 658.2 | 664.7  | 657.9 | 656.3 | 657.8 | 0- 5     | 15.84       | 15.84        | 0.98,0.98  |
| 10       | 652.2                 | 643.5 | 644.8 | 644.1 | 652.2  | 643.3 | 643.8 | 642.8 | 5- 10    | 46.62       | 62.46        | 3.85,3.85  |
| 15       | 632.1                 | 625.6 | 632.7 | 626.4 | 632.6  | 625.3 | 631.3 | 624.3 | 10- 15   | 75.47       | 137.9        | 8.51,8.51  |
| 20       | 605.0                 | 604.1 | 599.7 | 605.4 | 605.8  | 604.0 | 597.4 | 602.6 | 15- 20   | 101.2       | 239.2        | 14.8,14.8  |
| 25       | 571.4                 | 567.6 | 566.7 | 568.7 | 572.6  | 566.7 | 563.5 | 565.4 | 20- 25   | 122.3       | 361.5        | 22.3,22.3  |
| 30       | 531.9                 | 526.4 | 533.6 | 527.6 | 532.6  | 525.0 | 529.6 | 523.7 | 25- 30   | 138.4       | 499.9        | 30.8,30.8  |
| 35       | 487.6                 | 484.2 | 485.9 | 484.7 | 487.8  | 481.7 | 481.4 | 481.1 | 30- 35   | 149.0       | 648.9        | 40,40      |
| 40       | 439.7                 | 440.0 | 438.2 | 439.9 | 439.8  | 436.7 | 433.1 | 436.4 | 35- 40   | 153.4       | 802.3        | 49.5,49.5  |
| 45       | 389.1                 | 387.2 | 390.6 | 387.5 | 389.7  | 384.2 | 384.9 | 383.6 | 40- 45   | 152.1       | 954.4        | 58.9,58.9  |
| 50       | 337.4                 | 335.7 | 338.4 | 336.3 | 337.9  | 332.8 | 332.5 | 331.9 | 45- 50   | 145.7       | 1100         | 67.9,67.9  |
| 55       | 285.7                 | 285.6 | 286.3 | 286.6 | 285.5  | 282.9 | 280.1 | 281.4 | 50- 55   | 134.3       | 1234         | 76.2,76.2  |
| 60       | 232.9                 | 232.7 | 234.1 | 232.9 | 233.8  | 229.2 | 227.6 | 228.3 | 55- 60   | 118.8       | 1353         | 83.5,83.5  |
| 65       | 181.0                 | 181.8 | 183.7 | 180.9 | 182.6  | 177.1 | 176.9 | 177.0 | 60- 65   | 99.76       | 1453         | 89.7,89.7  |
| 70       | 130.5                 | 132.3 | 133.4 | 130.8 | 131.9  | 126.8 | 126.2 | 127.4 | 65- 70   | 78.22       | 1531         | 94.5,94.5  |
| 75       | 81.53                 | 84.02 | 82.98 | 82.72 | 82.13  | 78.57 | 75.51 | 79.24 | 70- 75   | 54.77       | 1586         | 97.9,97.9  |
| 80       | 37.29                 | 35.11 | 0     | 34.05 | 37.90  | 30.51 | 0     | 31.38 | 75- 80   | 28.39       | 1614         | 99.6,99.6  |
| 85       | 9.374                 | 0     | 0     | 0     | 9.587  | 0     | 0     | 0     | 80- 85   | 5.686       | 1620         | 100,100    |
| 90       | 0.2528                | 0     | 0     | 0     | 0.3841 | 0     | 0     | 0     | 85- 90   | 0.4295      | 1620         | 100,100    |
| 95       |                       |       |       |       |        |       |       |       | 90- 95   |             |              |            |
| 100      |                       |       |       |       |        |       |       |       | 95-100   |             |              |            |
| 105      |                       |       |       |       |        |       |       |       | 100-105  |             |              |            |
| 110      |                       |       |       |       |        |       |       |       | 105-110  |             |              |            |
| 115      |                       |       |       |       |        |       |       |       | 110-115  |             |              |            |
| 120      |                       |       |       |       |        |       |       |       | 115-120  |             |              |            |
| 125      |                       |       |       |       |        |       |       |       | 120-125  |             |              |            |
| 130      |                       |       |       |       |        |       |       |       | 125-130  |             |              |            |
| 135      |                       |       |       |       |        |       |       |       | 130-135  |             |              |            |
| 140      |                       |       |       |       |        |       |       |       | 135-140  |             |              |            |
| 145      |                       |       |       |       |        |       |       |       | 140-145  |             |              |            |
| 150      |                       |       |       |       |        |       |       |       | 145-150  |             |              |            |
| 155      |                       |       |       |       |        |       |       |       | 150-155  |             |              |            |
| 160      |                       |       |       |       |        |       |       |       | 155-160  |             |              |            |
| 165      |                       |       |       |       |        |       |       |       | 160-165  |             |              |            |
| 170      |                       |       |       |       |        |       |       |       | 165-170  |             |              |            |
| 175      |                       |       |       |       |        |       |       |       | 170-175  |             |              |            |
| 180      |                       |       |       |       |        |       |       |       | 175-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |        |       |       |       |          | UNIT:lm     |              |            |

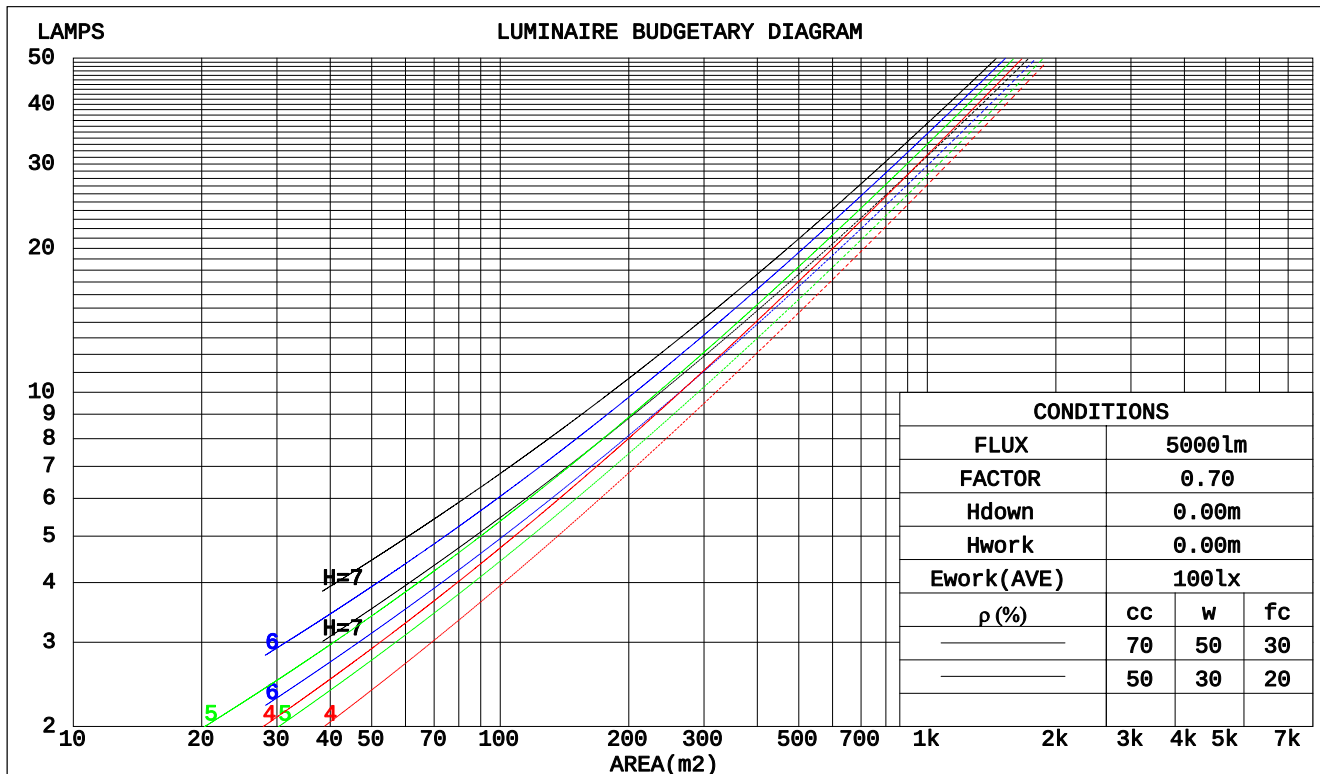
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-04-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 电源: 金永信  
 灯珠参数: 26-28lm/颗 单颗0.2W 6000K

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |

| ρcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ρw   | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| ρfc  | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR  | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0.0  | 1.19                            | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0  | 1.05                            | 1.02 | .98  | 1.03 | .99  | .97  | .99  | .96  | .93  | .95  | .93  | .91  | .92  | .90  | .88  | .86  |
| 2.0  | .93                             | .86  | .81  | .91  | .85  | .80  | .87  | .82  | .78  | .84  | .80  | .76  | .81  | .78  | .75  | .73  |
| 3.0  | .82                             | .74  | .68  | .80  | .73  | .67  | .77  | .71  | .66  | .75  | .70  | .65  | .72  | .68  | .64  | .62  |
| 4.0  | .73                             | .65  | .58  | .72  | .64  | .58  | .69  | .62  | .57  | .67  | .61  | .56  | .65  | .60  | .55  | .53  |
| 5.0  | .65                             | .57  | .50  | .64  | .56  | .50  | .62  | .55  | .50  | .60  | .54  | .49  | .58  | .53  | .49  | .46  |
| 6.0  | .59                             | .50  | .44  | .58  | .50  | .44  | .56  | .49  | .44  | .55  | .48  | .43  | .53  | .47  | .43  | .41  |
| 7.0  | .54                             | .45  | .39  | .53  | .45  | .39  | .51  | .44  | .39  | .50  | .43  | .39  | .49  | .43  | .38  | .36  |
| 8.0  | .49                             | .41  | .35  | .48  | .41  | .35  | .47  | .40  | .35  | .46  | .39  | .35  | .45  | .39  | .34  | .33  |
| 9.0  | .45                             | .37  | .32  | .45  | .37  | .32  | .43  | .36  | .31  | .42  | .36  | .31  | .41  | .35  | .31  | .29  |
| 10.0 | .42                             | .34  | .29  | .41  | .34  | .29  | .40  | .33  | .29  | .39  | .33  | .29  | .38  | .33  | .28  | .27  |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2015-04-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks: 电源: 金永信  
 灯珠参数: 26-28lm/颗 单颗0.2W 6000K

## WEC AND CCEC

|                                                                  |  |  |  |         |  |  |                   |  |
|------------------------------------------------------------------|--|--|--|---------|--|--|-------------------|--|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |  |  |  |         |  |  |                   |  |
| NAME: 面板灯                                                        |  |  |  | TYPE:室内 |  |  | WEIGHT:0.3        |  |
| SPEC.:LBT-PL-18C                                                 |  |  |  | DIM.:   |  |  | SERIAL No.:       |  |
| MFR.:                                                            |  |  |  | SUR.:   |  |  | PROTECTION 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 Coeffcients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                |      |      |      |      |      |      |      |      |   |
| 1.0         | .279                  | .159 | .050 | .272 | .155 | .049 | .259                           | .148 | .047 | .247 | .142 | .046 | .236 | .137 | .044 |   |
| 2.0         | .270                  | .148 | .045 | .264 | .145 | .045 | .252                           | .140 | .044 | .242 | .136 | .042 | .232 | .131 | .041 |   |
| 3.0         | .253                  | .135 | .040 | .248 | .133 | .040 | .238                           | .129 | .039 | .229 | .125 | .038 | .220 | .122 | .038 |   |
| 4.0         | .236                  | .123 | .036 | .232 | .121 | .036 | .223                           | .118 | .035 | .214 | .115 | .035 | .206 | .112 | .034 |   |
| 5.0         | .220                  | .112 | .032 | .216 | .111 | .032 | .208                           | .108 | .032 | .200 | .106 | .031 | .193 | .103 | .031 |   |
| 6.0         | .205                  | .103 | .029 | .201 | .102 | .029 | .194                           | .100 | .029 | .188 | .098 | .029 | .182 | .096 | .028 |   |
| 7.0         | .192                  | .095 | .027 | .189 | .094 | .027 | .182                           | .092 | .027 | .176 | .090 | .026 | .171 | .089 | .026 |   |
| 8.0         | .180                  | .088 | .025 | .177 | .087 | .025 | .171                           | .086 | .024 | .166 | .084 | .024 | .161 | .083 | .024 |   |
| 9.0         | .169                  | .082 | .023 | .166 | .081 | .023 | .161                           | .080 | .023 | .156 | .078 | .022 | .152 | .077 | .022 |   |
| 10.0        | .159                  | .076 | .021 | .157 | .076 | .021 | .152                           | .075 | .021 | .148 | .073 | .021 | .144 | .072 | .021 |   |

| ρ <sub>CC</sub> | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-----------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρ <sub>W</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρ <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0             | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0             | .178                  | .156 | .137 | .152 | .134 | .118 | .104                                       | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0             | .169                  | .132 | .101 | .145 | .114 | .087 | .099                                       | .079 | .061 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0             | .161                  | .114 | .077 | .138 | .099 | .066 | .095                                       | .068 | .047 | .055 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0             | .154                  | .101 | .060 | .132 | .087 | .052 | .091                                       | .061 | .037 | .052 | .036 | .022 | .017 | .012 | .007 |   |
| 5.0             | .146                  | .090 | .049 | .126 | .078 | .042 | .087                                       | .055 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0             | .139                  | .082 | .040 | .120 | .071 | .035 | .083                                       | .050 | .025 | .048 | .029 | .015 | .015 | .010 | .005 |   |
| 7.0             | .133                  | .075 | .034 | .114 | .065 | .030 | .079                                       | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0             | .127                  | .069 | .029 | .109 | .060 | .026 | .075                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0             | .121                  | .064 | .026 | .104 | .056 | .022 | .072                                       | .039 | .016 | .042 | .023 | .010 | .014 | .008 | .003 |   |
| 10.0            | .115                  | .060 | .023 | .099 | .052 | .020 | .069                                       | .037 | .014 | .040 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-04-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 电源: 金永信  
 灯珠参数: 26-28lm/颗 单颗0.2W 6000K

## UGR(Unified Glare Rating) Table

|                                                                  |     |                  |      |      |         |      |                |                   |      |      |      |
|------------------------------------------------------------------|-----|------------------|------|------|---------|------|----------------|-------------------|------|------|------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |     |                  |      |      |         |      |                |                   |      |      |      |
| NAME: 面板灯                                                        |     |                  |      |      | TYPE:室内 |      |                | WEIGHT:0.3        |      |      |      |
| SPEC.:LBT-PL-18C                                                 |     |                  |      |      | DIM.:   |      |                | SERIAL No.:       |      |      |      |
| MFR.:                                                            |     |                  |      |      | SUR.:   |      |                | PROTECTION 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                                                    |     | 26.3             | 27.7 | 26.6 | 27.9    | 28.1 | 26.4           | 27.8              | 26.6 | 28.0 | 28.2 |
|                                                                  | 3H  | 27.5             | 28.9 | 27.8 | 29.1    | 29.3 | 27.6           | 29.0              | 27.9 | 29.2 | 29.4 |
|                                                                  | 4H  | 27.9             | 29.2 | 28.2 | 29.4    | 29.7 | 28.0           | 29.3              | 28.4 | 29.6 | 29.8 |
|                                                                  | 6H  | 28.1             | 29.3 | 28.4 | 29.6    | 29.8 | 28.1           | 29.3              | 28.4 | 29.5 | 29.8 |
|                                                                  | 8H  | 28.1             | 29.3 | 28.4 | 29.5    | 29.8 | 28.0           | 29.2              | 28.3 | 29.4 | 29.7 |
|                                                                  | 12H | 28.1             | 29.2 | 28.4 | 29.5    | 29.8 | 28.0           | 29.1              | 28.3 | 29.4 | 29.7 |
| 4H                                                               | 2H  | 26.8             | 28.1 | 27.1 | 28.4    | 28.6 | 26.9           | 28.2              | 27.2 | 28.4 | 28.7 |
|                                                                  | 3H  | 28.2             | 29.3 | 28.6 | 29.6    | 29.9 | 28.3           | 29.4              | 28.7 | 29.7 | 30.0 |
|                                                                  | 4H  | 28.7             | 29.7 | 29.1 | 30.1    | 30.4 | 28.8           | 29.8              | 29.2 | 30.2 | 30.5 |
|                                                                  | 6H  | 29.0             | 29.9 | 29.4 | 30.2    | 30.6 | 28.9           | 29.8              | 29.3 | 30.1 | 30.5 |
|                                                                  | 8H  | 29.0             | 29.8 | 29.4 | 30.2    | 30.6 | 28.8           | 29.7              | 29.3 | 30.0 | 30.4 |
|                                                                  | 12H | 29.0             | 29.8 | 29.4 | 30.1    | 30.5 | 28.8           | 29.6              | 29.2 | 29.9 | 30.3 |
| 8H                                                               | 4H  | 28.9             | 29.7 | 29.3 | 30.1    | 30.5 | 29.0           | 29.8              | 29.4 | 30.2 | 30.6 |
|                                                                  | 6H  | 29.2             | 29.9 | 29.7 | 30.3    | 30.8 | 29.1           | 29.8              | 29.5 | 30.2 | 30.6 |
|                                                                  | 8H  | 29.3             | 29.9 | 29.8 | 30.3    | 30.8 | 29.0           | 29.6              | 29.5 | 30.1 | 30.5 |
|                                                                  | 12H | 29.3             | 29.8 | 29.8 | 30.3    | 30.8 | 29.0           | 29.5              | 29.5 | 30.0 | 30.4 |
| 12H                                                              | 4H  | 28.9             | 29.6 | 29.3 | 30.0    | 30.4 | 29.0           | 29.7              | 29.4 | 30.1 | 30.5 |
|                                                                  | 6H  | 29.2             | 29.8 | 29.7 | 30.2    | 30.7 | 29.1           | 29.7              | 29.5 | 30.1 | 30.5 |
|                                                                  | 8H  | 29.3             | 29.8 | 29.8 | 30.3    | 30.7 | 29.0           | 29.6              | 29.5 | 30.0 | 30.5 |
| Variations with the observer position at spacings:               |     |                  |      |      |         |      |                |                   |      |      |      |
| S = 1.0H                                                         |     | + 0.2 / - 0.3    |      |      |         |      | + 0.3 / - 0.3  |                   |      |      |      |
| 1.5H                                                             |     | + 0.2 / - 0.3    |      |      |         |      | + 0.1 / - 0.3  |                   |      |      |      |
| 2.0H                                                             |     | + 0.3 / - 0.3    |      |      |         |      | + 0.4 / - 0.4  |                   |      |      |      |

CIE Pub.117 Corrected 1620 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-04-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 电源: 金永信  
 灯珠参数: 26-28lm/颗 单颗0.2W 6000K

## UTILIZATION FACTORS TABLE

|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 60                                                  | 49  | 42        | 60  | 49  | 42  | 58  | 48            | 42  | 36     |
| 0.80                             | 70                                                  | 59  | 52        | 69  | 59  | 52  | 68  | 58            | 52  | 45     |
| 1.00                             | 79                                                  | 68  | 61        | 78  | 68  | 61  | 75  | 69            | 61  | 54     |
| 1.25                             | 86                                                  | 76  | 69        | 84  | 75  | 69  | 82  | 74            | 68  | 61     |
| 1.50                             | 91                                                  | 81  | 75        | 89  | 81  | 74  | 86  | 79            | 73  | 66     |
| 2.00                             | 97                                                  | 89  | 83        | 95  | 88  | 83  | 92  | 86            | 81  | 74     |
| 2.50                             | 101                                                 | 94  | 88        | 99  | 92  | 87  | 95  | 90            | 85  | 78     |
| 3.00                             | 104                                                 | 98  | 93        | 102 | 96  | 92  | 98  | 93            | 89  | 81     |
| 4.00                             | 108                                                 | 103 | 98        | 105 | 101 | 97  | 101 | 97            | 94  | 86     |
| 5.00                             | 110                                                 | 106 | 102       | 108 | 104 | 100 | 103 | 100           | 97  | 88     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-04-29

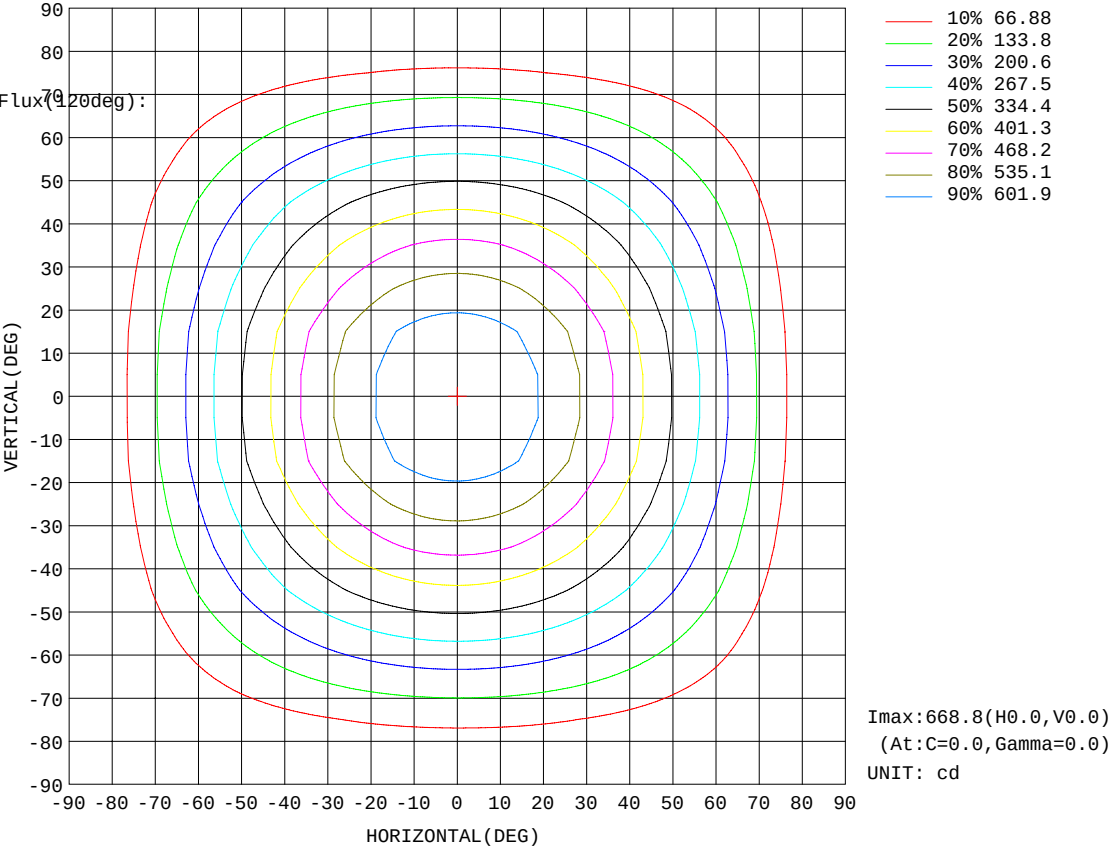
γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 电源: 金永信  
 灯珠参数: 26-28lm/颗 单颗0.2W 6000K

ISOCANDELA DIAGRAM

|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |

Conical surface Flux(90deg):  
954.39 lm  
%lum = 58.9%  
%lamp = 58.9%

Conical surface Flux(70deg):  
1353.2 lm  
%lum = 83.5%  
%lamp = 83.5%

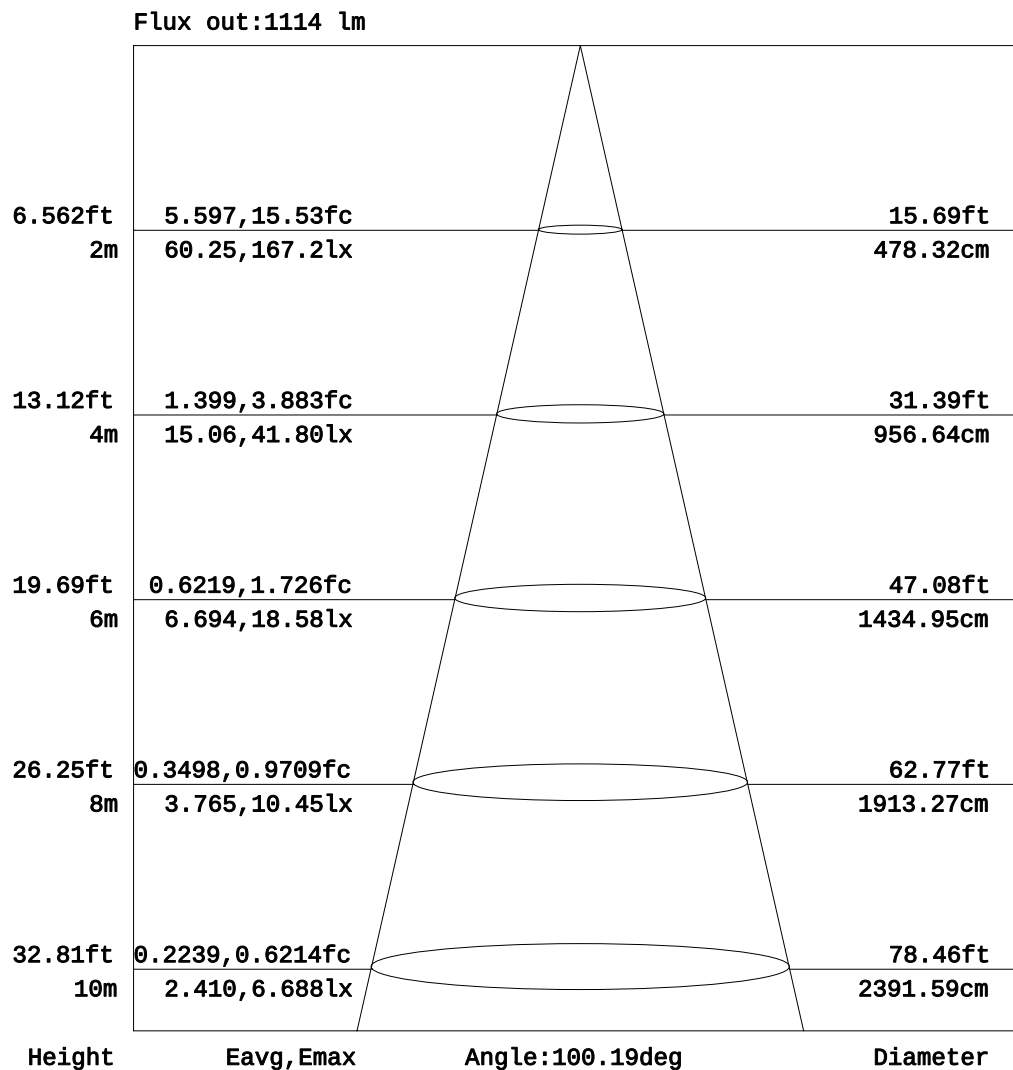


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2015-04-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks: 电源: 金永信  
灯珠参数: 26-28lm/颗 单颗0.2W 6000K

## AAI Figure

|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |



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

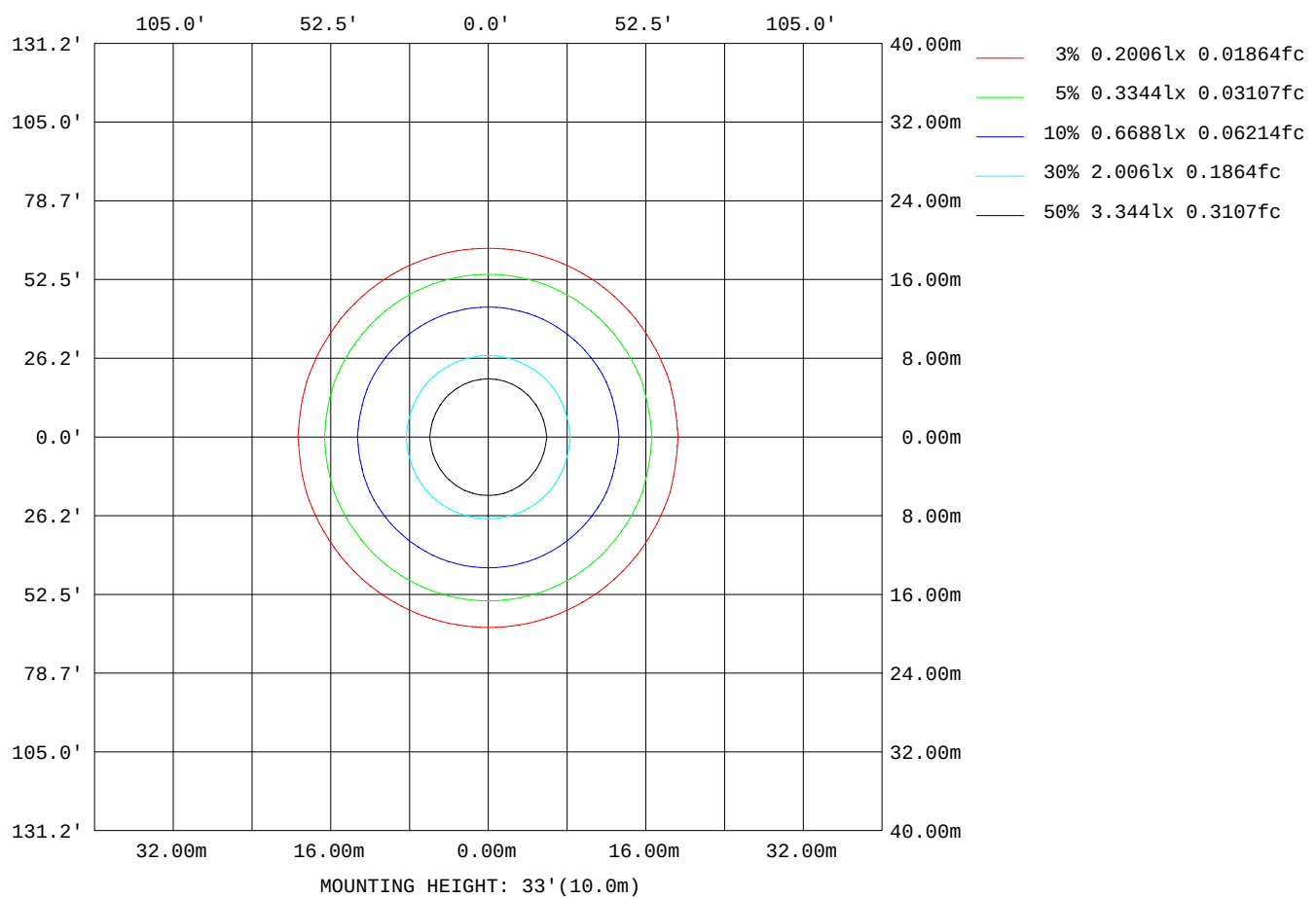
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2015-04-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks: 电源: 金永信  
灯珠参数: 26-28lm/颗 单颗0.2W 6000K



## ISOLUX DIAGRAM

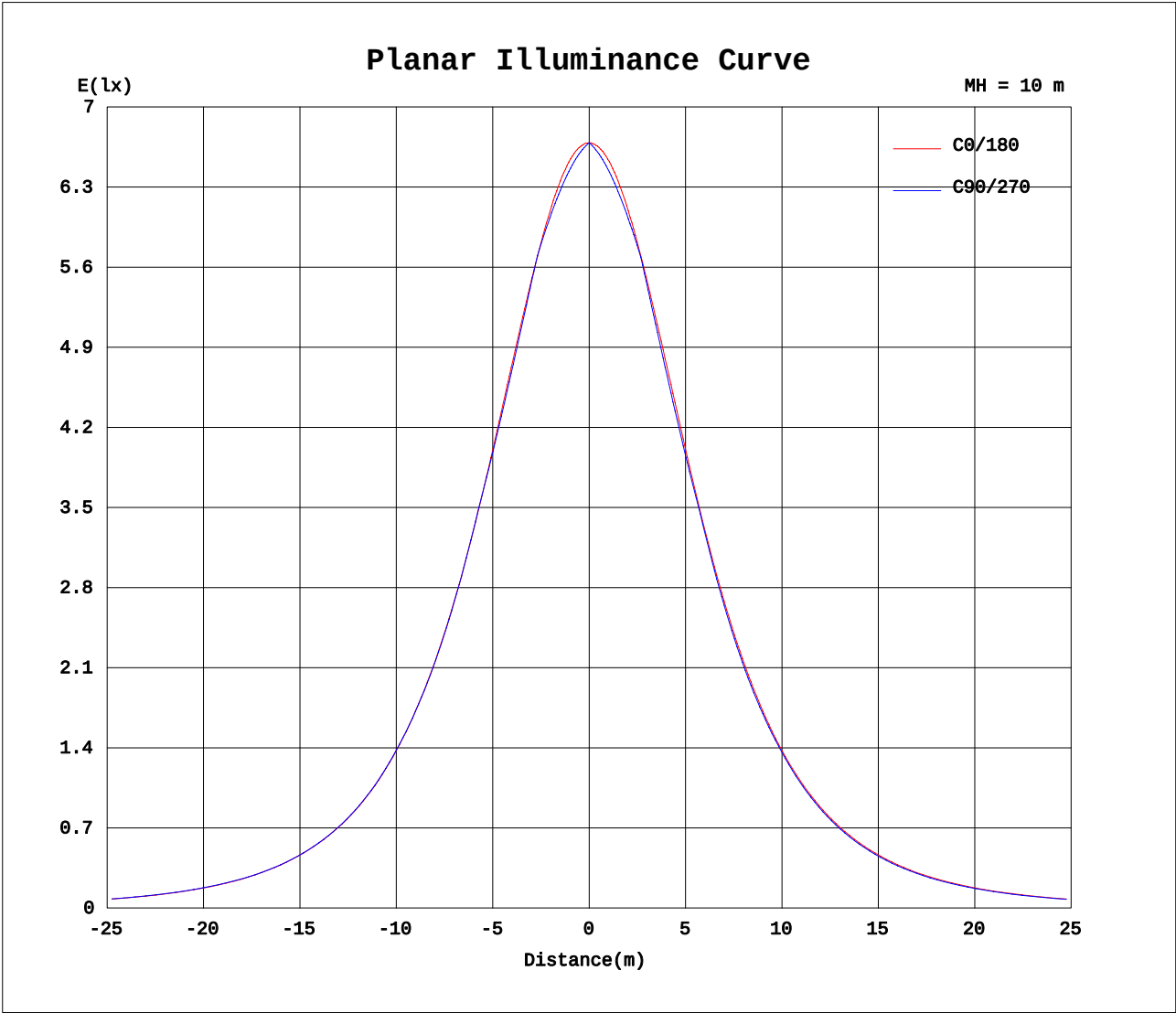
|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-04-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 电源: 金永信  
 灯珠参数: 26-28lm/颗 单颗0.2W 6000K

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2015-04-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks: 电源: 金永信  
灯珠参数: 26-28lm/颗 单颗0.2W 6000K

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |

**Table - -1**

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2015-04-29

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: 电源: 金永信
          灯珠参数: 26-28lm/颗 单颗0.2W 6000K

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: 电源: 金永信
          灯珠参数: 26-28lm/颗 单颗0.2W 6000K

```

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                  |         |                   |
|------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0880A P:19.00W PF:0.9720 Lamp Flux:1620.4x1 lm |         |                   |
| NAME: 面板灯                                                        | TYPE:室内 | WEIGHT:0.3        |
| SPEC.:LBT-PL-18C                                                 | DIM.:   | SERIAL No.:       |
| MFR.:                                                            | SUR.:   | PROTECTION ANGLE: |

Table - - 3

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2015-04-29

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: 电源: 金永信
          灯珠参数: 26-28lm/颗 单颗0.2W 6000K

```

