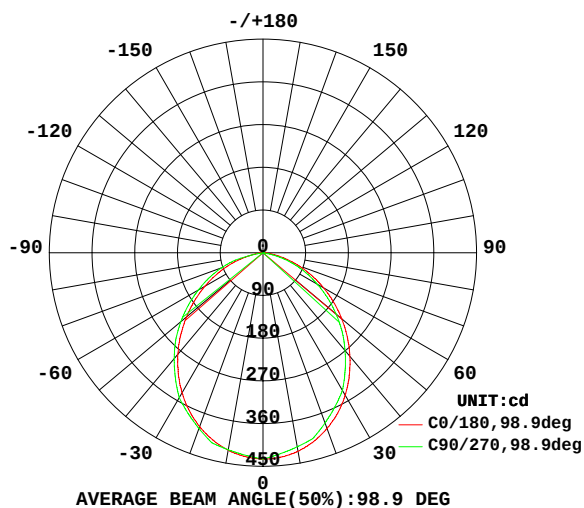


## LUMINAIRE PHOTOMETRIC TEST REPORT

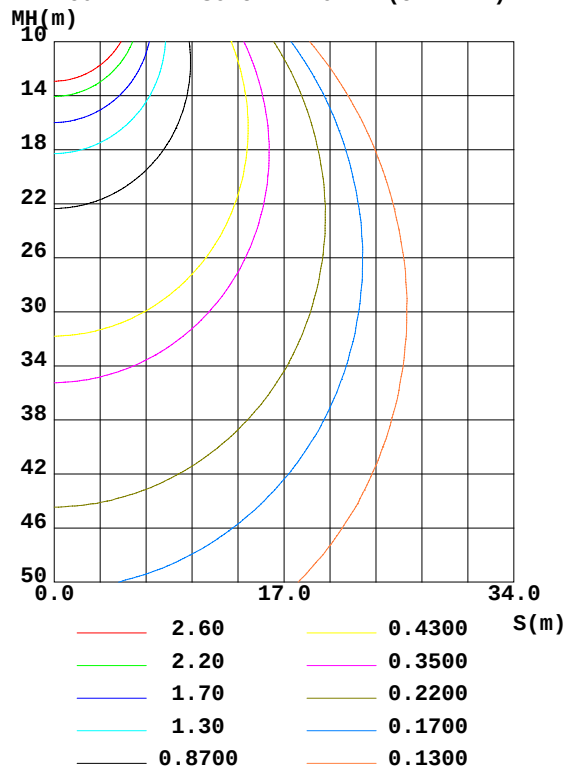
|                                                                   |         |                   |
|-------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | DIM.:   | SERIAL No.:       |
| MFR.:                                                             | SUR.:   | PROTECTION ANGLE: |

| DATA OF LAMP     |            | PHOTOMETRIC DATA      |        |                    |           | Eff: 78.10 lm/W |
|------------------|------------|-----------------------|--------|--------------------|-----------|-----------------|
| MODEL            | 2835 5P12S | I <sub>max</sub> (cd) | 434.7  | S/MH(C0/180)       | 1.19      |                 |
| NOMINAL POWER(W) | 12         | LOR(%)                | 100.0  | S/MH(C90/270)      | 1.16      |                 |
| RATED VOLTAGE(V) | 120        | TOTAL FLUX(lm)        | 1030.9 | η UP, DN(C0-180)   | 0.0, 51.6 |                 |
| NOMINAL FLUX(lm) | 1030.94    | CIE CLASS             | DIRECT | η UP, DN(C180-360) | 0.0, 48.4 |                 |
| 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        | 431.0                 | 427.9 | 428.1 | 428.9 | 432.3  | 426.6 | 424.9 | 425.7 | 0- 5     | 10.29       | 10.29        | 1.00,1.00  |
| 10       | 422.3                 | 418.7 | 421.5 | 420.6 | 424.5  | 416.1 | 415.2 | 414.4 | 5- 10    | 30.26       | 40.55        | 3.93,3.93  |
| 15       | 408.4                 | 407.5 | 414.8 | 410.2 | 411.8  | 403.5 | 405.4 | 400.9 | 10- 15   | 48.96       | 89.51        | 8.68,8.68  |
| 20       | 389.7                 | 393.6 | 394.2 | 397.3 | 394.0  | 388.8 | 381.9 | 385.2 | 15- 20   | 65.60       | 155.1        | 15.15      |
| 25       | 367.3                 | 370.0 | 373.5 | 374.0 | 372.7  | 363.4 | 358.4 | 359.5 | 20- 25   | 79.17       | 234.3        | 22.7,22.7  |
| 30       | 341.1                 | 343.3 | 352.8 | 347.6 | 346.3  | 335.5 | 334.9 | 331.4 | 25- 30   | 89.49       | 323.8        | 31.4,31.4  |
| 35       | 311.4                 | 315.8 | 322.0 | 320.3 | 316.6  | 306.5 | 301.9 | 302.5 | 30- 35   | 96.17       | 419.9        | 40.7,40.7  |
| 40       | 279.0                 | 287.0 | 291.1 | 291.3 | 284.7  | 276.2 | 269.0 | 272.4 | 35- 40   | 98.68       | 518.6        | 50.3,50.3  |
| 45       | 245.3                 | 252.1 | 260.2 | 256.5 | 251.3  | 240.8 | 236.0 | 236.7 | 40- 45   | 97.44       | 616.1        | 59.8,59.8  |
| 50       | 210.2                 | 218.0 | 225.9 | 222.3 | 216.7  | 205.9 | 201.2 | 201.9 | 45- 50   | 92.75       | 708.8        | 68.8,68.8  |
| 55       | 175.9                 | 184.8 | 191.7 | 189.2 | 181.6  | 172.1 | 166.3 | 168.0 | 50- 55   | 84.85       | 793.7        | 77.77      |
| 60       | 141.5                 | 150.2 | 157.4 | 154.1 | 146.9  | 137.0 | 131.5 | 133.3 | 55- 60   | 74.31       | 868.0        | 84.2,84.2  |
| 65       | 107.7                 | 116.9 | 125.2 | 120.4 | 113.2  | 103.1 | 99.75 | 100.1 | 60- 65   | 61.71       | 929.7        | 90.2,90.2  |
| 70       | 75.65                 | 85.42 | 92.87 | 88.36 | 80.51  | 71.48 | 68.02 | 69.08 | 65- 70   | 47.82       | 977.5        | 94.8,94.8  |
| 75       | 44.07                 | 55.44 | 60.58 | 58.08 | 49.55  | 42.63 | 36.29 | 40.64 | 70- 75   | 33.06       | 1011         | 98.98      |
| 80       | 17.90                 | 24.55 | 0     | 26.28 | 22.50  | 14.93 | 0     | 13.79 | 75- 80   | 16.83       | 1027         | 99.7,99.7  |
| 85       | 4.909                 | 0     | 0     | 0     | 6.221  | 0     | 0     | 0     | 80- 85   | 3.311       | 1031         | 100,100    |
| 90       | 0.1550                | 0     | 0     | 0     | 0.2217 | 0     | 0     | 0     | 85- 90   | 0.2522      | 1031         | 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     |              |            |

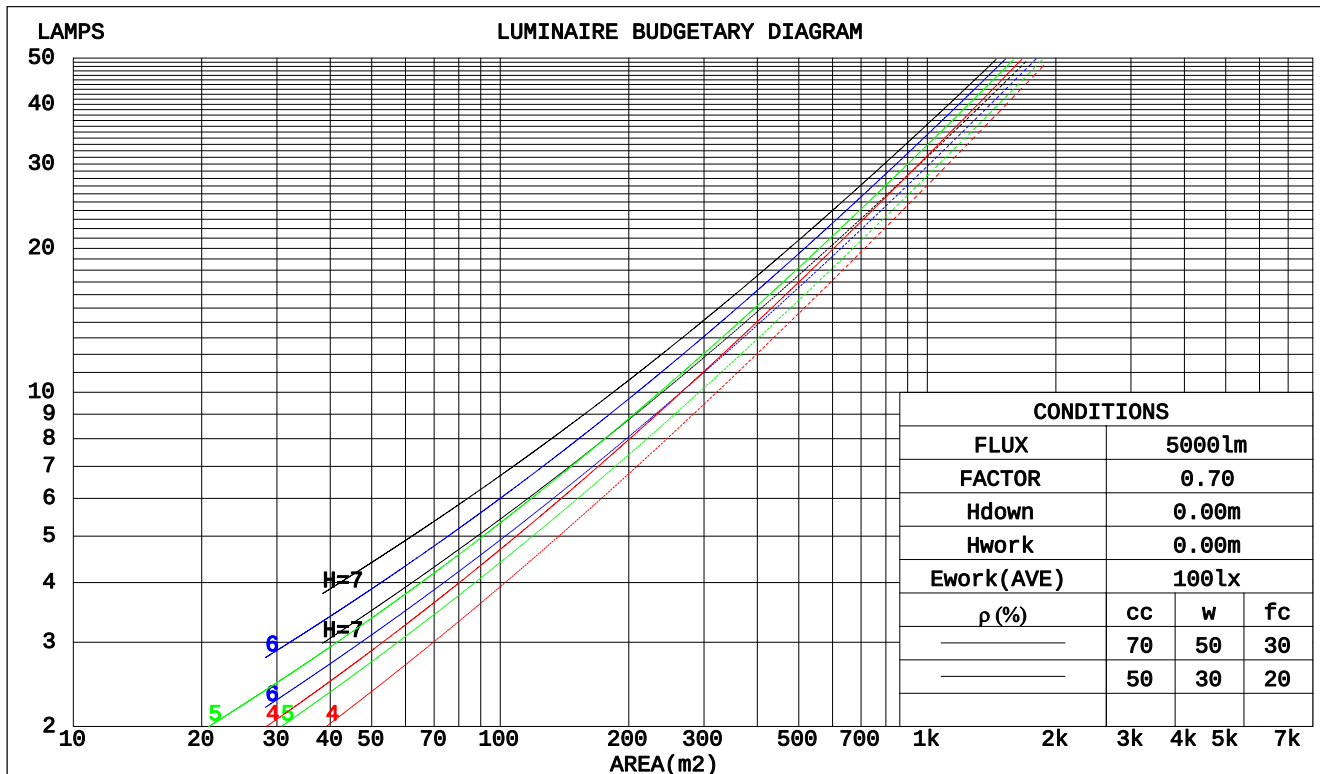
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015-04-29

$\gamma$  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:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | 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 |      |      |      |      |      | 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 | .00 |
| 1.0         | 1.06                  | 1.02 | .98  | 1.03 | .90  | .97  | .99                             | .96  | .94  | .95  | .93  | .91  | .92  | .90  | .88  | .86 |
| 2.0         | .93                   | .87  | .81  | .91  | .85  | .80  | .88                             | .83  | .79  | .84  | .80  | .77  | .81  | .78  | .75  | .73 |
| 3.0         | .82                   | .75  | .69  | .81  | .74  | .68  | .78                             | .72  | .67  | .75  | .70  | .66  | .73  | .68  | .64  | .62 |
| 4.0         | .73                   | .65  | .59  | .72  | .64  | .58  | .70                             | .63  | .57  | .67  | .61  | .57  | .65  | .60  | .56  | .54 |
| 5.0         | .66                   | .57  | .51  | .65  | .57  | .51  | .63                             | .56  | .50  | .61  | .54  | .50  | .59  | .53  | .49  | .47 |
| 6.0         | .59                   | .51  | .45  | .59  | .50  | .45  | .57                             | .50  | .44  | .55  | .49  | .44  | .54  | .48  | .43  | .41 |
| 7.0         | .54                   | .46  | .40  | .53  | .45  | .40  | .52                             | .45  | .39  | .50  | .44  | .39  | .49  | .43  | .39  | .37 |
| 8.0         | .49                   | .41  | .36  | .49  | .41  | .35  | .48                             | .40  | .35  | .46  | .40  | .35  | .45  | .39  | .35  | .33 |
| 9.0         | .46                   | .38  | .32  | .45  | .37  | .32  | .44                             | .37  | .32  | .43  | .36  | .32  | .42  | .36  | .32  | .30 |
| 10.0        | .42                   | .34  | .29  | .42  | .34  | .29  | .41                             | .34  | .29  | .40  | .33  | .29  | .39  | .33  | .29  | .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:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |  |  |  |  |         |  |  |                   |  |
| NAME: 面板灯                                                         |  |  |  |  | TYPE:室内 |  |  | WEIGHT:0.2        |  |
| SPEC.:LBT-PL-12C                                                  |  |  |  |  | DIM.:   |  |  | SERIAL No.:       |  |
| MFR.:                                                             |  |  |  |  | SUR.:   |  |  | PROTECTION ANGLE: |  |

| 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 |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0             |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0             | .276                  | .157 | .050 | .269 | .153 | .049 | .256                            | .147 | .047 | .244 | .140 | .045 | .232 | .135 | .043 |   |  |
| 2.0             | .267                  | .146 | .045 | .261 | .144 | .044 | .250                            | .139 | .043 | .239 | .134 | .042 | .229 | .130 | .041 |   |  |
| 3.0             | .251                  | .134 | .040 | .246 | .132 | .040 | .236                            | .128 | .039 | .226 | .124 | .038 | .218 | .121 | .037 |   |  |
| 4.0             | .234                  | .122 | .036 | .230 | .120 | .036 | .221                            | .117 | .035 | .212 | .114 | .034 | .205 | .111 | .034 |   |  |
| 5.0             | .219                  | .111 | .032 | .214 | .110 | .032 | .206                            | .107 | .032 | .199 | .105 | .031 | .192 | .103 | .031 |   |  |
| 6.0             | .204                  | .102 | .029 | .200 | .101 | .029 | .193                            | .099 | .029 | .186 | .097 | .028 | .180 | .095 | .028 |   |  |
| 7.0             | .191                  | .094 | .027 | .187 | .093 | .027 | .181                            | .092 | .026 | .175 | .090 | .026 | .170 | .088 | .026 |   |  |
| 8.0             | .179                  | .087 | .025 | .176 | .087 | .024 | .170                            | .085 | .024 | .165 | .084 | .024 | .160 | .082 | .024 |   |  |
| 9.0             | .168                  | .081 | .023 | .166 | .081 | .023 | .160                            | .079 | .022 | .156 | .078 | .022 | .151 | .077 | .022 |   |  |
| 10.0            | .159                  | .076 | .021 | .156 | .075 | .021 | .152                            | .074 | .021 | .147 | .073 | .021 | .143 | .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 | .082 | .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 | .098 | .067 | .095                                       | .068 | .047 | .055 | .040 | .028 | .018 | .013 | .009 |   |
| 4.0             | .153                  | .101 | .061 | .131 | .087 | .053 | .090                                       | .061 | .037 | .052 | .036 | .022 | .017 | .012 | .007 |   |
| 5.0             | .146                  | .090 | .049 | .125 | .078 | .043 | .086                                       | .054 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0             | .139                  | .082 | .041 | .119 | .071 | .035 | .082                                       | .050 | .025 | .048 | .029 | .015 | .015 | .010 | .005 |   |
| 7.0             | .132                  | .075 | .034 | .114 | .065 | .030 | .079                                       | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0             | .126                  | .069 | .030 | .109 | .060 | .026 | .075                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0             | .120                  | .064 | .026 | .104 | .055 | .023 | .072                                       | .039 | .016 | .042 | .023 | .010 | .014 | .008 | .003 |   |
| 10.0            | .115                  | .060 | .023 | .099 | .052 | .020 | .069                                       | .036 | .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:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |               |                  |      |      |         |               |                |                   |      |      |      |
| NAME: 面板灯                                                         |               |                  |      |      | TYPE:室内 |               |                | WEIGHT:0.2        |      |      |      |
| SPEC.:LBT-PL-12C                                                  |               |                  |      |      | 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                                                     | 24.6          | 26.1             | 24.9 | 26.3 | 26.5    | 25.1          | 26.5           | 25.4              | 26.7 | 26.9 |      |
|                                                                   | 3H            | 25.7             | 27.1 | 26.0 | 27.3    | 27.5          | 26.4           | 27.8              | 26.7 | 28.0 | 28.2 |
|                                                                   | 4H            | 26.1             | 27.3 | 26.4 | 27.6    | 27.8          | 26.9           | 28.2              | 27.2 | 28.4 | 28.7 |
|                                                                   | 6H            | 26.2             | 27.4 | 26.5 | 27.6    | 27.9          | 26.9           | 28.1              | 27.3 | 28.4 | 28.7 |
|                                                                   | 8H            | 26.2             | 27.3 | 26.5 | 27.6    | 27.9          | 26.9           | 28.0              | 27.2 | 28.3 | 28.6 |
|                                                                   | 12H           | 26.1             | 27.2 | 26.5 | 27.5    | 27.8          | 26.8           | 27.9              | 27.2 | 28.2 | 28.5 |
| 4H                                                                | 2H            | 25.2             | 26.5 | 25.5 | 26.7    | 27.0          | 25.6           | 26.8              | 25.9 | 27.1 | 27.3 |
|                                                                   | 3H            | 26.5             | 27.6 | 26.8 | 27.9    | 28.2          | 27.1           | 28.2              | 27.4 | 28.5 | 28.8 |
|                                                                   | 4H            | 26.9             | 27.9 | 27.3 | 28.2    | 28.6          | 27.7           | 28.7              | 28.0 | 29.0 | 29.3 |
|                                                                   | 6H            | 27.1             | 28.0 | 27.5 | 28.3    | 28.7          | 27.7           | 28.6              | 28.1 | 29.0 | 29.3 |
|                                                                   | 8H            | 27.1             | 27.9 | 27.5 | 28.3    | 28.7          | 27.7           | 28.5              | 28.1 | 28.9 | 29.3 |
|                                                                   | 12H           | 27.1             | 27.8 | 27.5 | 28.2    | 28.6          | 27.7           | 28.4              | 28.1 | 28.8 | 29.2 |
| 8H                                                                | 4H            | 27.1             | 28.0 | 27.5 | 28.3    | 28.7          | 27.8           | 28.6              | 28.2 | 29.0 | 29.4 |
|                                                                   | 6H            | 27.4             | 28.1 | 27.9 | 28.5    | 28.9          | 27.9           | 28.6              | 28.4 | 29.0 | 29.4 |
|                                                                   | 8H            | 27.5             | 28.0 | 27.9 | 28.5    | 28.9          | 27.9           | 28.5              | 28.3 | 28.9 | 29.4 |
|                                                                   | 12H           | 27.5             | 28.0 | 27.9 | 28.4    | 28.9          | 27.9           | 28.4              | 28.3 | 28.8 | 29.3 |
| 12H                                                               | 4H            | 27.1             | 27.9 | 27.5 | 28.2    | 28.6          | 27.8           | 28.6              | 28.2 | 28.9 | 29.3 |
|                                                                   | 6H            | 27.4             | 28.0 | 27.9 | 28.4    | 28.9          | 27.9           | 28.5              | 28.4 | 28.9 | 29.4 |
|                                                                   | 8H            | 27.4             | 28.0 | 27.9 | 28.4    | 28.9          | 27.9           | 28.4              | 28.4 | 28.8 | 29.3 |
| Variations with the observer position at spacings:                |               |                  |      |      |         |               |                |                   |      |      |      |
| S = 1.0H                                                          | + 0.2 / - 0.3 |                  |      |      |         | + 0.2 / - 0.3 |                |                   |      |      |      |
| 1.5H                                                              | + 0.2 / - 0.4 |                  |      |      |         | + 0.1 / - 0.3 |                |                   |      |      |      |
| 2.0H                                                              | + 0.4 / - 0.4 |                  |      |      |         | + 0.4 / - 0.4 |                |                   |      |      |      |

CIE Pub.117 Corrected 1031 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.1)

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:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 61                                                  | 50  | 43        | 60  | 49  | 43  | 59  | 49            | 43  | 37     |
| 0.80                             | 71                                                  | 60  | 53        | 70  | 59  | 53  | 68  | 59            | 52  | 46     |
| 1.00                             | 79                                                  | 69  | 62        | 78  | 68  | 62  | 76  | 69            | 61  | 55     |
| 1.25                             | 86                                                  | 76  | 70        | 85  | 76  | 69  | 82  | 74            | 69  | 62     |
| 1.50                             | 91                                                  | 82  | 76        | 89  | 81  | 75  | 86  | 79            | 74  | 67     |
| 2.00                             | 97                                                  | 90  | 84        | 96  | 89  | 83  | 92  | 86            | 82  | 74     |
| 2.50                             | 101                                                 | 94  | 89        | 99  | 93  | 88  | 95  | 90            | 86  | 78     |
| 3.00                             | 104                                                 | 98  | 93        | 102 | 96  | 92  | 98  | 94            | 90  | 82     |
| 4.00                             | 108                                                 | 103 | 99        | 106 | 101 | 97  | 101 | 98            | 95  | 86     |
| 5.00                             | 110                                                 | 106 | 102       | 108 | 104 | 101 | 103 | 100           | 98  | 89     |
| 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

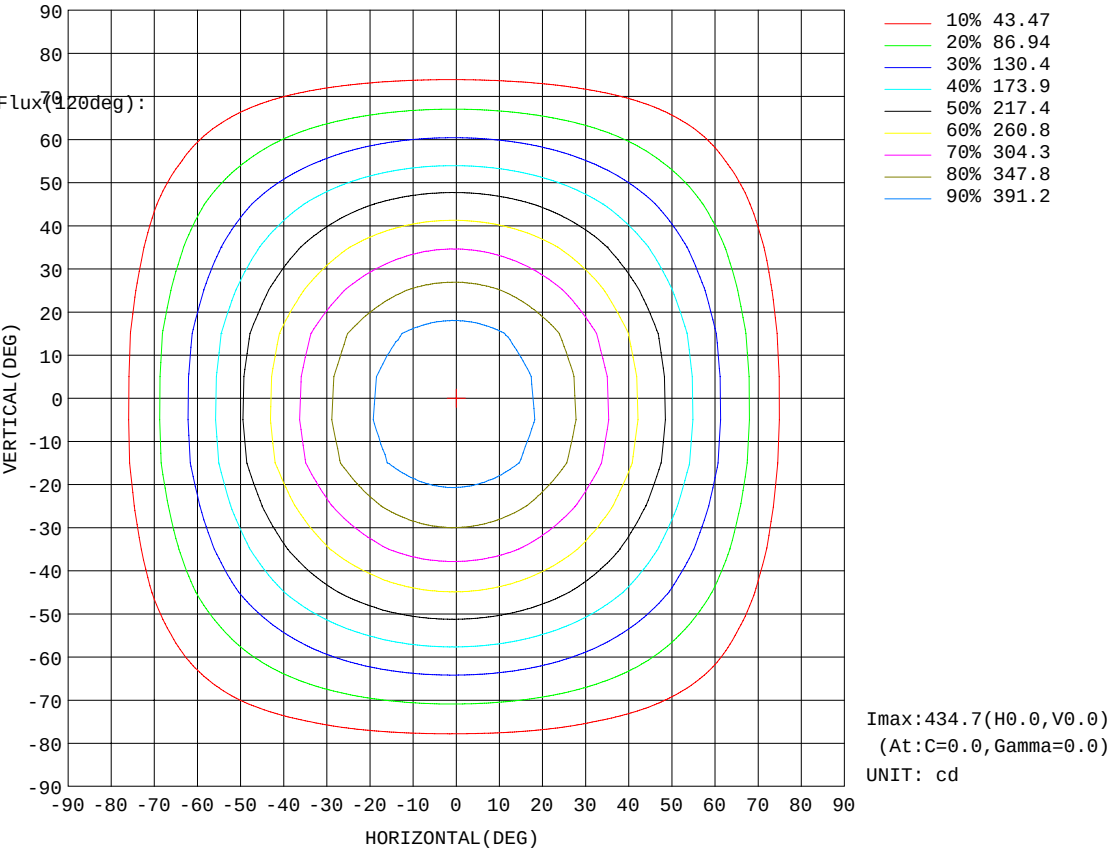
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: 电源: 金永信  
 灯珠参数: 26-28lm/颗 单颗0.2W 6000K

ISOCANDELA DIAGRAM

|                                                                   |         |                   |
|-------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | DIM.:   | SERIAL No.:       |
| MFR.:                                                             | SUR.:   | PROTECTION ANGLE: |

Conical surface Flux(90deg):  
616.06 lm  
%lum = 59.8%  
%lamp = 59.8%

Conical surface Flux(70deg):  
867.96 lm  
%lum = 84.2%  
%lamp = 84.2%



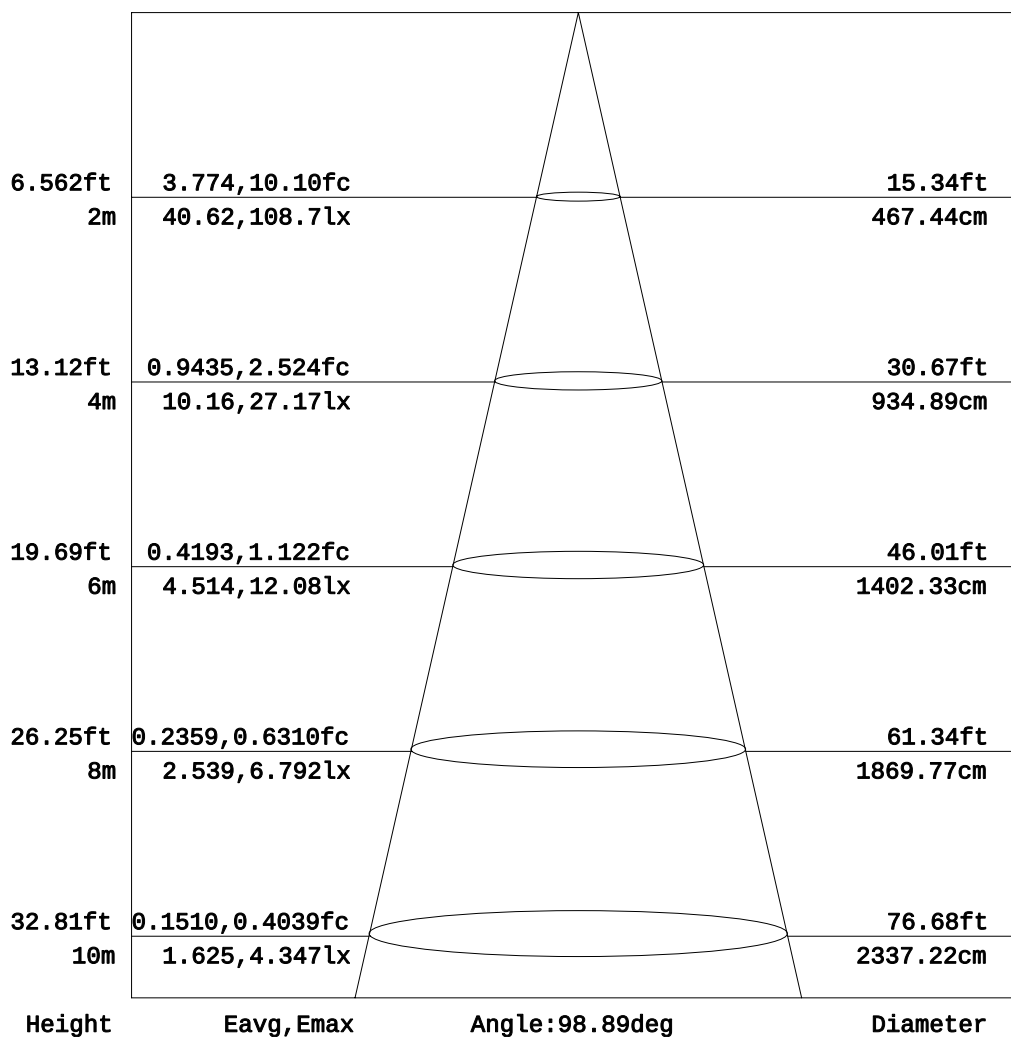
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2015-04-29

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:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | DIM.:   | SERIAL No.:       |
| MFR.:                                                             | SUR.:   | PROTECTION ANGLE: |

Flux out:699.8 lm



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

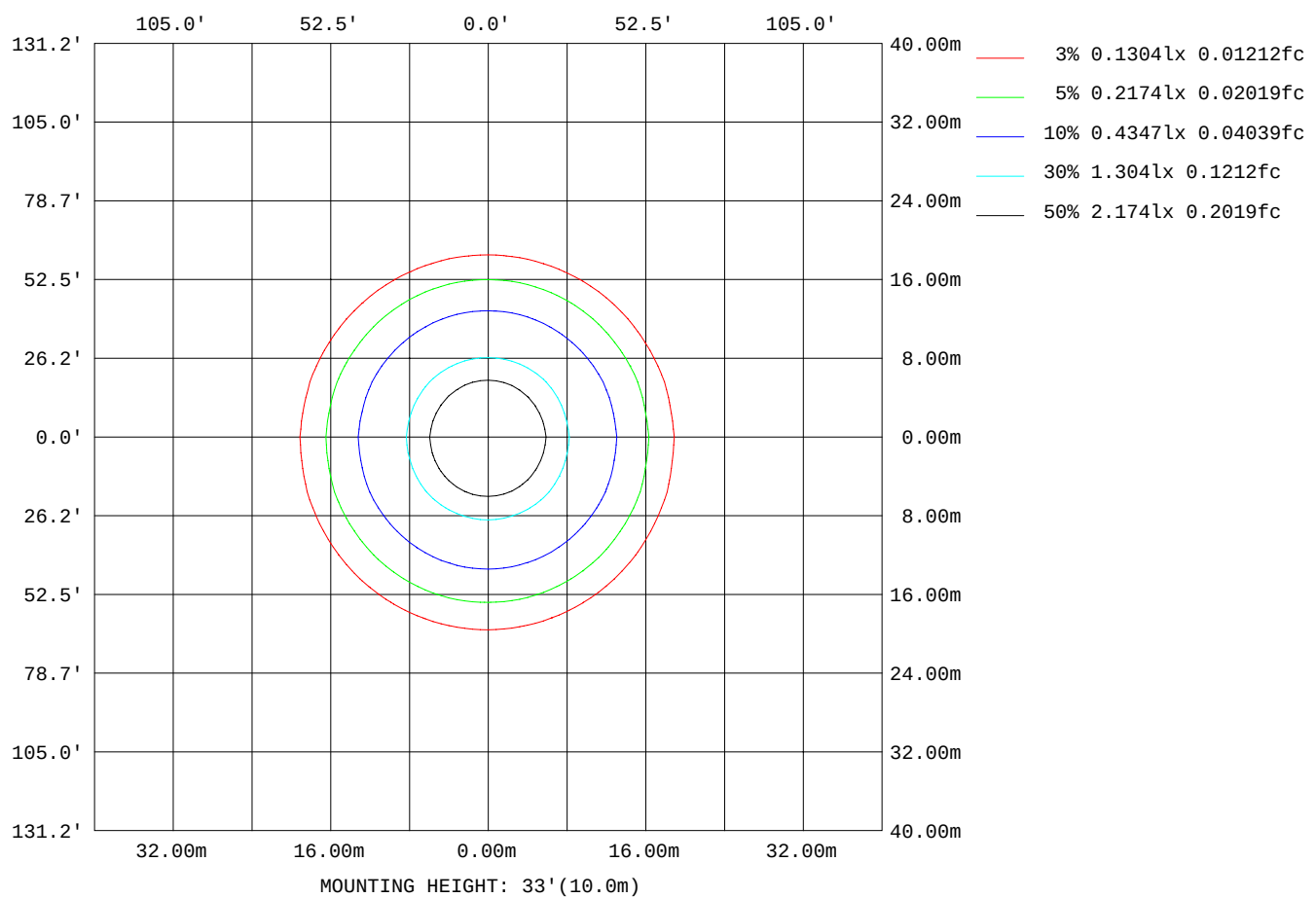
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2015-04-29

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

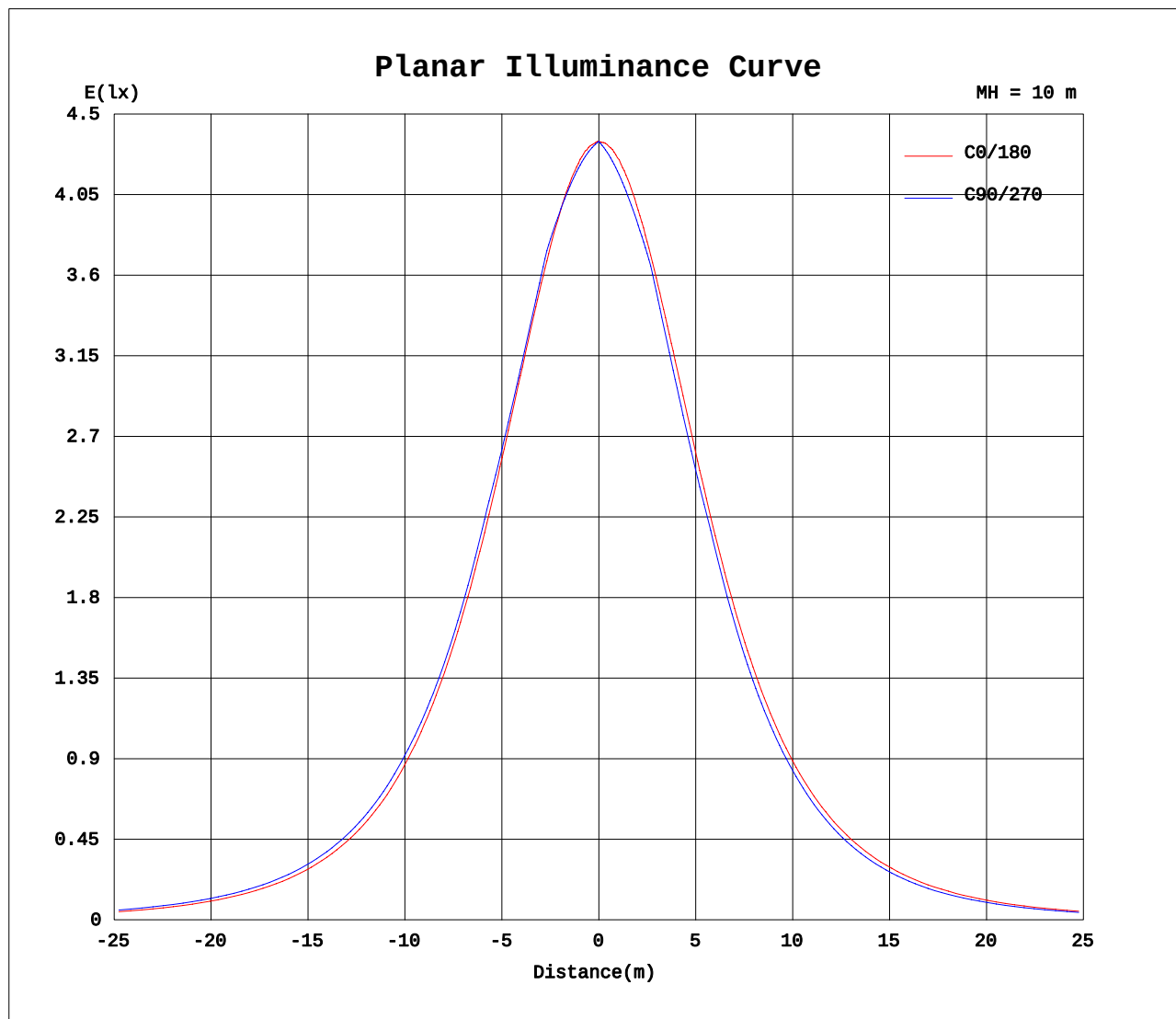
|                                                                   |         |                   |
|-------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | 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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 $\gamma$  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

$\gamma$  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

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |         |                   |
|-------------------------------------------------------------------|---------|-------------------|
| Test:U:120.3V I:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | 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:0.0620A P:13.20W PF:0.9540 Lamp Flux:1030.94x1 lm |         |                   |
| NAME: 面板灯                                                         | TYPE:室内 | WEIGHT:0.2        |
| SPEC.:LBT-PL-12C                                                  | 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

```