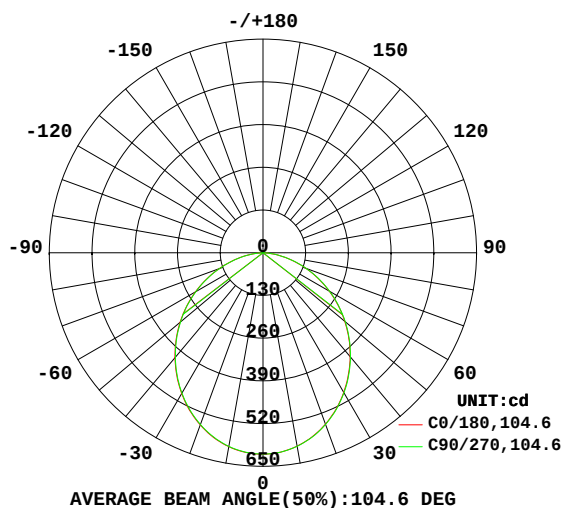


## LUMINAIRE PHOTOMETRIC TEST REPORT

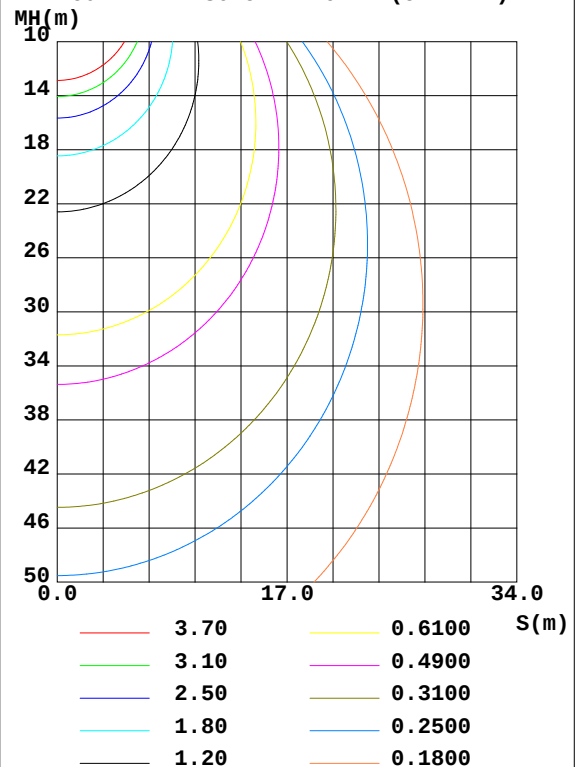
|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | Shielding Angle: |

| DATA OF LAMP     |               | PHOTOMETRIC DATA Eff: 116.34 lm/W |        |                    |           |
|------------------|---------------|-----------------------------------|--------|--------------------|-----------|
| MODEL            | 2835 96 5700K | I <sub>max</sub> (cd)             | 613.2  | S/MH(C0/180)       | 1.21      |
| NOMINAL POWER(W) | 15            | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.20      |
| RATED VOLTAGE(V) | 220-240       | TOTAL FLUX(lm)                    | 1596.8 | η UP, DN(C0-180)   | 0.0, 49.9 |
| NOMINAL FLUX(lm) | 1596.8        | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.0, 50.1 |
| LAMPS INSIDE     | 1             | η up(%)                           | 0.0    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 220           | 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: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-03-13

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

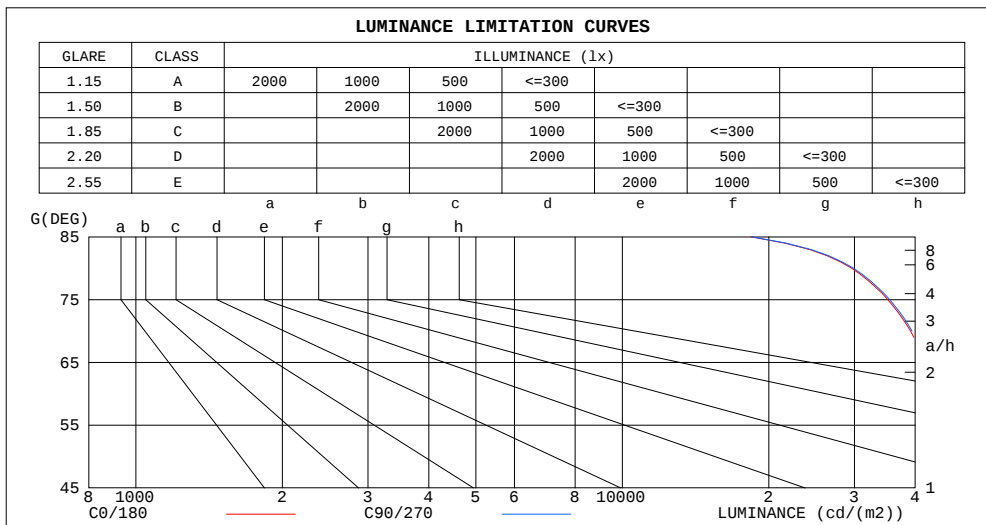
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 597.7                 | 597.7  | 598.0  | 598.7  | 599.2  | 598.8  | 598.3  | 598.4  | 0- 10    | 57.81       | 57.81        | 3.62, 3.62 |
| 20       | 555.3                 | 555.3  | 556.2  | 557.1  | 558.0  | 557.1  | 556.6  | 556.5  | 10- 20   | 163.6       | 221.5        | 13.9, 13.9 |
| 30       | 491.2                 | 491.4  | 492.6  | 493.8  | 494.9  | 493.7  | 493.2  | 493.1  | 20- 30   | 242.7       | 464.2        | 29.1, 29.1 |
| 40       | 412.6                 | 412.7  | 414.1  | 415.5  | 416.7  | 415.5  | 415.1  | 414.9  | 30- 40   | 284.7       | 748.9        | 46.9, 46.9 |
| 50       | 325.3                 | 325.4  | 326.8  | 328.1  | 329.4  | 328.2  | 327.8  | 327.7  | 40- 50   | 286.8       | 1036         | 64.9, 64.9 |
| 60       | 232.4                 | 232.7  | 233.8  | 234.8  | 236.8  | 235.7  | 235.3  | 235.2  | 50- 60   | 251.6       | 1287         | 80.6, 80.6 |
| 70       | 138.9                 | 139.4  | 140.0  | 140.6  | 142.4  | 141.6  | 141.0  | 140.9  | 60- 70   | 185.4       | 1473         | 92.2, 92.2 |
| 80       | 53.43                 | 53.88  | 53.87  | 53.99  | 55.59  | 55.29  | 54.63  | 54.32  | 70- 80   | 101.6       | 1574         | 98.6, 98.6 |
| 90       | 0.6799                | 0.6799 | 0.6753 | 0.6707 | 0.7396 | 0.7396 | 0.7396 | 0.7396 | 80- 90   | 22.53       | 1597         | 100, 100   |
| 100      |                       |        |        |        |        |        |        |        | 90-100   |             |              |            |
| 110      |                       |        |        |        |        |        |        |        | 100-110  |             |              |            |
| 120      |                       |        |        |        |        |        |        |        | 110-120  |             |              |            |
| 130      |                       |        |        |        |        |        |        |        | 120-130  |             |              |            |
| 140      |                       |        |        |        |        |        |        |        | 130-140  |             |              |            |
| 150      |                       |        |        |        |        |        |        |        | 140-150  |             |              |            |
| 160      |                       |        |        |        |        |        |        |        | 150-160  |             |              |            |
| 170      |                       |        |        |        |        |        |        |        | 160-170  |             |              |            |
| 180      |                       |        |        |        |        |        |        |        | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-03-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 18370  | 18447   |
| 80                | 29612  | 29860   |
| 75                | 35131  | 35442   |
| 70                | 39101  | 39398   |
| 65                | 42198  | 42482   |
| 60                | 44729  | 44999   |
| 55                | 46862  | 47097   |
| 50                | 48704  | 48936   |
| 45                | 50329  | 50539   |

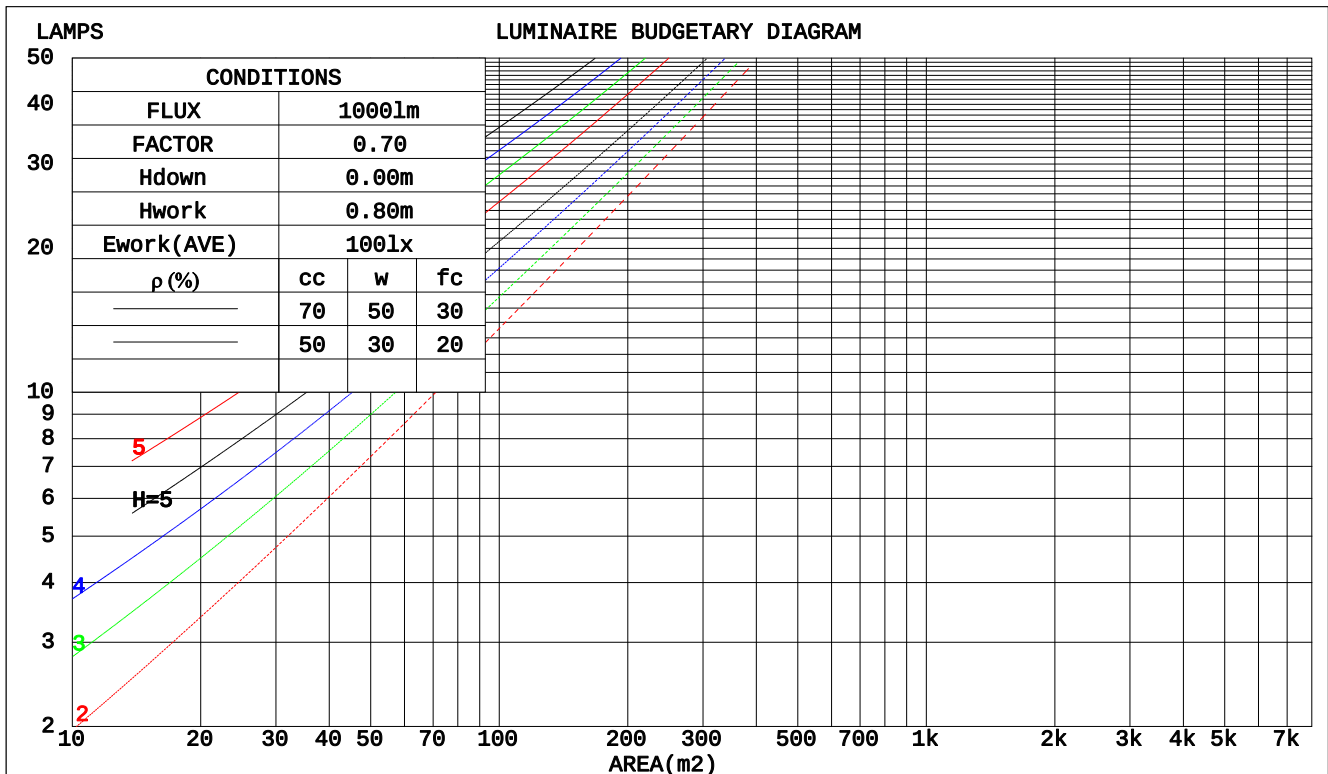
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-03-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | 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                   | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| RCR:Room Cavity Ratio |                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 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                   | 1.04                            | 1.00 | .97  | 1.02 | .98  | .95  | .98  | .95  | .92  | .94  | .92  | .89  | .90  | .88  | .87  | .84  |
| 2.0                   | .91                             | .85  | .79  | .89  | .83  | .78  | .86  | .81  | .76  | .83  | .78  | .75  | .80  | .76  | .73  | .71  |
| 3.0                   | .80                             | .72  | .66  | .79  | .71  | .65  | .76  | .70  | .64  | .73  | .68  | .63  | .71  | .66  | .62  | .60  |
| 4.0                   | .71                             | .63  | .56  | .70  | .62  | .56  | .68  | .61  | .55  | .65  | .59  | .54  | .63  | .58  | .53  | .51  |
| 5.0                   | .64                             | .55  | .48  | .63  | .54  | .48  | .61  | .53  | .48  | .59  | .52  | .47  | .57  | .51  | .47  | .45  |
| 6.0                   | .58                             | .49  | .42  | .57  | .48  | .42  | .55  | .47  | .42  | .53  | .47  | .42  | .52  | .46  | .41  | .39  |
| 7.0                   | .52                             | .44  | .38  | .52  | .43  | .37  | .50  | .43  | .37  | .49  | .42  | .37  | .47  | .41  | .37  | .35  |
| 8.0                   | .48                             | .39  | .34  | .47  | .39  | .33  | .46  | .38  | .33  | .45  | .38  | .33  | .43  | .37  | .33  | .31  |
| 9.0                   | .44                             | .36  | .30  | .43  | .36  | .30  | .42  | .35  | .30  | .41  | .35  | .30  | .40  | .34  | .30  | .28  |
| 10.0                  | .41                             | .33  | .28  | .40  | .33  | .27  | .39  | .32  | .27  | .38  | .32  | .27  | .37  | .31  | .27  | .25  |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-03-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

### WEC AND CCEC

|                                                                                 |  |  |             |  |                  |
|---------------------------------------------------------------------------------|--|--|-------------|--|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |  |  |             |  |                  |
| NAME: DL1096-WHTC15S01S                                                         |  |  | TYPE:       |  | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   |  |  | DIM.:       |  | SERIAL No.:      |
| MFR.:                                                                           |  |  | SUR.: 115mm |  | Shielding 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  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .298                  | .170 | .054 | .291 | .166 | .053 | .278                            | .160 | .051 | .266 | .153 | .049 | .255 | .148 | .048 |   |
| 2.0  | .283                  | .155 | .048 | .277 | .153 | .047 | .265                            | .147 | .046 | .255 | .143 | .045 | .245 | .138 | .044 |   |
| 3.0  | .263                  | .140 | .042 | .258 | .138 | .042 | .247                            | .134 | .041 | .238 | .130 | .040 | .229 | .127 | .039 |   |
| 4.0  | .244                  | .127 | .037 | .239 | .125 | .037 | .230                            | .122 | .036 | .221 | .119 | .036 | .213 | .116 | .035 |   |
| 5.0  | .226                  | .115 | .033 | .222 | .114 | .033 | .213                            | .111 | .033 | .206 | .109 | .032 | .199 | .106 | .032 |   |
| 6.0  | .210                  | .105 | .030 | .206 | .104 | .030 | .199                            | .102 | .030 | .192 | .100 | .029 | .186 | .098 | .029 |   |
| 7.0  | .196                  | .097 | .027 | .192 | .096 | .027 | .186                            | .094 | .027 | .180 | .092 | .027 | .174 | .090 | .027 |   |
| 8.0  | .183                  | .089 | .025 | .180 | .089 | .025 | .174                            | .087 | .025 | .169 | .086 | .025 | .164 | .084 | .024 |   |
| 9.0  | .172                  | .083 | .023 | .169 | .082 | .023 | .164                            | .081 | .023 | .159 | .080 | .023 | .154 | .078 | .023 |   |
| 10.0 | .162                  | .077 | .022 | .159 | .077 | .021 | .154                            | .076 | .021 | .150 | .075 | .021 | .146 | .073 | .021 |   |

| 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  | 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  | .180                  | .156 | .135 | .154 | .134 | .116 | .105                                       | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0  | .171                  | .132 | .099 | .147 | .114 | .086 | .100                                       | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0  | .163                  | .114 | .075 | .140 | .099 | .065 | .096                                       | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .155                  | .101 | .059 | .133 | .087 | .051 | .092                                       | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0  | .148                  | .090 | .048 | .127 | .078 | .042 | .088                                       | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0  | .141                  | .082 | .040 | .121 | .071 | .035 | .084                                       | .050 | .024 | .048 | .029 | .015 | .016 | .010 | .005 |   |
| 7.0  | .134                  | .075 | .034 | .115 | .065 | .029 | .080                                       | .046 | .021 | .046 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .128                  | .069 | .029 | .110 | .060 | .025 | .076                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .122                  | .064 | .025 | .105 | .056 | .022 | .073                                       | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .116                  | .060 | .023 | .100 | .052 | .020 | .070                                       | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-03-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|                                                                                 |               |                  |      |      |             |               |                |                  |      |      |      |
|---------------------------------------------------------------------------------|---------------|------------------|------|------|-------------|---------------|----------------|------------------|------|------|------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |               |                  |      |      |             |               |                |                  |      |      |      |
| NAME: DL1096-WHTC15S01S                                                         |               |                  |      |      | TYPE:       |               |                | WEIGHT:          |      |      |      |
| SPEC.: white RA80 3000K+5000K                                                   |               |                  |      |      | DIM.:       |               |                | SERIAL No.:      |      |      |      |
| MFR.:                                                                           |               |                  |      |      | SUR.: 115mm |               |                | 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                                                                   | 24.5          | 26.0             | 24.8 | 26.2 | 26.4        | 24.5          | 26.0           | 24.8             | 26.2 | 26.4 |      |
|                                                                                 | 3H            | 25.9             | 27.3 | 26.2 | 27.5        | 27.7          | 25.9           | 27.3             | 26.2 | 27.5 | 27.8 |
|                                                                                 | 4H            | 26.4             | 27.7 | 26.7 | 28.0        | 28.2          | 26.5           | 27.8             | 26.8 | 28.0 | 28.3 |
|                                                                                 | 6H            | 26.8             | 28.0 | 27.1 | 28.3        | 28.6          | 26.8           | 28.0             | 27.1 | 28.3 | 28.6 |
|                                                                                 | 8H            | 26.9             | 28.1 | 27.2 | 28.3        | 28.6          | 26.9           | 28.1             | 27.2 | 28.4 | 28.7 |
|                                                                                 | 12H           | 26.9             | 28.0 | 27.2 | 28.3        | 28.6          | 26.9           | 28.1             | 27.3 | 28.4 | 28.7 |
| 4H                                                                              | 2H            | 25.1             | 26.4 | 25.4 | 26.6        | 26.9          | 25.1           | 26.4             | 25.4 | 26.7 | 26.9 |
|                                                                                 | 3H            | 26.7             | 27.8 | 27.0 | 28.1        | 28.4          | 26.7           | 27.8             | 27.0 | 28.1 | 28.4 |
|                                                                                 | 4H            | 27.3             | 28.4 | 27.7 | 28.7        | 29.0          | 27.3           | 28.4             | 27.7 | 28.7 | 29.0 |
|                                                                                 | 6H            | 27.8             | 28.7 | 28.2 | 29.0        | 29.4          | 27.8           | 28.7             | 28.2 | 29.1 | 29.4 |
|                                                                                 | 8H            | 27.9             | 28.8 | 28.3 | 29.1        | 29.5          | 27.9           | 28.8             | 28.3 | 29.2 | 29.5 |
|                                                                                 | 12H           | 27.9             | 28.7 | 28.4 | 29.1        | 29.5          | 28.0           | 28.8             | 28.4 | 29.2 | 29.6 |
| 8H                                                                              | 4H            | 27.5             | 28.4 | 27.9 | 28.8        | 29.1          | 27.6           | 28.4             | 28.0 | 28.8 | 29.2 |
|                                                                                 | 6H            | 28.1             | 28.8 | 28.6 | 29.2        | 29.7          | 28.2           | 28.9             | 28.6 | 29.3 | 29.7 |
|                                                                                 | 8H            | 28.3             | 29.0 | 28.8 | 29.4        | 29.8          | 28.3           | 29.0             | 28.8 | 29.4 | 29.9 |
|                                                                                 | 12H           | 28.4             | 29.0 | 28.9 | 29.4        | 29.9          | 28.4           | 29.0             | 28.9 | 29.4 | 29.9 |
| 12H                                                                             | 4H            | 27.5             | 28.3 | 28.0 | 28.7        | 29.1          | 27.6           | 28.4             | 28.0 | 28.7 | 29.1 |
|                                                                                 | 6H            | 28.2             | 28.8 | 28.6 | 29.2        | 29.7          | 28.2           | 28.8             | 28.6 | 29.2 | 29.7 |
|                                                                                 | 8H            | 28.4             | 28.9 | 28.9 | 29.4        | 29.9          | 28.4           | 29.0             | 28.9 | 29.4 | 29.9 |
| Variations with the observer position at spacings(CIE Pub.117):                 |               |                  |      |      |             |               |                |                  |      |      |      |
| S = 1.0H                                                                        | + 0.2 / - 0.2 |                  |      |      |             | + 0.2 / - 0.2 |                |                  |      |      |      |
| 1.5H                                                                            | + 0.2 / - 0.3 |                  |      |      |             | + 0.2 / - 0.3 |                |                  |      |      |      |
| 2.0H                                                                            | + 0.2 / - 0.3 |                  |      |      |             | + 0.2 / - 0.3 |                |                  |      |      |      |

CIE Pub.117, 1597 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)  
Area: 0.01039 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-03-13

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | Shielding Angle: |

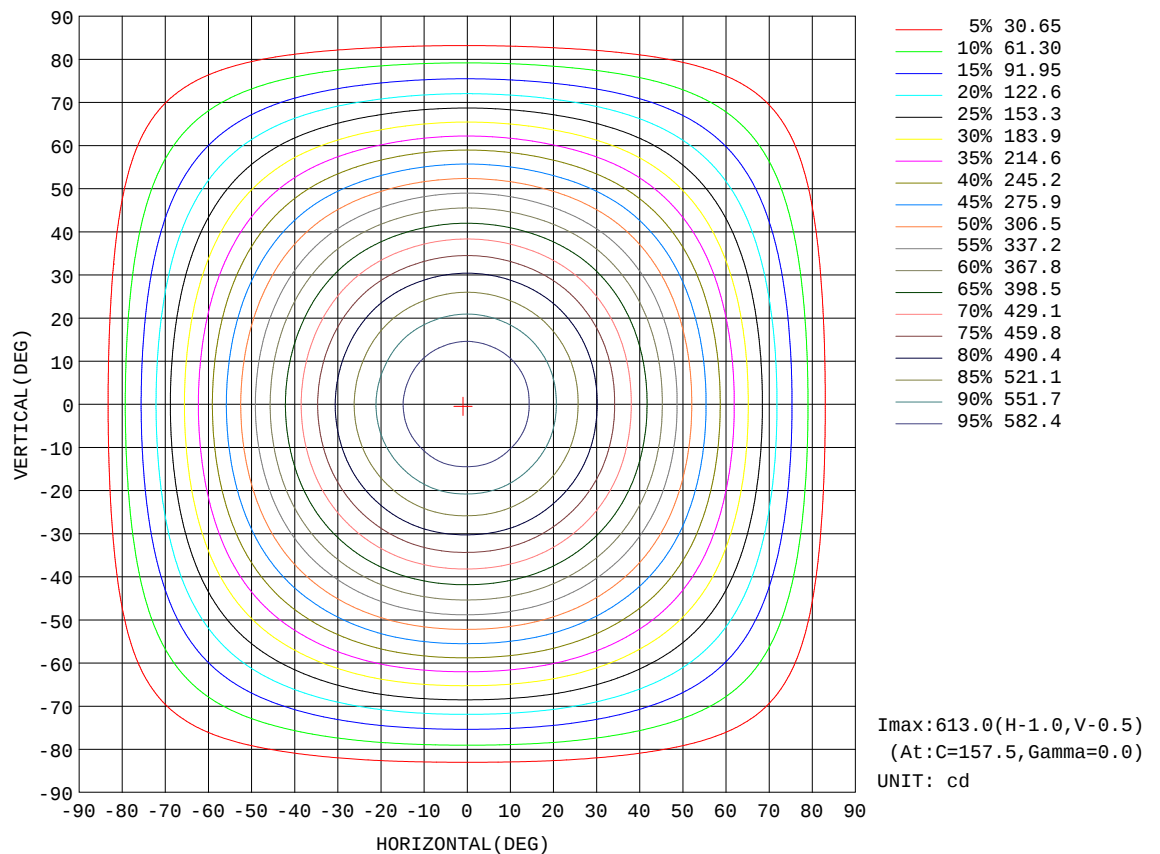
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 59                                                  | 47  | 41        | 58  | 47  | 40  | 57  | 47            | 40  | 34     |
| 0.80                             | 69                                                  | 57  | 50        | 68  | 57  | 50  | 66  | 56            | 50  | 43     |
| 1.00                             | 77                                                  | 66  | 59        | 76  | 66  | 59  | 74  | 67            | 58  | 51     |
| 1.25                             | 84                                                  | 74  | 67        | 83  | 73  | 67  | 80  | 72            | 66  | 59     |
| 1.50                             | 89                                                  | 80  | 73        | 88  | 79  | 72  | 85  | 77            | 71  | 64     |
| 2.00                             | 96                                                  | 88  | 81        | 94  | 86  | 81  | 91  | 84            | 79  | 71     |
| 2.50                             | 100                                                 | 92  | 86        | 98  | 91  | 85  | 94  | 88            | 84  | 75     |
| 3.00                             | 103                                                 | 96  | 91        | 101 | 95  | 90  | 97  | 92            | 88  | 79     |
| 4.00                             | 107                                                 | 101 | 97        | 104 | 100 | 95  | 100 | 96            | 93  | 84     |
| 5.00                             | 109                                                 | 104 | 101       | 107 | 103 | 99  | 102 | 99            | 96  | 87     |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-03-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | Shielding Angle: |

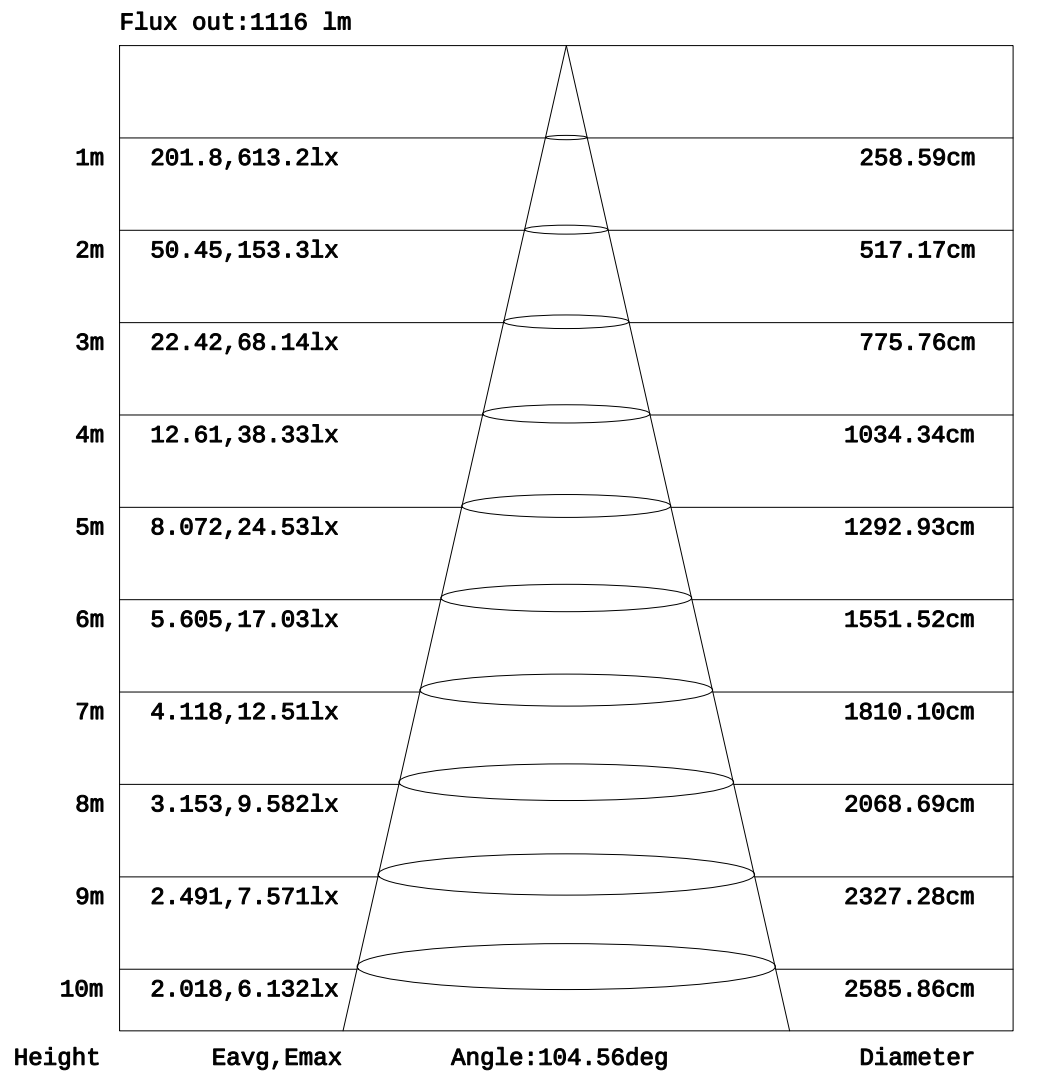


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-03-13

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### AAI Figure

|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | Shielding Angle: |



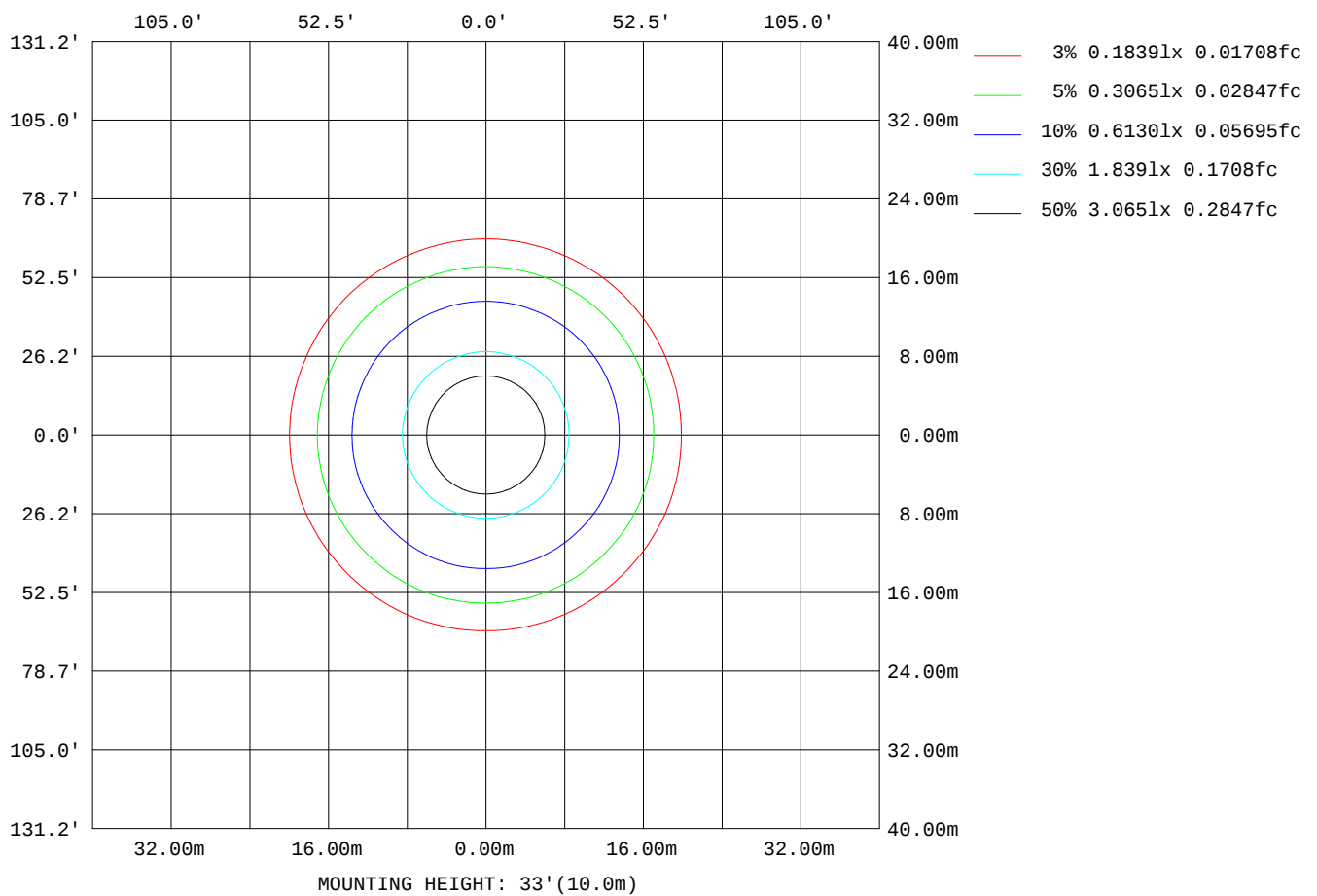
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-03-13

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2025-03-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
 Humidity: 65.0%  
 Test Distance: 7.880m [K=1.0000]  
 Remarks:

### LED Avg.L Report

|                                                                                 |             |                  |
|---------------------------------------------------------------------------------|-------------|------------------|
| Test:U:230.44V I:0.0635A P:13.725W PF:0.9373 Freq:49.99Hz Lamp Flux:1596.8x1 lm |             |                  |
| NAME: DL1096-WHTC15S01S                                                         | TYPE:       | WEIGHT:          |
| SPEC.: white RA80 3000K+5000K                                                   | DIM.:       | SERIAL No.:      |
| MFR.:                                                                           | SUR.: 115mm | Shielding Angle: |

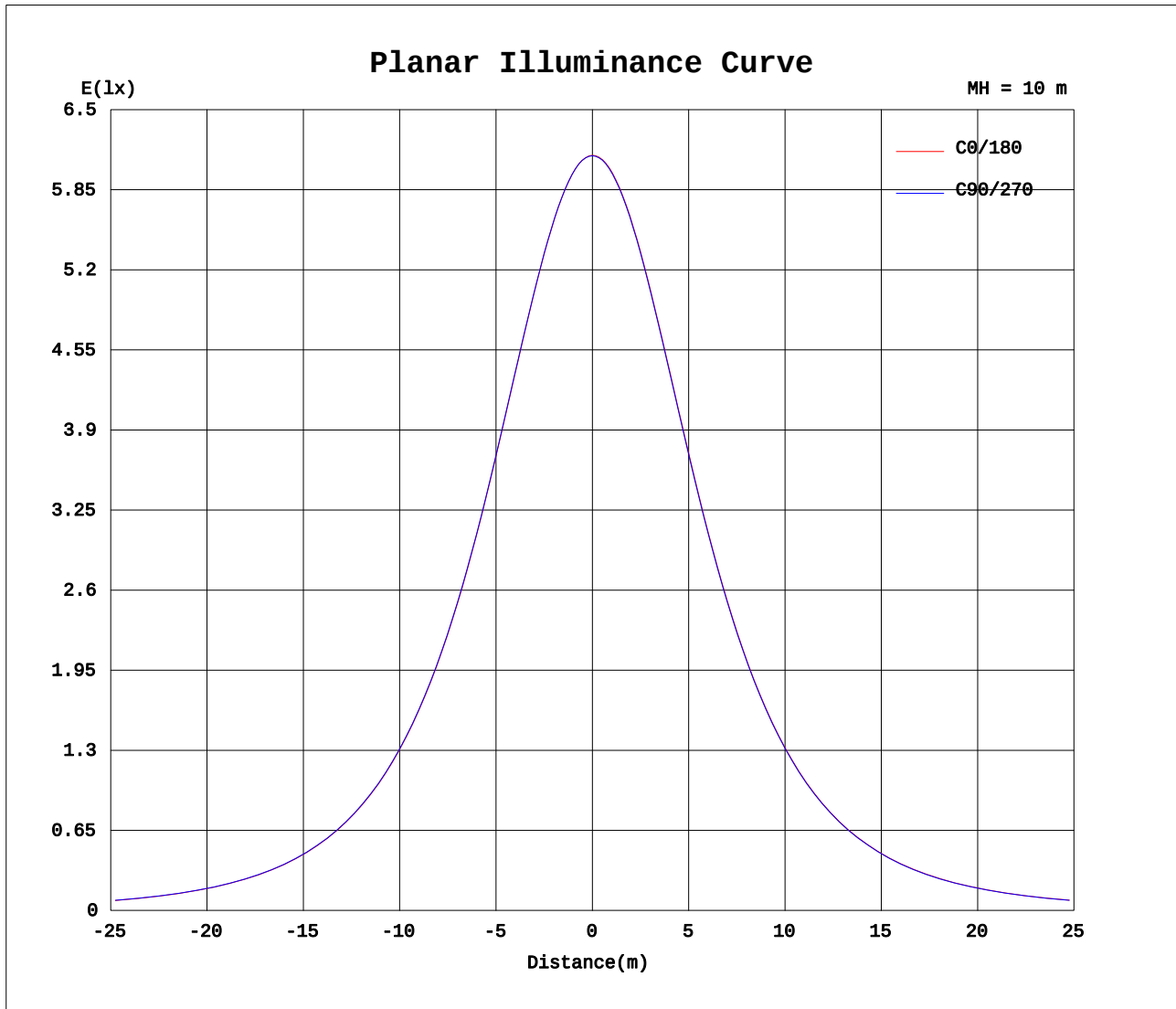
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 42663 |
| L_0~180(75)av  | 35647 |
| L_0~180(85)av  | 19251 |
| L_90~270(65)av | 42645 |
| L_90~270(75)av | 35572 |
| L_90~270(85)av | 18988 |
| L_45(65)av     | 42662 |
| L_45(75)av     | 35603 |
| L_45(85)av     | 19149 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-03-13

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity:65.0%  
Test Distance:7.880m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-03-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.00.428  
Humidity: 65.0%  
Test Distance: 7.880m [K=1.0000]  
Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

```