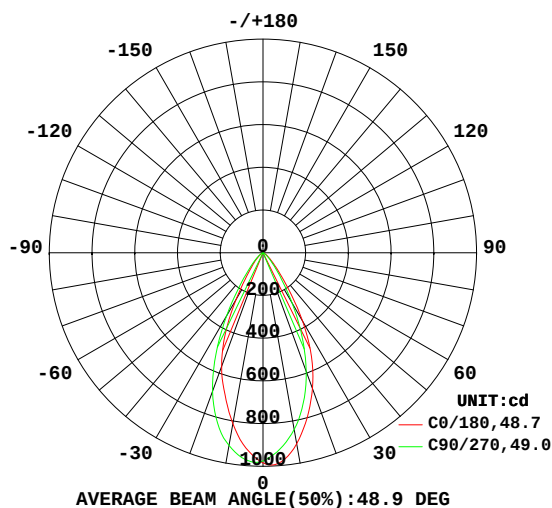


## LUMINAIRE PHOTOMETRIC TEST REPORT

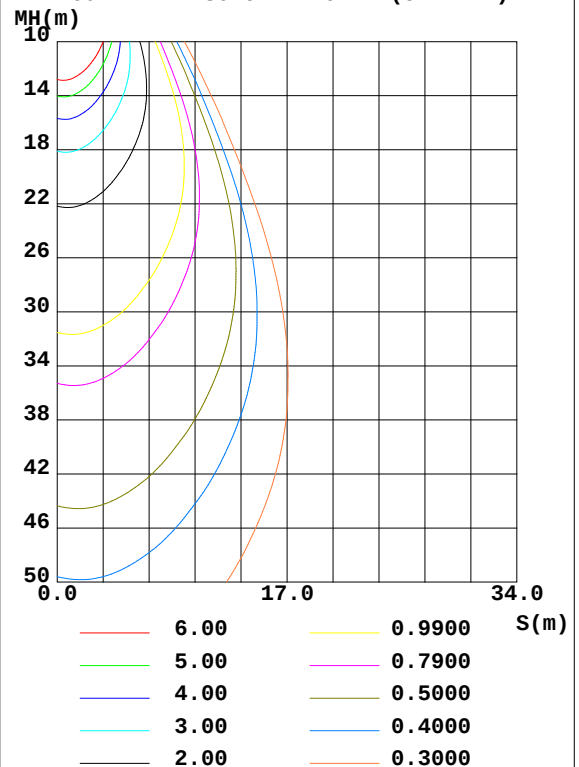
|                                                                                  |            |                  |
|----------------------------------------------------------------------------------|------------|------------------|
| Test:U:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | Shielding Angle: |

| DATA OF LAMP     |                  | PHOTOMETRIC DATA Eff: 51.71 lm/W |        |                    |           |
|------------------|------------------|----------------------------------|--------|--------------------|-----------|
| MODEL            | TB1511124A 3000K | I <sub>max</sub> (cd)            | 994.6  | S/MH(C0/180)       | 0.70      |
| NOMINAL POWER(W) | 12               | LOR(%)                           | 100.0  | S/MH(C90/270)      | 0.79      |
| RATED VOLTAGE(V) | 220-240          | TOTAL FLUX(lm)                   | 687.27 | η UP, DN(C0-180)   | 0.0, 48.6 |
| NOMINAL FLUX(lm) | 687.274          | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.0, 51.4 |
| LAMPS INSIDE     | 1                | η up(%)                          | 0.0    | CIBSE SHR NOM      | 0.75      |
| TEST VOLTAGE(V)  | 220              | η down(%)                        | 100.0  | CIBSE SHR MAX      | 0.80      |

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: 2025-04-27

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:

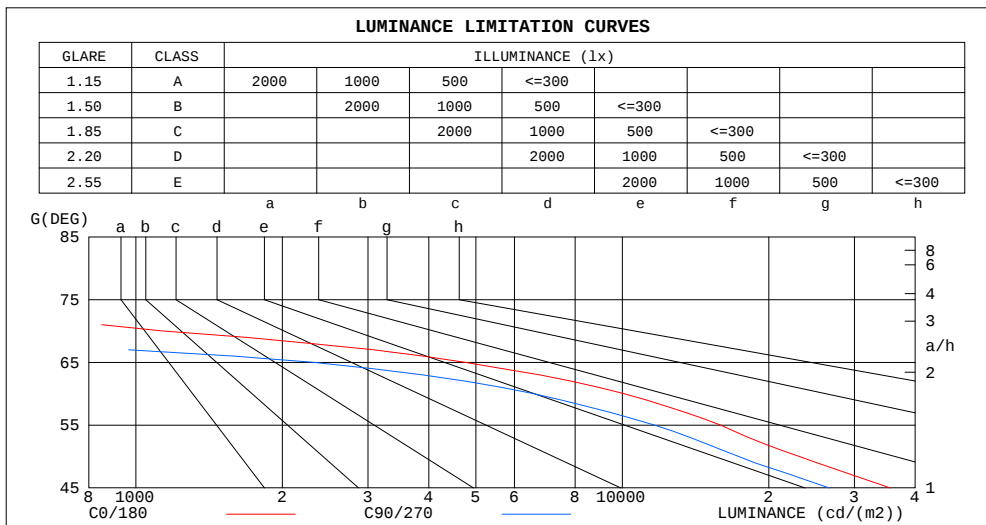
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|-------|----------|-------------|--------------|------------|
| 10       | 908.5                 | 889.1  | 840.6  | 797.4  | 813.0  | 875.9  | 916.0  | 911.7 | 0- 10    | 87.66       | 87.66        | 12.8, 12.8 |
| 20       | 677.0                 | 654.7  | 592.0  | 546.9  | 566.8  | 634.9  | 690.1  | 680.3 | 10- 20   | 210.9       | 298.5        | 43.4, 43.4 |
| 30       | 373.3                 | 323.9  | 275.0  | 241.6  | 250.8  | 296.9  | 340.9  | 362.2 | 20- 30   | 214.1       | 512.6        | 74.6, 74.6 |
| 40       | 113.6                 | 94.72  | 83.00  | 69.12  | 75.97  | 87.40  | 105.8  | 109.6 | 30- 40   | 110.4       | 623.0        | 90.6, 90.6 |
| 50       | 37.85                 | 32.07  | 28.41  | 23.85  | 27.62  | 30.98  | 37.19  | 37.84 | 40- 50   | 42.96       | 666.0        | 96.9, 96.9 |
| 60       | 12.85                 | 10.39  | 8.380  | 6.314  | 7.062  | 9.328  | 11.51  | 11.45 | 50- 60   | 17.14       | 683.1        | 99.4, 99.4 |
| 70       | 0.9888                | 0.7074 | 0.4189 | 0.3090 | 0.3529 | 0.4764 | 0.6373 | 1.287 | 60- 70   | 3.969       | 687.1        | 100, 100   |
| 80       | 0.0142                | 0      | 0      | 0      | 0      | 0      | 0      | 0     | 70- 80   | 0.2073      | 687.3        | 100, 100   |
| 90       | 0                     | 0      | 0      | 0      | 0      | 0      | 0      | 0     | 80- 90   | 0.0001      | 687.3        | 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: 2025-04-27

$\gamma$  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:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 0      | 0       |
| 80                | 32     | 0       |
| 75                | 475    | 175     |
| 70                | 1134   | 480     |
| 65                | 4749   | 2316    |
| 60                | 10081  | 6573    |
| 55                | 15913  | 11640   |
| 50                | 23094  | 17334   |
| 45                | 35564  | 26648   |

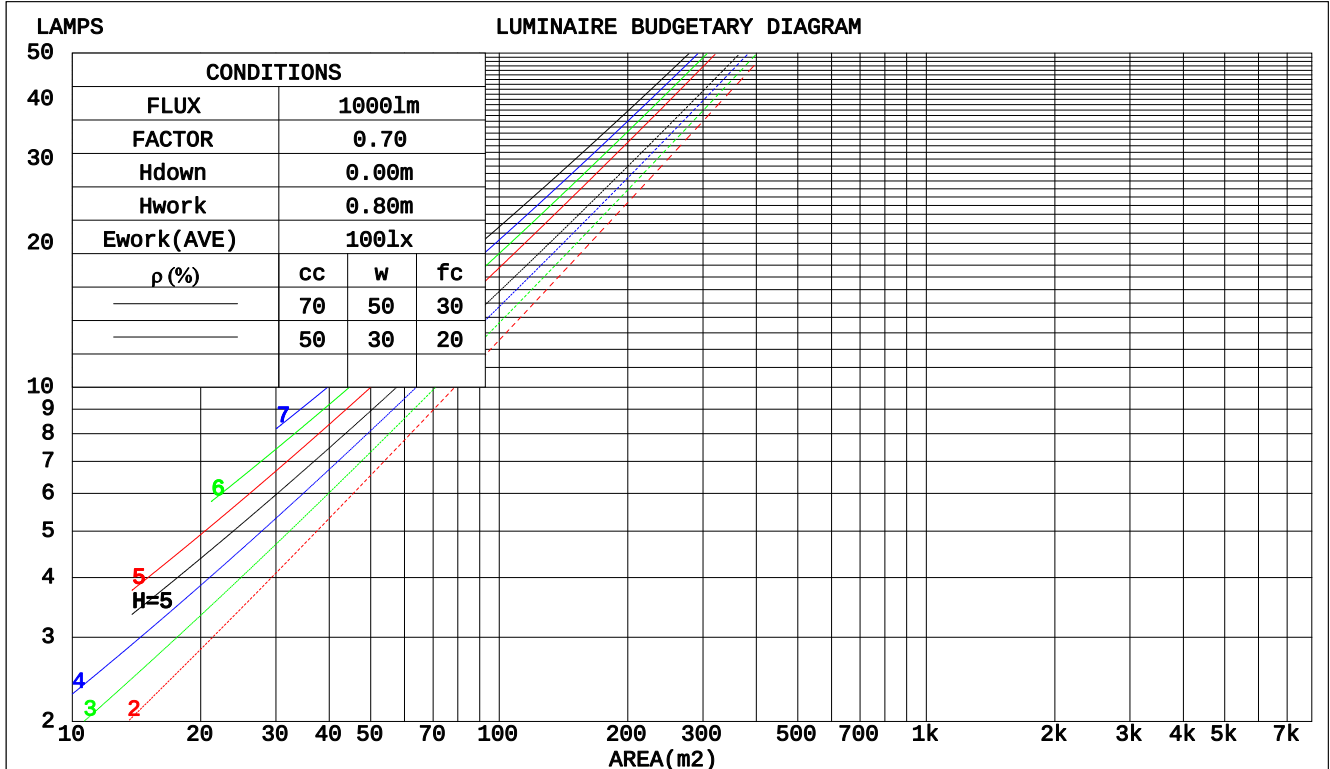
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-04-27

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |            |                  |
|----------------------------------------------------------------------------------|------------|------------------|
| Test:U:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | 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) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 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         | 1.11                            | 1.08 | 1.06 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.01 | 1.01 | .99  | .98  | .98  | .97  | .96  | .94 |
| 2.0         | 1.03                            | .99  | .96  | 1.02 | .98  | .95  | .98  | .95  | .93  | .95  | .93  | .91  | .93  | .91  | .89  | .87 |
| 3.0         | .97                             | .92  | .88  | .95  | .91  | .87  | .93  | .89  | .86  | .90  | .87  | .84  | .88  | .85  | .83  | .82 |
| 4.0         | .90                             | .85  | .81  | .89  | .84  | .80  | .87  | .83  | .79  | .85  | .81  | .79  | .83  | .80  | .78  | .76 |
| 5.0         | .85                             | .79  | .75  | .84  | .79  | .75  | .82  | .78  | .74  | .81  | .76  | .73  | .79  | .75  | .73  | .71 |
| 6.0         | .80                             | .74  | .70  | .79  | .74  | .70  | .78  | .73  | .69  | .76  | .72  | .69  | .75  | .71  | .68  | .67 |
| 7.0         | .75                             | .70  | .65  | .75  | .69  | .65  | .73  | .68  | .65  | .72  | .68  | .65  | .71  | .67  | .64  | .63 |
| 8.0         | .71                             | .65  | .61  | .71  | .65  | .61  | .70  | .65  | .61  | .69  | .64  | .61  | .68  | .64  | .61  | .59 |
| 9.0         | .68                             | .62  | .58  | .67  | .62  | .58  | .66  | .61  | .58  | .65  | .61  | .57  | .64  | .60  | .57  | .56 |
| 10.0        | .64                             | .58  | .55  | .64  | .58  | .55  | .63  | .58  | .55  | .62  | .58  | .54  | .61  | .57  | .54  | .53 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-04-27

$\gamma$  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:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |  |  |            |  |                  |
| NAME: DLV325-WHTC12C02                                                           |  |  | TYPE:      |  | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    |  |  | DIM.:      |  | SERIAL No.:      |
| MFR.:                                                                            |  |  | SUR.: 57mm |  | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0         | .175                  | .100 | .032 | .168 | .096 | .030 | .156                            | .089 | .029 | .144 | .083 | .027 | .134 | .077 | .025 |   |
| 2.0         | .168                  | .092 | .028 | .162 | .089 | .028 | .152                            | .084 | .026 | .142 | .080 | .025 | .133 | .075 | .024 |   |
| 3.0         | .160                  | .085 | .025 | .155 | .083 | .025 | .146                            | .079 | .024 | .138 | .075 | .023 | .130 | .072 | .022 |   |
| 4.0         | .152                  | .079 | .023 | .148 | .078 | .023 | .140                            | .074 | .022 | .133 | .071 | .022 | .126 | .069 | .021 |   |
| 5.0         | .145                  | .074 | .021 | .141 | .073 | .021 | .135                            | .070 | .021 | .128 | .068 | .020 | .122 | .065 | .020 |   |
| 6.0         | .138                  | .069 | .020 | .135 | .068 | .020 | .129                            | .066 | .019 | .124 | .064 | .019 | .118 | .062 | .019 |   |
| 7.0         | .132                  | .065 | .018 | .129 | .064 | .018 | .124                            | .063 | .018 | .119 | .061 | .018 | .114 | .059 | .017 |   |
| 8.0         | .126                  | .062 | .017 | .124 | .061 | .017 | .119                            | .059 | .017 | .115 | .058 | .017 | .110 | .057 | .017 |   |
| 9.0         | .121                  | .058 | .016 | .119 | .058 | .016 | .114                            | .057 | .016 | .110 | .055 | .016 | .107 | .054 | .016 |   |
| 10.0        | .116                  | .056 | .015 | .114 | .055 | .015 | .110                            | .054 | .015 | .106 | .053 | .015 | .103 | .052 | .015 |   |

| 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             | .171                  | .157 | .145 | .146 | .135 | .125 | .100                                       | .093 | .086 | .058 | .054 | .050 | .018 | .017 | .016 |   |  |
| 2.0             | .156                  | .133 | .113 | .133 | .114 | .098 | .091                                       | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 |   |  |
| 3.0             | .143                  | .114 | .090 | .123 | .098 | .078 | .084                                       | .068 | .055 | .049 | .040 | .032 | .016 | .013 | .011 |   |  |
| 4.0             | .133                  | .099 | .073 | .114 | .085 | .063 | .078                                       | .060 | .045 | .045 | .035 | .026 | .015 | .011 | .009 |   |  |
| 5.0             | .124                  | .087 | .060 | .107 | .075 | .052 | .073                                       | .053 | .037 | .043 | .031 | .022 | .014 | .010 | .007 |   |  |
| 6.0             | .117                  | .078 | .050 | .100 | .067 | .044 | .069                                       | .047 | .031 | .040 | .028 | .018 | .013 | .009 | .006 |   |  |
| 7.0             | .110                  | .070 | .042 | .095 | .061 | .037 | .065                                       | .043 | .026 | .038 | .025 | .016 | .012 | .008 | .005 |   |  |
| 8.0             | .104                  | .064 | .036 | .090 | .056 | .032 | .062                                       | .039 | .022 | .036 | .023 | .013 | .012 | .008 | .004 |   |  |
| 9.0             | .099                  | .059 | .031 | .086 | .051 | .027 | .059                                       | .036 | .019 | .035 | .021 | .012 | .011 | .007 | .004 |   |  |
| 10.0            | .095                  | .054 | .028 | .082 | .047 | .024 | .057                                       | .033 | .017 | .033 | .020 | .010 | .011 | .006 | .003 |   |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-04-27

$\gamma$  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:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz      Lamp Flux:687.274x1 lm |               |                  |      |      |            |               |                |                  |      |      |      |
| NAME: DLV325-WHTC12C02                                                                |               |                  |      |      | TYPE:      |               |                | WEIGHT:          |      |      |      |
| SPEC.: black RA90 3000K+5700K                                                         |               |                  |      |      | DIM.:      |               |                | SERIAL No.:      |      |      |      |
| MFR.:                                                                                 |               |                  |      |      | SUR.: 57mm |               |                | 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                                                                         | 21.7          | 22.6             | 21.9 | 22.8 | 23.0       | 20.4          | 21.3           | 20.6             | 21.5 | 21.7 |      |
|                                                                                       | 3H            | 21.6             | 22.4 | 21.8 | 22.6       | 22.8          | 20.2           | 21.1             | 20.5 | 21.3 | 21.5 |
|                                                                                       | 4H            | 21.5             | 22.3 | 21.7 | 22.5       | 22.7          | 20.1           | 20.9             | 20.4 | 21.2 | 21.4 |
|                                                                                       | 6H            | 21.4             | 22.1 | 21.7 | 22.4       | 22.6          | 20.0           | 20.8             | 20.3 | 21.0 | 21.3 |
|                                                                                       | 8H            | 21.3             | 22.1 | 21.6 | 22.3       | 22.6          | 20.0           | 20.7             | 20.3 | 21.0 | 21.2 |
|                                                                                       | 12H           | 21.3             | 22.0 | 21.6 | 22.3       | 22.5          | 20.0           | 20.7             | 20.3 | 20.9 | 21.2 |
| 4H                                                                                    | 2H            | 21.5             | 22.3 | 21.8 | 22.5       | 22.8          | 20.2           | 21.0             | 20.5 | 21.3 | 21.5 |
|                                                                                       | 3H            | 21.4             | 22.1 | 21.7 | 22.3       | 22.6          | 20.1           | 20.8             | 20.4 | 21.0 | 21.3 |
|                                                                                       | 4H            | 21.3             | 21.9 | 21.6 | 22.2       | 22.5          | 20.0           | 20.6             | 20.3 | 20.9 | 21.2 |
|                                                                                       | 6H            | 21.2             | 21.7 | 21.5 | 22.1       | 22.4          | 19.9           | 20.4             | 20.2 | 20.8 | 21.1 |
|                                                                                       | 8H            | 21.1             | 21.6 | 21.5 | 22.0       | 22.4          | 19.8           | 20.3             | 20.2 | 20.7 | 21.1 |
|                                                                                       | 12H           | 21.1             | 21.5 | 21.5 | 21.9       | 22.3          | 19.8           | 20.2             | 20.2 | 20.6 | 21.0 |
| 8H                                                                                    | 4H            | 21.1             | 21.6 | 21.5 | 22.0       | 22.4          | 19.8           | 20.3             | 20.2 | 20.7 | 21.1 |
|                                                                                       | 6H            | 21.0             | 21.4 | 21.4 | 21.8       | 22.2          | 19.7           | 20.1             | 20.1 | 20.5 | 20.9 |
|                                                                                       | 8H            | 21.0             | 21.3 | 21.4 | 21.8       | 22.2          | 19.7           | 20.0             | 20.1 | 20.5 | 20.9 |
|                                                                                       | 12H           | 20.9             | 21.2 | 21.4 | 21.7       | 22.1          | 19.6           | 19.9             | 20.1 | 20.4 | 20.8 |
| 12H                                                                                   | 4H            | 21.1             | 21.5 | 21.5 | 21.9       | 22.3          | 19.8           | 20.2             | 20.2 | 20.6 | 21.0 |
|                                                                                       | 6H            | 21.0             | 21.3 | 21.4 | 21.8       | 22.2          | 19.7           | 20.0             | 20.1 | 20.5 | 20.9 |
|                                                                                       | 8H            | 20.9             | 21.2 | 21.4 | 21.7       | 22.1          | 19.6           | 19.9             | 20.1 | 20.4 | 20.8 |
| Variations with the observer position at spacings(CIE Pub.117):                       |               |                  |      |      |            |               |                |                  |      |      |      |
| S = 1.0H                                                                              | + 2.8 / - 5.2 |                  |      |      |            | + 2.3 / - 5.8 |                |                  |      |      |      |
| 1.5H                                                                                  | + 4.2 / - 3.8 |                  |      |      |            | + 3.3 / - 3.3 |                |                  |      |      |      |
| 2.0H                                                                                  | + 4.4 / - 5.7 |                  |      |      |            | + 4.0 / - 6.5 |                |                  |      |      |      |

CIE Pub.117, 687.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.3)  
Area: 0.00255 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-04-27

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:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | Shielding Angle: |

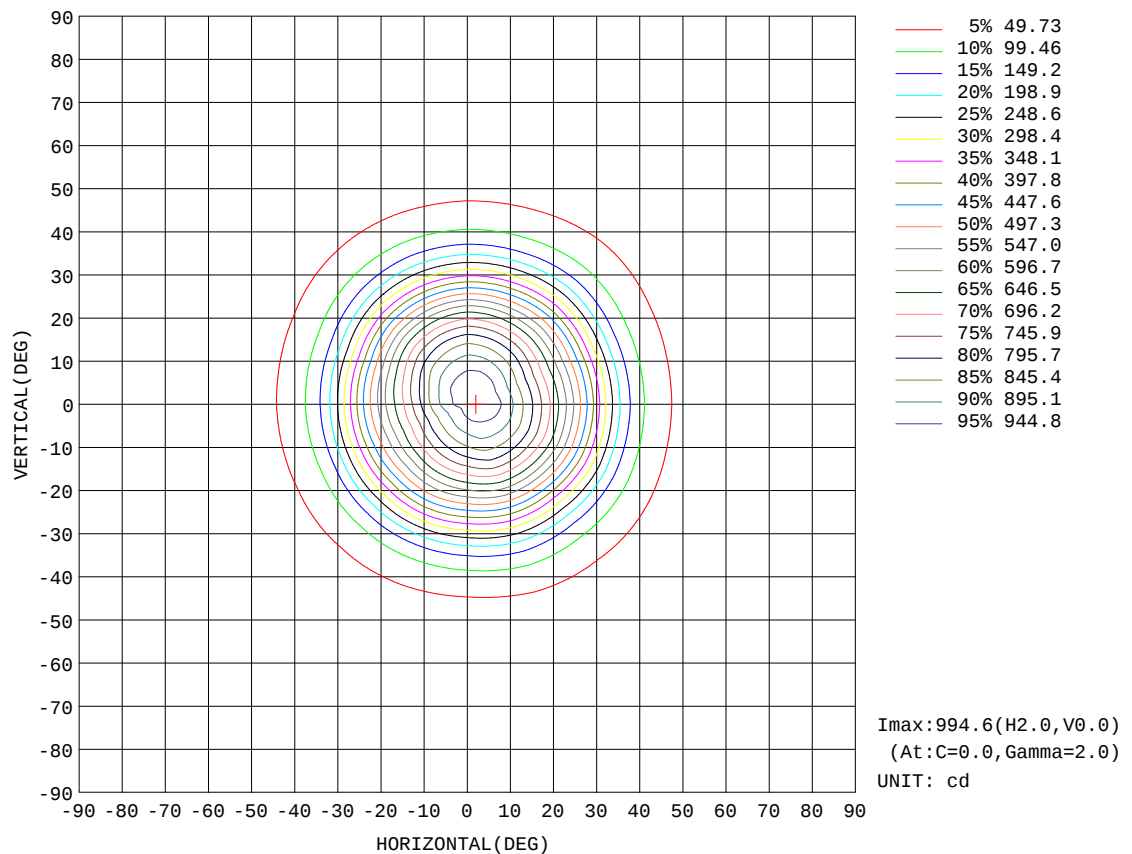
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 86                                                  | 79  | 75        | 85  | 79  | 75  | 84  | 78            | 75  | 71     |
| 0.80                             | 93                                                  | 87  | 83        | 93  | 87  | 83  | 91  | 86            | 83  | 79     |
| 1.00                             | 98                                                  | 92  | 89        | 97  | 92  | 88  | 96  | 92            | 88  | 84     |
| 1.25                             | 102                                                 | 97  | 93        | 101 | 97  | 93  | 99  | 95            | 92  | 88     |
| 1.50                             | 105                                                 | 100 | 97        | 104 | 100 | 96  | 102 | 98            | 95  | 91     |
| 2.00                             | 108                                                 | 104 | 101       | 107 | 103 | 100 | 104 | 101           | 98  | 93     |
| 2.50                             | 110                                                 | 106 | 103       | 108 | 105 | 102 | 105 | 102           | 100 | 94     |
| 3.00                             | 112                                                 | 108 | 105       | 110 | 107 | 104 | 106 | 104           | 102 | 96     |
| 4.00                             | 114                                                 | 111 | 108       | 112 | 109 | 107 | 108 | 106           | 104 | 97     |
| 5.00                             | 115                                                 | 112 | 111       | 113 | 111 | 109 | 109 | 107           | 106 | 98     |
| 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:2025-04-27

$\gamma$  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:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | Shielding Angle: |

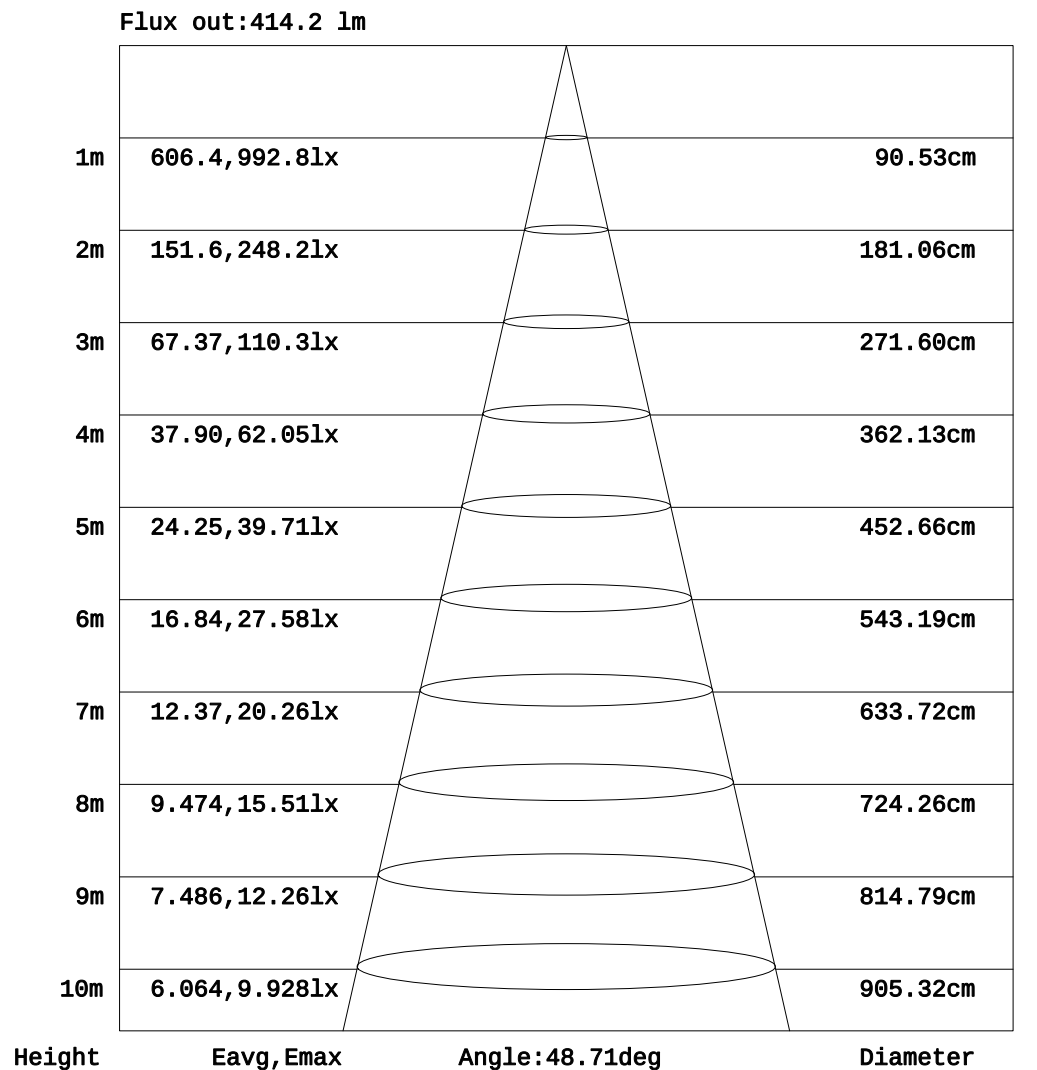


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators:  
Test Date: 2025-04-27

$\gamma$  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:

### AAI Figure

|                                                                                  |            |                  |
|----------------------------------------------------------------------------------|------------|------------------|
| Test:U:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | Shielding Angle: |



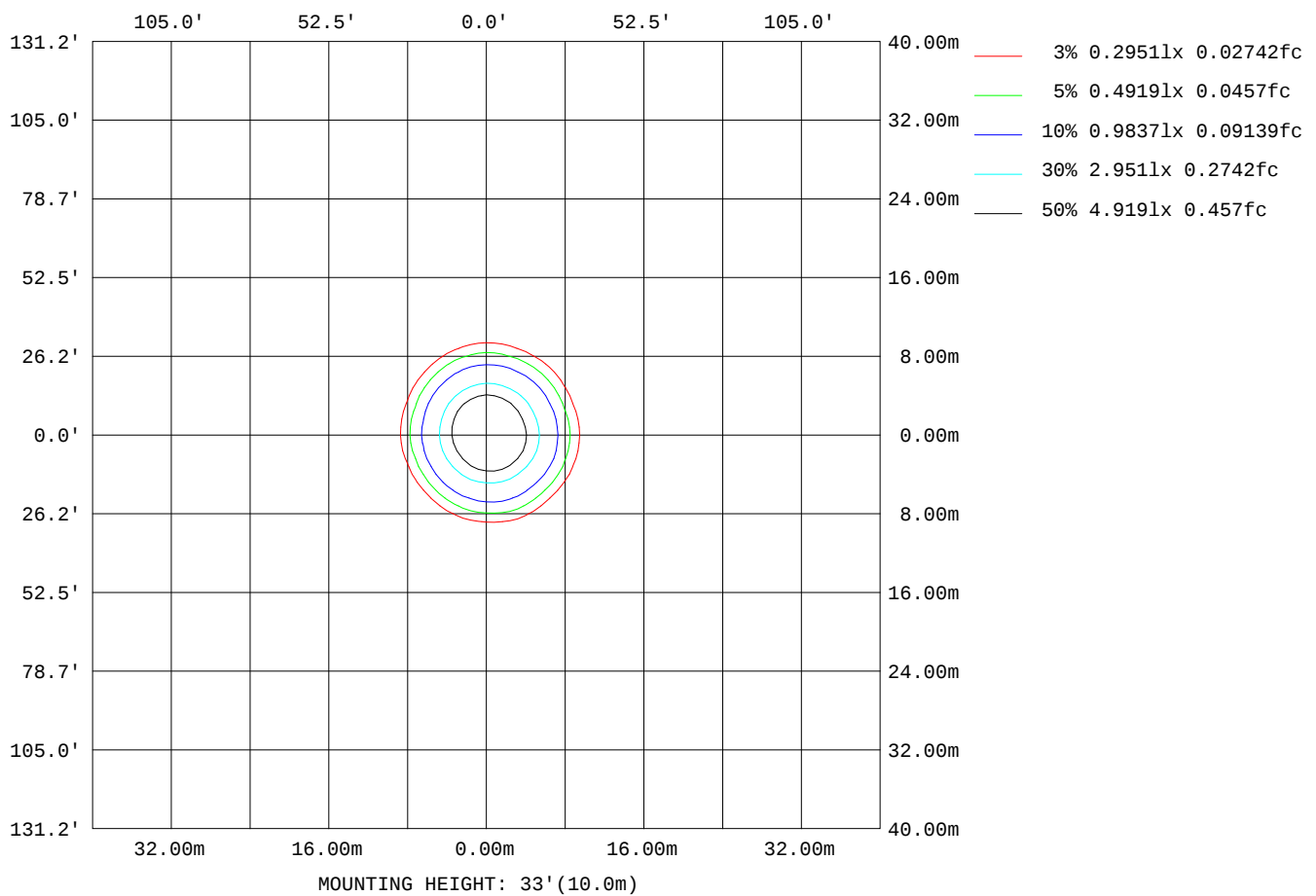
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:  
Test Date:2025-04-27

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:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators:  
 Test Date: 2025-04-27

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:230.62V I:0.0614A P:13.292W PF:0.9388 Freq:49.99Hz Lamp Flux:687.274x1 lm |            |                  |
| NAME: DLV325-WHTC12C02                                                           | TYPE:      | WEIGHT:          |
| SPEC.: black RA90 3000K+5700K                                                    | DIM.:      | SERIAL No.:      |
| MFR.:                                                                            | SUR.: 57mm | Shielding Angle: |

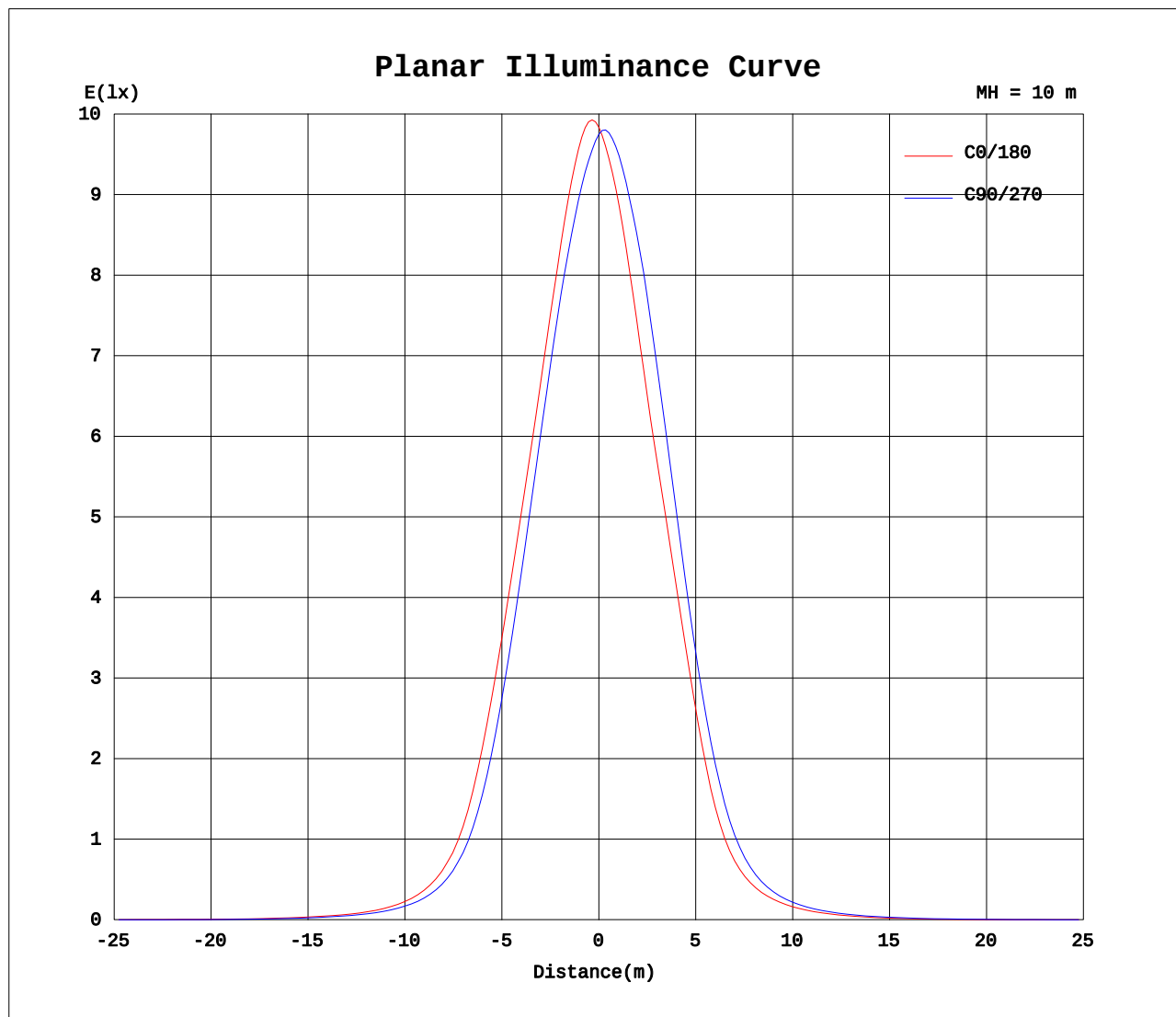
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 3150  |
| L_0~180(75)av  | 272   |
| L_0~180(85)av  | 0     |
| L_90~270(65)av | 3173  |
| L_90~270(75)av | 240   |
| L_90~270(85)av | 0     |
| L_45(65)av     | 3385  |
| L_45(75)av     | 191   |
| L_45(85)av     | 0     |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:  
 Test Date:2025-04-27

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: 2025-04-27

$\gamma$  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:

```