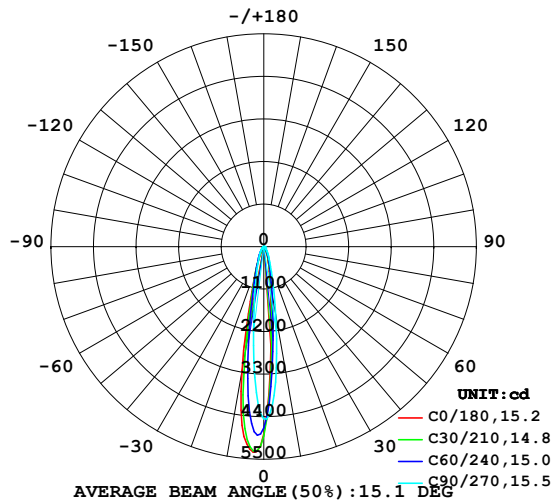


## LUMINAIRE PHOTOMETRIC TEST REPORT

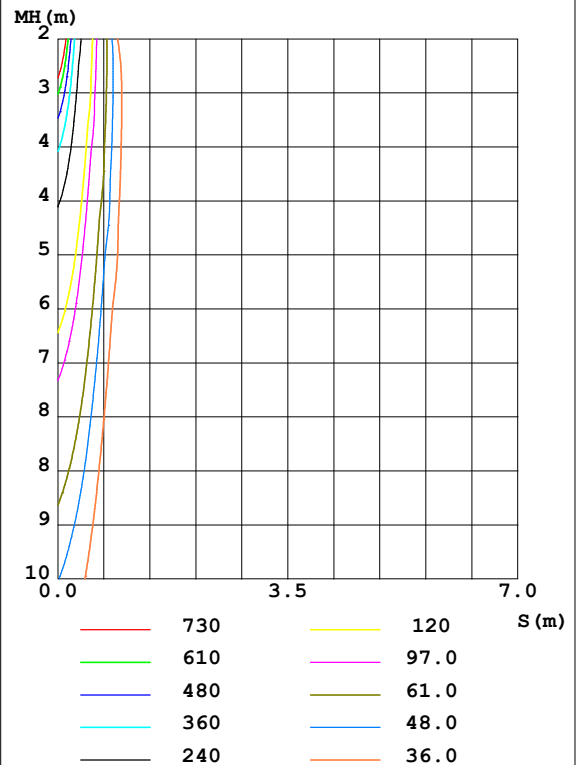
|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 42.68 lm/W |        |                    |          |
|------------------|---------|----------------------------------|--------|--------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)            | 5317   | S/MH (C0/180)      | 0.37     |
| NOMINAL POWER(W) | 36      | LOR(%)                           | 100.0  | S/MH (C90/270)     | 0.24     |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)                   | 772.58 | η UP,DN (C0-180)   | 0.4,50.5 |
| NOMINAL FLUX(lm) | 772.585 | CIE CLASS                        | DIRECT | η UP,DN (C180-360) | 0.4,48.7 |
| LAMPS INSIDE     | 1       | η up (%)                         | 0.8    | CIBSE SHR NOM      | 0.00     |
| TEST VOLTAGE(V)  | 24      | η down (%)                       | 99.2   | CIBSE SHR MAX      | 1.00     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: 01  
Test Date: 2025-08-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.700m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

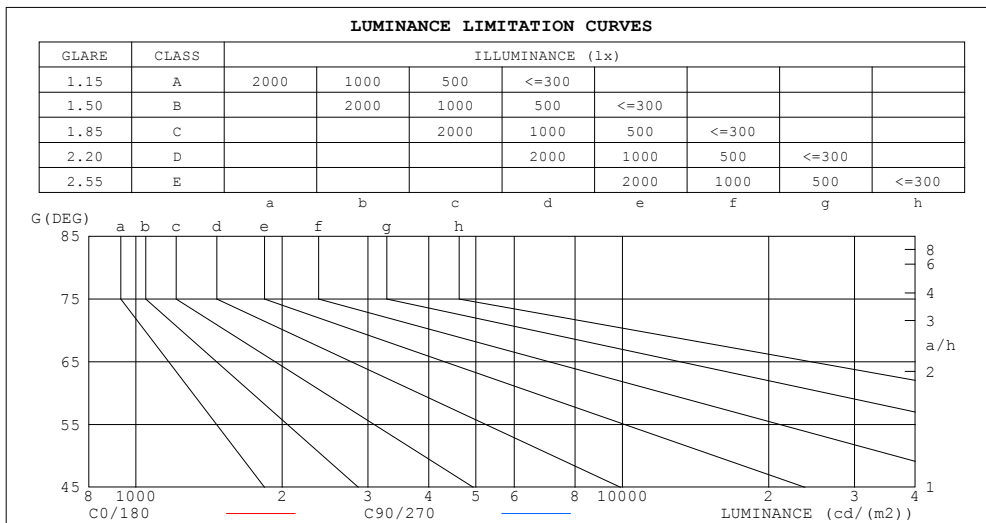
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 1006                  | 1156   | 1781   | 3233   | 3260   | 2473   | 1411   | 933.2  | 0- 10    | 280.7       | 280.7        | 36.3,36.3  |
| 20       | 308.3                 | 365.4  | 497.4  | 652.5  | 530.6  | 538.2  | 448.4  | 321.3  | 10- 20   | 256.9       | 537.6        | 69.6,69.6  |
| 30       | 77.30                 | 148.0  | 220.4  | 189.8  | 82.86  | 163.2  | 202.3  | 123.5  | 20- 30   | 125.1       | 662.7        | 85.8,85.8  |
| 40       | 19.77                 | 50.17  | 107.7  | 54.37  | 18.11  | 48.40  | 105.3  | 42.65  | 30- 40   | 58.05       | 720.8        | 93.3,93.3  |
| 50       | 7.068                 | 16.77  | 54.38  | 13.04  | 4.492  | 11.76  | 52.96  | 13.54  | 40- 50   | 25.18       | 746.0        | 96.6,96.6  |
| 60       | 2.482                 | 5.379  | 31.57  | 4.341  | 1.456  | 3.908  | 30.39  | 4.401  | 50- 60   | 11.40       | 757.4        | 98,98      |
| 70       | 1.051                 | 1.679  | 17.08  | 1.484  | 0.6203 | 1.333  | 14.94  | 1.347  | 60- 70   | 5.897       | 763.3        | 98.8,98.8  |
| 80       | 0.2937                | 0.7700 | 5.499  | 0.7745 | 0.2097 | 0.5311 | 4.179  | 0.6210 | 70- 80   | 2.542       | 765.8        | 99.1,99.1  |
| 90       | 0.0572                | 0.4420 | 0.8134 | 0.4899 | 0.0394 | 0.3370 | 0.6737 | 0.3456 | 80- 90   | 0.7674      | 766.6        | 99.2,99.2  |
| 100      | 0.0525                | 0.4177 | 0.7787 | 0.4287 | 0.0394 | 0.3325 | 0.6649 | 0.3303 | 90-100   | 0.4205      | 767.0        | 99.3,99.3  |
| 110      | 0.0525                | 0.4156 | 0.7699 | 0.3915 | 0.0525 | 0.3128 | 0.6561 | 0.3303 | 100-110  | 0.3953      | 767.4        | 99.3,99.3  |
| 120      | 0.0787                | 0.4593 | 0.7830 | 0.4113 | 0.0701 | 0.3434 | 0.6430 | 0.3478 | 110-120  | 0.3758      | 767.8        | 99.4,99.4  |
| 130      | 0.1879                | 0.5249 | 0.8707 | 0.4854 | 0.1270 | 0.4200 | 0.7041 | 0.4331 | 120-130  | 0.3743      | 768.1        | 99.4,99.4  |
| 140      | 0.6025                | 0.9427 | 1.160  | 0.7414 | 0.3548 | 0.6300 | 1.006  | 0.8640 | 130-140  | 0.4589      | 768.6        | 99.5,99.5  |
| 150      | 2.700                 | 2.603  | 2.237  | 1.483  | 1.016  | 1.337  | 2.081  | 2.424  | 140-150  | 0.7808      | 769.4        | 99.6,99.6  |
| 160      | 5.283                 | 4.991  | 4.573  | 3.810  | 3.127  | 3.546  | 4.259  | 4.700  | 150-160  | 1.410       | 770.8        | 99.8,99.8  |
| 170      | 4.661                 | 4.744  | 5.030  | 5.288  | 5.087  | 4.984  | 4.760  | 4.425  | 160-170  | 1.357       | 772.1        | 99.9,99.9  |
| 180      | 4.037                 | 4.160  | 4.212  | 4.302  | 4.081  | 4.169  | 4.221  | 4.287  | 170-180  | 0.4390      | 772.6        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 2      | 29      |
| 80                | 2      | 40      |
| 75                | 3      | 50      |
| 70                | 4      | 62      |
| 65                | 5      | 72      |
| 60                | 6      | 79      |
| 55                | 9      | 89      |
| 50                | 14     | 106     |
| 45                | 22     | 134     |

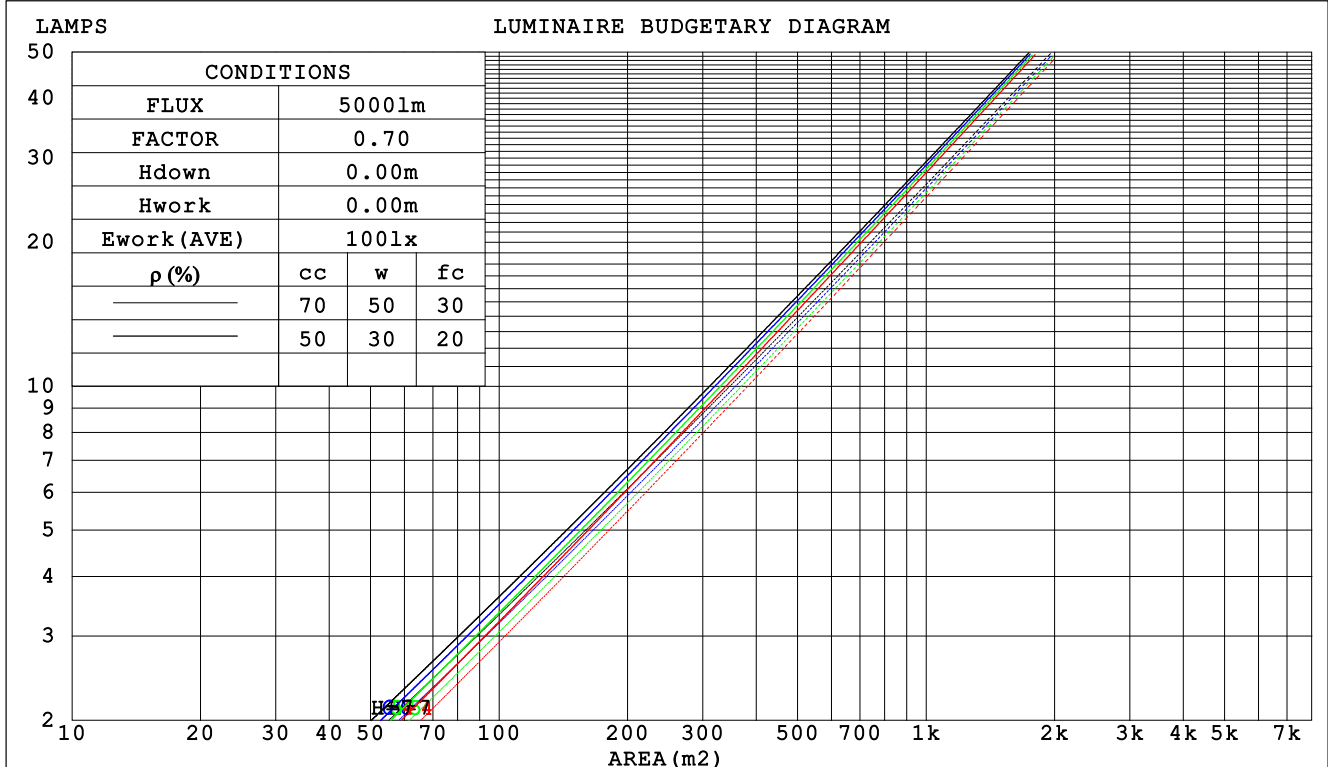
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0   |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |
| 0.0         | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0         | 1.12                  | 1.10 | 1.08 | 1.10 | 1.08 | 1.06 | 1.06                            | 1.04 | 1.03 | 1.02 | 1.01 | .00  | .98  | .98  | .97  | .95 |
| 2.0         | 1.06                  | 1.03 | 1.00 | 1.04 | 1.01 | .99  | 1.01                            | .99  | .97  | .98  | .96  | .94  | .95  | .94  | .92  | .91 |
| 3.0         | 1.01                  | .97  | .94  | .00  | .96  | .93  | .97                             | .94  | .91  | .94  | .92  | .90  | .92  | .90  | .88  | .87 |
| 4.0         | .96                   | .92  | .89  | .95  | .91  | .88  | .93                             | .90  | .87  | .91  | .88  | .86  | .89  | .87  | .85  | .84 |
| 5.0         | .92                   | .88  | .84  | .91  | .87  | .84  | .90                             | .86  | .83  | .88  | .85  | .83  | .87  | .84  | .82  | .81 |
| 6.0         | .89                   | .84  | .81  | .88  | .84  | .81  | .87                             | .83  | .80  | .85  | .82  | .79  | .84  | .81  | .79  | .78 |
| 7.0         | .86                   | .81  | .78  | .85  | .81  | .78  | .84                             | .80  | .77  | .83  | .79  | .77  | .82  | .79  | .76  | .75 |
| 8.0         | .83                   | .78  | .75  | .82  | .78  | .75  | .81                             | .77  | .75  | .80  | .77  | .74  | .79  | .76  | .74  | .73 |
| 9.0         | .80                   | .76  | .73  | .80  | .75  | .72  | .79                             | .75  | .72  | .78  | .74  | .72  | .77  | .74  | .72  | .71 |
| 10.0        | .78                   | .73  | .70  | .77  | .73  | .70  | .76                             | .73  | .70  | .76  | .72  | .70  | .75  | .72  | .70  | .69 |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

## WEC AND CCEC

|                                                                                  |  |  |                   |  |                  |
|----------------------------------------------------------------------------------|--|--|-------------------|--|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |  |  |                   |  |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       |  |  | TYPE:RGBW W=4000K |  | WEIGHT:00        |
| SPEC.:15 DEG                                                                     |  |  | DIM.:500mm        |  | SERIAL No.:01    |
| MFR.: 001                                                                        |  |  | SUR.:0.8          |  | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .150                  | .085 | .027 | .143 | .081 | .026 | .130                             | .075 | .024 | .118 | .068 | .022 | .107 | .062 | .020 |   |  |
| 2.0  | .140                  | .077 | .024 | .134 | .074 | .023 | .123                             | .069 | .021 | .114 | .064 | .020 | .104 | .059 | .019 |   |  |
| 3.0  | .131                  | .070 | .021 | .126 | .067 | .020 | .117                             | .063 | .019 | .109 | .059 | .018 | .101 | .056 | .017 |   |  |
| 4.0  | .123                  | .064 | .019 | .119 | .062 | .018 | .111                             | .059 | .018 | .104 | .056 | .017 | .097 | .053 | .016 |   |  |
| 5.0  | .115                  | .059 | .017 | .112 | .057 | .017 | .105                             | .055 | .016 | .099 | .052 | .016 | .093 | .050 | .015 |   |  |
| 6.0  | .109                  | .055 | .016 | .106 | .054 | .015 | .100                             | .051 | .015 | .095 | .049 | .014 | .090 | .047 | .014 |   |  |
| 7.0  | .103                  | .051 | .014 | .101 | .050 | .014 | .096                             | .048 | .014 | .091 | .047 | .014 | .086 | .045 | .013 |   |  |
| 8.0  | .098                  | .048 | .013 | .096 | .047 | .013 | .091                             | .046 | .013 | .087 | .044 | .013 | .083 | .043 | .012 |   |  |
| 9.0  | .093                  | .045 | .013 | .091 | .045 | .012 | .087                             | .043 | .012 | .084 | .042 | .012 | .080 | .041 | .012 |   |  |
| 10.0 | .089                  | .043 | .012 | .087 | .042 | .012 | .084                             | .041 | .012 | .081 | .040 | .011 | .077 | .039 | .011 |   |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .196                  | .196 | .196 | .168 | .168 | .168 | .115                                       | .115 | .115 | .066 | .066 | .066 | .021 | .021 | .021 |   |
| 1.0  | .175                  | .164 | .153 | .150 | .140 | .132 | .103                                       | .097 | .091 | .059 | .056 | .053 | .019 | .018 | .017 |   |
| 2.0  | .158                  | .139 | .122 | .135 | .119 | .106 | .093                                       | .083 | .074 | .053 | .048 | .043 | .017 | .016 | .014 |   |
| 3.0  | .144                  | .119 | .100 | .123 | .103 | .087 | .085                                       | .072 | .061 | .049 | .042 | .036 | .016 | .014 | .012 |   |
| 4.0  | .132                  | .104 | .083 | .113 | .090 | .072 | .078                                       | .063 | .051 | .045 | .037 | .030 | .014 | .012 | .010 |   |
| 5.0  | .122                  | .092 | .070 | .104 | .080 | .061 | .072                                       | .056 | .043 | .042 | .033 | .026 | .013 | .011 | .008 |   |
| 6.0  | .113                  | .082 | .060 | .097 | .071 | .053 | .067                                       | .050 | .037 | .039 | .029 | .022 | .013 | .010 | .007 |   |
| 7.0  | .105                  | .074 | .052 | .091 | .064 | .046 | .063                                       | .045 | .032 | .036 | .027 | .019 | .012 | .009 | .006 |   |
| 8.0  | .099                  | .068 | .046 | .085 | .059 | .040 | .059                                       | .041 | .028 | .034 | .024 | .017 | .011 | .008 | .006 |   |
| 9.0  | .093                  | .062 | .041 | .080 | .054 | .036 | .056                                       | .038 | .025 | .032 | .022 | .015 | .011 | .007 | .005 |   |
| 10.0 | .088                  | .057 | .037 | .076 | .050 | .032 | .053                                       | .035 | .023 | .031 | .021 | .014 | .010 | .007 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:01  
 Test Date:2025-08-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |                   |                |     |                  |     |     |
|----------------------------------------------------------------------------------|------------------|------|------|------|-------------------|----------------|-----|------------------|-----|-----|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                  |      |      |      |                   |                |     |                  |     |     |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       |                  |      |      |      | TYPE:RGBW W=4000K |                |     | WEIGHT:00        |     |     |
| SPEC.:15 DEG                                                                     |                  |      |      |      | DIM.:500mm        |                |     | SERIAL No.:01    |     |     |
| MFR.: 001                                                                        |                  |      |      |      | SUR.:0.8          |                |     | 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                                                                    | -8.6             | -7.9 | -8.4 | -7.7 | -7.5              | -0.1           | 0.6 | 0.1              | 0.8 | 1.0 |
| 3H                                                                               | -8.6             | -8.0 | -8.4 | -7.8 | -7.6              | 0.7            | 1.4 | 1.0              | 1.6 | 1.8 |
| 4H                                                                               | -8.7             | -8.0 | -8.4 | -7.8 | -7.6              | 1.0            | 1.7 | 1.3              | 1.9 | 2.1 |
| 6H                                                                               | -8.7             | -8.1 | -8.4 | -7.9 | -7.6              | 1.3            | 1.9 | 1.6              | 2.1 | 2.4 |
| 8H                                                                               | -8.8             | -8.2 | -8.5 | -7.9 | -7.7              | 1.3            | 1.9 | 1.6              | 2.2 | 2.4 |
| 12H                                                                              | -8.8             | -8.2 | -8.5 | -8.0 | -7.7              | 1.4            | 1.9 | 1.7              | 2.2 | 2.5 |
| 4H 2H                                                                            | -8.3             | -7.7 | -8.0 | -7.5 | -7.2              | -0.3           | 0.3 | -0.0             | 0.6 | 0.8 |
| 3H                                                                               | -8.4             | -7.8 | -8.0 | -7.5 | -7.2              | 0.5            | 1.1 | 0.8              | 1.3 | 1.6 |
| 4H                                                                               | -8.4             | -7.9 | -8.0 | -7.6 | -7.3              | 0.9            | 1.4 | 1.2              | 1.7 | 2.0 |
| 6H                                                                               | -8.4             | -8.0 | -8.1 | -7.6 | -7.3              | 1.2            | 1.6 | 1.5              | 2.0 | 2.3 |
| 8H                                                                               | -8.5             | -8.1 | -8.1 | -7.7 | -7.3              | 1.3            | 1.7 | 1.7              | 2.0 | 2.4 |
| 12H                                                                              | -8.5             | -8.1 | -8.1 | -7.7 | -7.3              | 1.3            | 1.7 | 1.7              | 2.1 | 2.5 |
| 8H 4H                                                                            | -8.4             | -7.9 | -8.0 | -7.6 | -7.2              | 0.7            | 1.1 | 1.1              | 1.5 | 1.9 |
| 6H                                                                               | -8.4             | -8.0 | -8.0 | -7.6 | -7.2              | 1.0            | 1.4 | 1.5              | 1.8 | 2.2 |
| 8H                                                                               | -8.4             | -8.1 | -8.0 | -7.7 | -7.2              | 1.1            | 1.4 | 1.6              | 1.9 | 2.3 |
| 12H                                                                              | -8.4             | -8.2 | -8.0 | -7.7 | -7.2              | 1.2            | 1.5 | 1.7              | 1.9 | 2.4 |
| 12H 4H                                                                           | -8.4             | -8.0 | -7.9 | -7.6 | -7.2              | 0.7            | 1.0 | 1.1              | 1.4 | 1.8 |
| 6H                                                                               | -8.4             | -8.1 | -7.9 | -7.6 | -7.2              | 1.0            | 1.3 | 1.4              | 1.7 | 2.2 |
| 8H                                                                               | -8.4             | -8.1 | -7.9 | -7.7 | -7.2              | 1.1            | 1.3 | 1.5              | 1.8 | 2.3 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                   |                |     |                  |     |     |
| S = 1.0H                                                                         | + 2.0 / - 4.0    |      |      |      |                   | + 1.6 / - 1.5  |     |                  |     |     |
| 1.5H                                                                             | + 2.3 / - 3.3    |      |      |      |                   | + 2.9 / - 2.9  |     |                  |     |     |
| 2.0H                                                                             | + 2.7 / - 3.2    |      |      |      |                   | + 3.7 / - 3.9  |     |                  |     |     |

CIE Pub.117, 772.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.9)  
Area: 0.8 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |

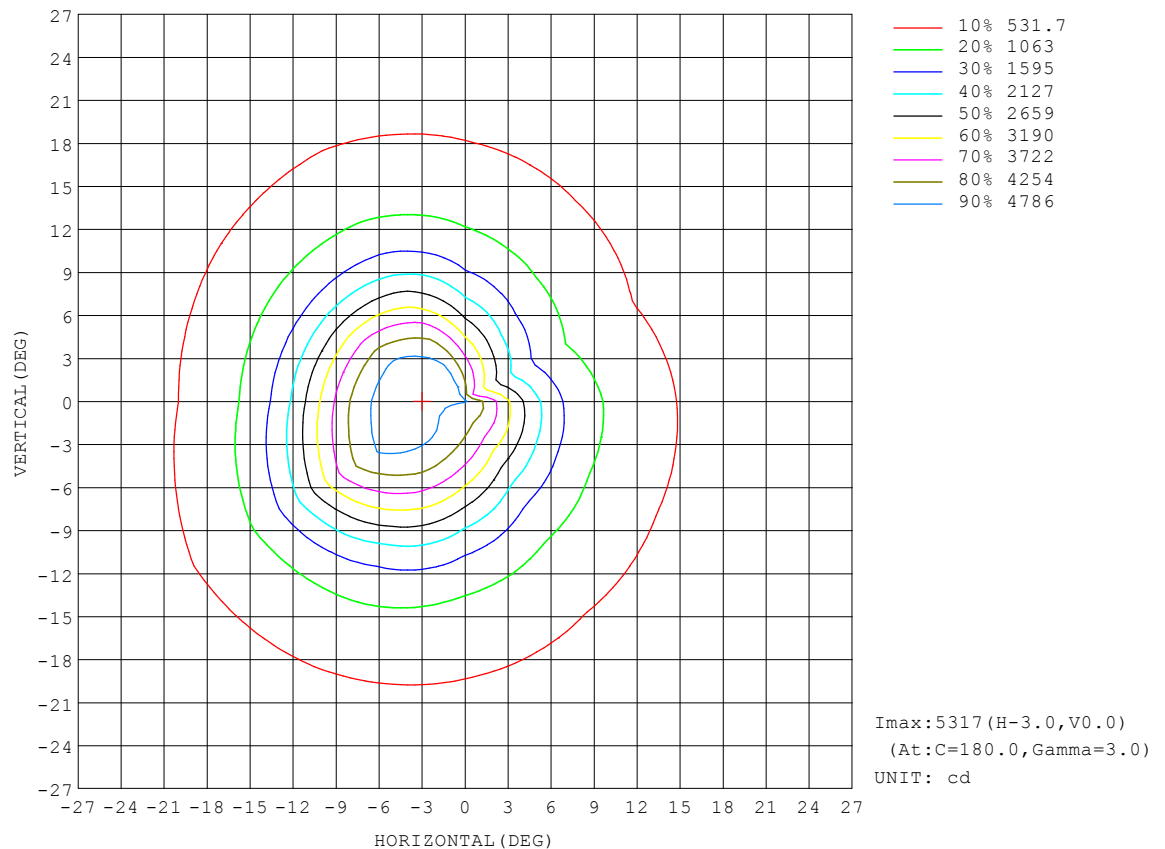
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 87                                                   | 81  | 77        | 87  | 81  | 77  | 86  | 80            | 77  | 74     |
| 0.80                             | 95                                                   | 89  | 85        | 94  | 89  | 85  | 93  | 88            | 85  | 81     |
| 1.00                             | 99                                                   | 93  | 90        | 98  | 93  | 90  | 97  | 93            | 89  | 85     |
| 1.25                             | 103                                                  | 98  | 94        | 102 | 97  | 94  | 100 | 96            | 93  | 89     |
| 1.50                             | 106                                                  | 101 | 98        | 104 | 100 | 97  | 102 | 99            | 96  | 91     |
| 2.00                             | 108                                                  | 104 | 101       | 107 | 103 | 100 | 104 | 101           | 99  | 93     |
| 2.50                             | 110                                                  | 106 | 103       | 108 | 105 | 102 | 105 | 102           | 100 | 94     |
| 3.00                             | 112                                                  | 108 | 105       | 110 | 107 | 104 | 106 | 104           | 102 | 95     |
| 4.00                             | 114                                                  | 111 | 109       | 111 | 109 | 107 | 108 | 106           | 104 | 97     |
| 5.00                             | 115                                                  | 113 | 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: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |

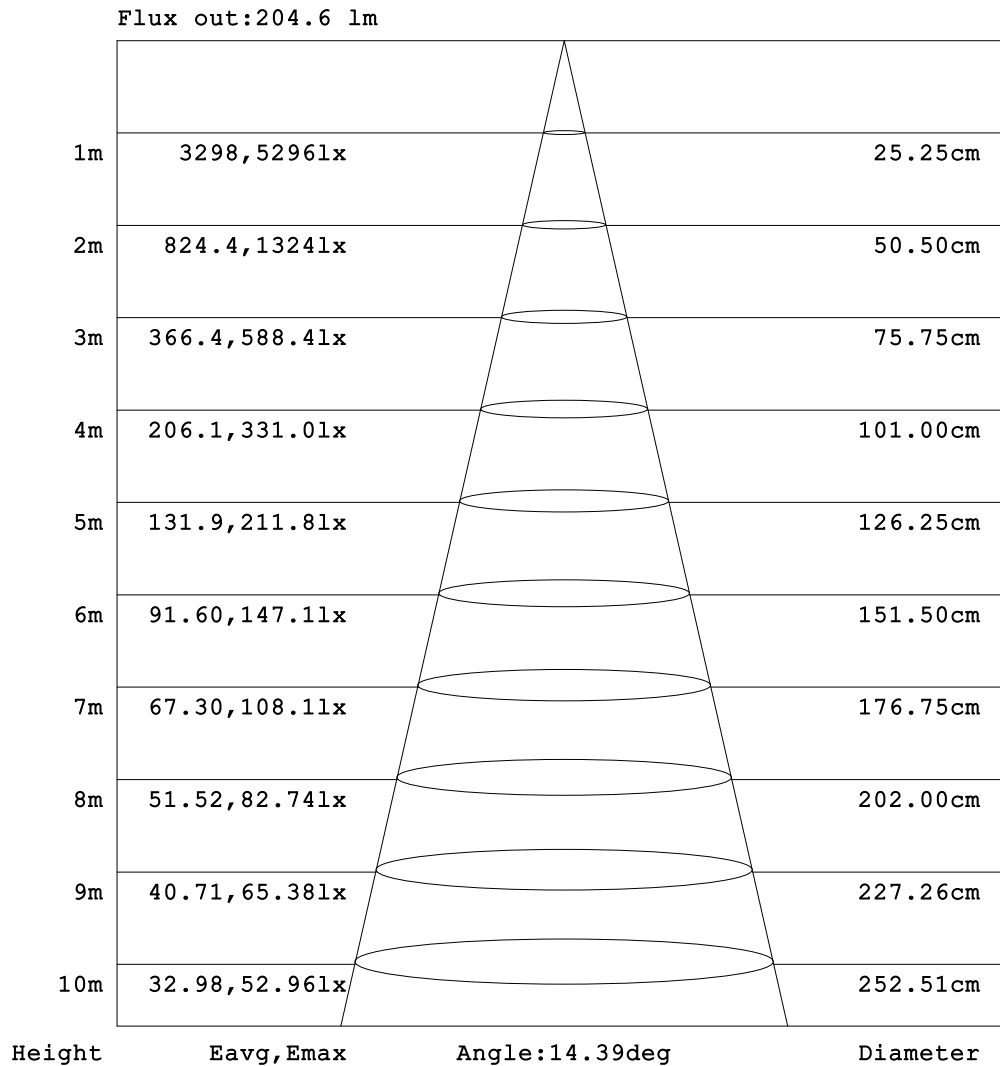


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |



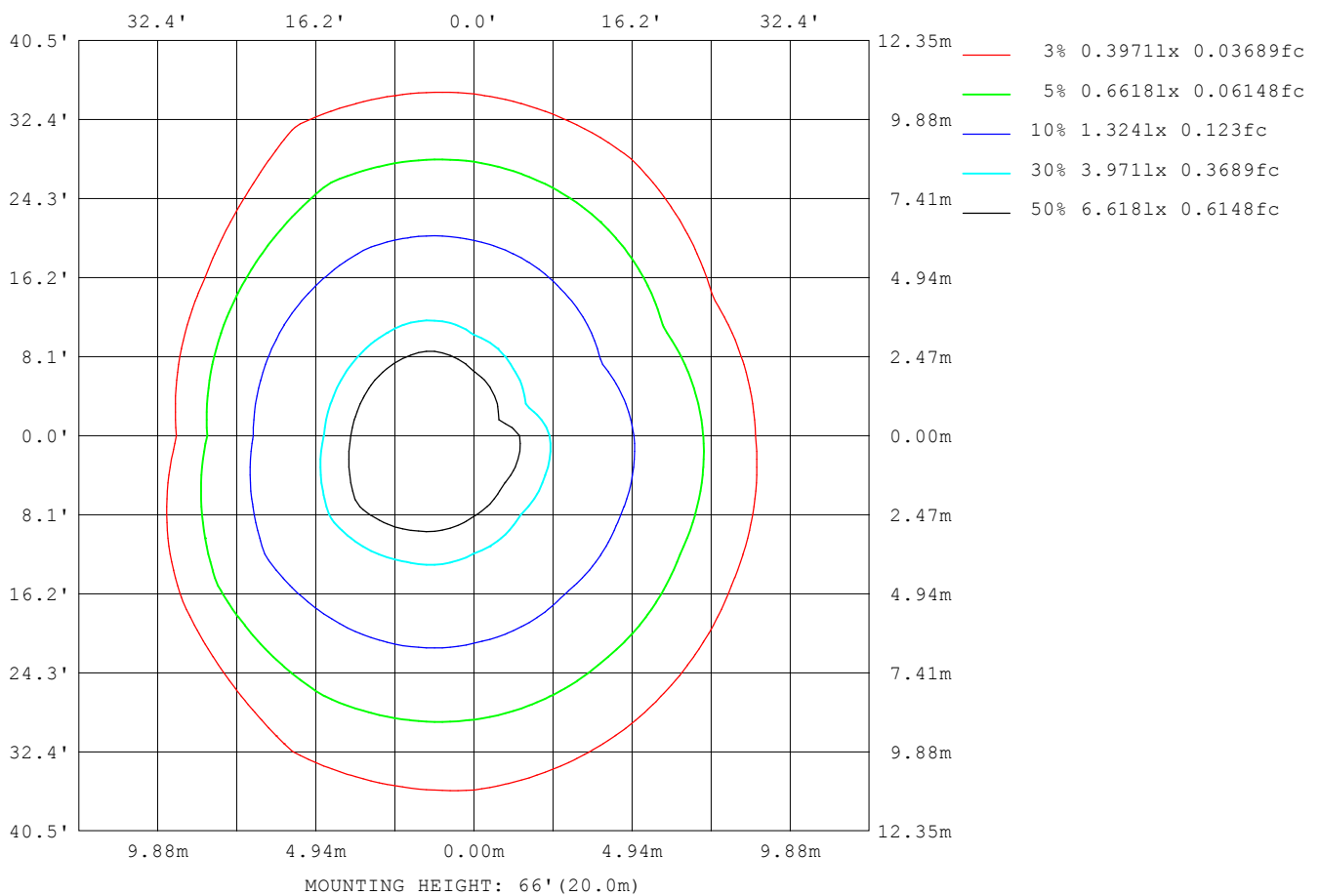
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:20DEG  
 Operators:01  
 Test Date:2025-08-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

## LED Avg.L Report

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |

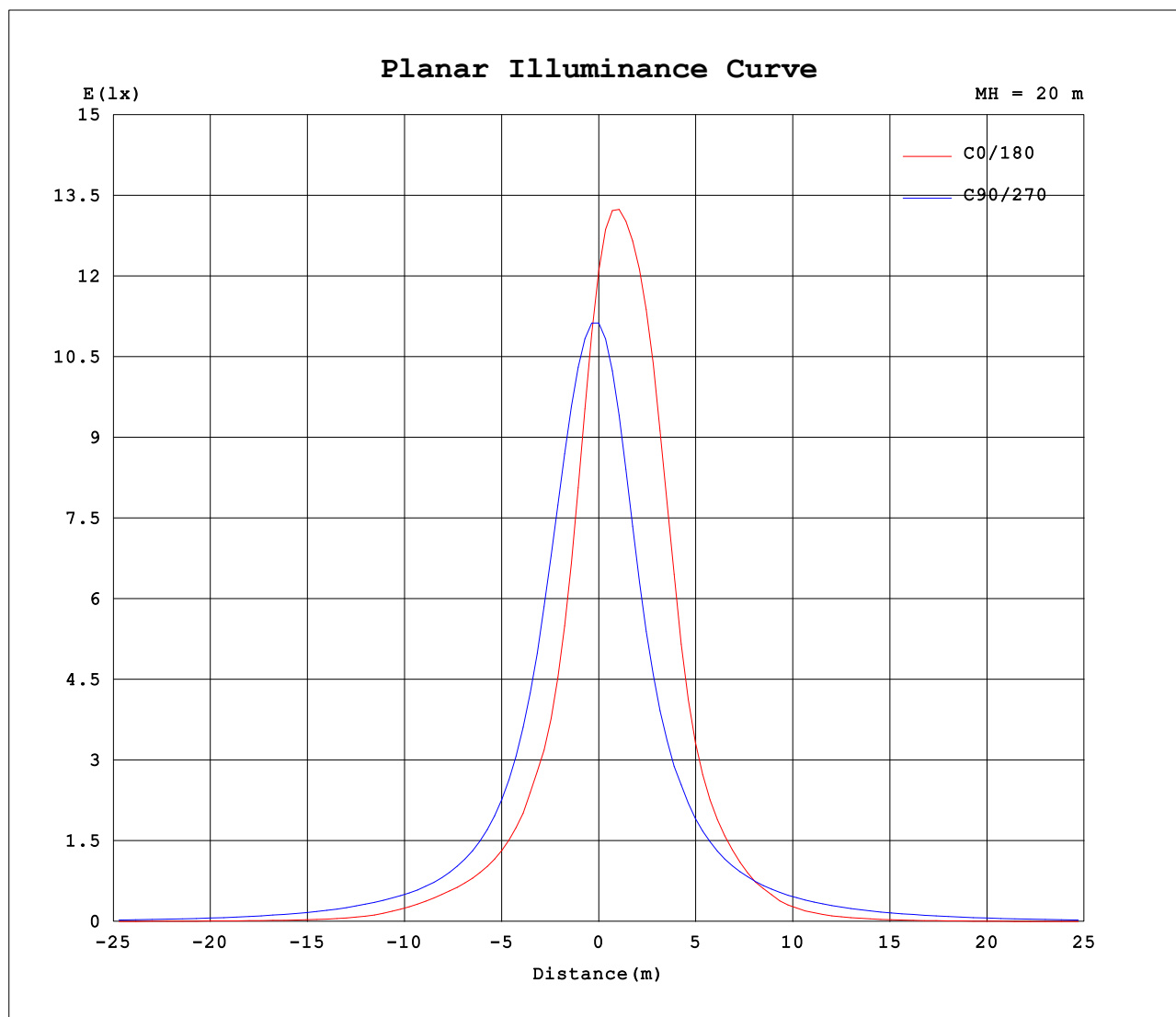
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 4     |
| L_0~180 (75) av  | 3     |
| L_0~180 (85) av  | 2     |
| L_90~270 (65) av | 69    |
| L_90~270 (75) av | 47    |
| L_90~270 (85) av | 24    |
| L_45 (65) av     | 4     |
| L_45 (75) av     | 2     |
| L_45 (85) av     | 6     |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 20DEG  
Operators: 01  
Test Date: 2025-08-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity: 65.0%  
Test Distance: 7.700m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                   |                  |
|----------------------------------------------------------------------------------|-------------------|------------------|
| Test:U:219.99V I:0.0880A P:18.100W PF:0.9000 Freq:49.99Hz Lamp Flux:772.585x1 lm |                   |                  |
| NAME:Lumino Ground-500mm-RGBW ALL-15D-REV2                                       | TYPE:RGBW W=4000K | WEIGHT:00        |
| SPEC.:15 DEG                                                                     | DIM.:500mm        | SERIAL No.:01    |
| MFR.: 001                                                                        | SUR.:0.8          | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                  | 4840 | 4888 | 4687 | 4452 | 4202 | 3919 | 4840 | 4888 | 4687 | 4452 | 4202 | 3919 |  |  |  |  |  |  |
| 5                  | 2224 | 2428 | 2729 | 3520 | 4403 | 5078 | 5121 | 5005 | 4274 | 2976 | 2181 | 1671 |  |  |  |  |  |  |
| 10                 | 1006 | 1066 | 1246 | 1781 | 2675 | 3790 | 3260 | 2786 | 2160 | 1411 | 1055 | 811  |  |  |  |  |  |  |
| 15                 | 516  | 560  | 658  | 873  | 1216 | 1580 | 1213 | 1111 | 976  | 747  | 583  | 452  |  |  |  |  |  |  |
| 20                 | 308  | 333  | 398  | 497  | 606  | 699  | 531  | 543  | 533  | 448  | 362  | 280  |  |  |  |  |  |  |
| 25                 | 176  | 212  | 263  | 317  | 362  | 347  | 208  | 257  | 334  | 292  | 248  | 170  |  |  |  |  |  |  |
| 30                 | 77.3 | 116  | 180  | 220  | 235  | 144  | 82.9 | 104  | 223  | 202  | 164  | 82.5 |  |  |  |  |  |  |
| 35                 | 35.2 | 51.8 | 121  | 153  | 152  | 58.1 | 36.7 | 42.7 | 142  | 145  | 108  | 36.6 |  |  |  |  |  |  |
| 40                 | 19.8 | 24.8 | 75.5 | 108  | 82.2 | 26.6 | 18.1 | 21.0 | 75.8 | 105  | 66.3 | 19.0 |  |  |  |  |  |  |
| 45                 | 12.4 | 14.4 | 43.9 | 75.8 | 37.1 | 14.1 | 8.83 | 11.5 | 34.8 | 74.9 | 36.6 | 11.6 |  |  |  |  |  |  |
| 50                 | 7.07 | 8.89 | 24.6 | 54.4 | 18.4 | 7.67 | 4.49 | 6.08 | 17.4 | 53.0 | 20.2 | 6.88 |  |  |  |  |  |  |
| 55                 | 4.05 | 4.61 | 14.1 | 40.6 | 10.5 | 3.89 | 2.45 | 3.28 | 10.0 | 39.5 | 11.3 | 3.49 |  |  |  |  |  |  |
| 60                 | 2.48 | 2.43 | 8.33 | 31.6 | 6.53 | 2.15 | 1.46 | 1.65 | 6.16 | 30.4 | 6.75 | 2.06 |  |  |  |  |  |  |
| 65                 | 1.67 | 1.68 | 4.85 | 24.4 | 3.72 | 1.37 | 1.00 | 1.29 | 3.41 | 22.5 | 3.43 | 1.48 |  |  |  |  |  |  |
| 70                 | 1.05 | 1.16 | 2.19 | 17.1 | 1.93 | 1.04 | 0.62 | 0.93 | 1.74 | 14.9 | 1.71 | 0.98 |  |  |  |  |  |  |
| 75                 | 0.66 | 0.80 | 1.48 | 10.4 | 1.37 | 0.73 | 0.38 | 0.63 | 1.08 | 8.91 | 1.18 | 0.68 |  |  |  |  |  |  |
| 80                 | 0.29 | 0.51 | 1.03 | 5.50 | 1.02 | 0.53 | 0.21 | 0.48 | 0.59 | 4.18 | 0.81 | 0.43 |  |  |  |  |  |  |
| 85                 | 0.15 | 0.34 | 0.77 | 2.06 | 0.80 | 0.38 | 0.09 | 0.35 | 0.40 | 1.28 | 0.58 | 0.33 |  |  |  |  |  |  |
| 90                 | 0.06 | 0.27 | 0.61 | 0.81 | 0.67 | 0.31 | 0.04 | 0.25 | 0.42 | 0.67 | 0.45 | 0.24 |  |  |  |  |  |  |
| 95                 | 0.05 | 0.27 | 0.58 | 0.78 | 0.61 | 0.26 | 0.04 | 0.23 | 0.46 | 0.67 | 0.45 | 0.22 |  |  |  |  |  |  |
| 100                | 0.05 | 0.27 | 0.57 | 0.78 | 0.60 | 0.25 | 0.04 | 0.21 | 0.46 | 0.66 | 0.45 | 0.21 |  |  |  |  |  |  |
| 105                | 0.05 | 0.27 | 0.57 | 0.77 | 0.61 | 0.25 | 0.05 | 0.16 | 0.46 | 0.66 | 0.45 | 0.21 |  |  |  |  |  |  |
| 110                | 0.05 | 0.27 | 0.56 | 0.77 | 0.53 | 0.25 | 0.05 | 0.16 | 0.46 | 0.66 | 0.46 | 0.21 |  |  |  |  |  |  |
| 115                | 0.06 | 0.30 | 0.56 | 0.77 | 0.54 | 0.25 | 0.07 | 0.18 | 0.48 | 0.65 | 0.46 | 0.21 |  |  |  |  |  |  |
| 120                | 0.08 | 0.31 | 0.61 | 0.78 | 0.57 | 0.25 | 0.07 | 0.19 | 0.49 | 0.64 | 0.49 | 0.21 |  |  |  |  |  |  |
| 125                | 0.11 | 0.33 | 0.61 | 0.82 | 0.56 | 0.28 | 0.09 | 0.21 | 0.53 | 0.65 | 0.52 | 0.21 |  |  |  |  |  |  |
| 130                | 0.19 | 0.37 | 0.68 | 0.87 | 0.65 | 0.32 | 0.13 | 0.26 | 0.58 | 0.70 | 0.61 | 0.26 |  |  |  |  |  |  |
| 135                | 0.29 | 0.53 | 0.81 | 0.97 | 0.76 | 0.42 | 0.21 | 0.31 | 0.68 | 0.81 | 0.74 | 0.42 |  |  |  |  |  |  |
| 140                | 0.60 | 0.83 | 1.06 | 1.16 | 0.90 | 0.58 | 0.35 | 0.43 | 0.83 | 1.01 | 1.00 | 0.73 |  |  |  |  |  |  |
| 145                | 1.33 | 1.48 | 1.56 | 1.52 | 1.17 | 0.83 | 0.60 | 0.66 | 1.10 | 1.39 | 1.48 | 1.37 |  |  |  |  |  |  |
| 150                | 2.70 | 2.68 | 2.53 | 2.24 | 1.69 | 1.28 | 1.02 | 1.17 | 1.51 | 2.08 | 2.34 | 2.50 |  |  |  |  |  |  |
| 155                | 4.30 | 4.14 | 3.80 | 3.37 | 2.72 | 2.15 | 1.78 | 2.00 | 2.46 | 3.16 | 3.58 | 3.90 |  |  |  |  |  |  |
| 160                | 5.28 | 5.14 | 4.84 | 4.57 | 4.05 | 3.57 | 3.13 | 3.34 | 3.75 | 4.26 | 4.57 | 4.83 |  |  |  |  |  |  |
| 165                | 5.37 | 5.26 | 5.21 | 5.21 | 5.02 | 4.87 | 4.50 | 4.63 | 4.75 | 4.88 | 4.86 | 4.91 |  |  |  |  |  |  |
| 170                | 4.66 | 4.60 | 4.89 | 5.03 | 5.24 | 5.34 | 5.09 | 5.05 | 4.92 | 4.76 | 4.57 | 4.28 |  |  |  |  |  |  |
| 175                | 3.97 | 3.99 | 4.37 | 4.70 | 4.90 | 4.96 | 4.71 | 4.73 | 4.50 | 4.35 | 4.21 | 3.99 |  |  |  |  |  |  |
| 180                | 4.04 | 4.14 | 4.18 | 4.21 | 4.30 | 4.30 | 4.08 | 4.13 | 4.20 | 4.22 | 4.28 | 4.29 |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:20DEG  
Operators:01  
Test Date:2025-08-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:7.700m [K=1.0000]  
Remarks: