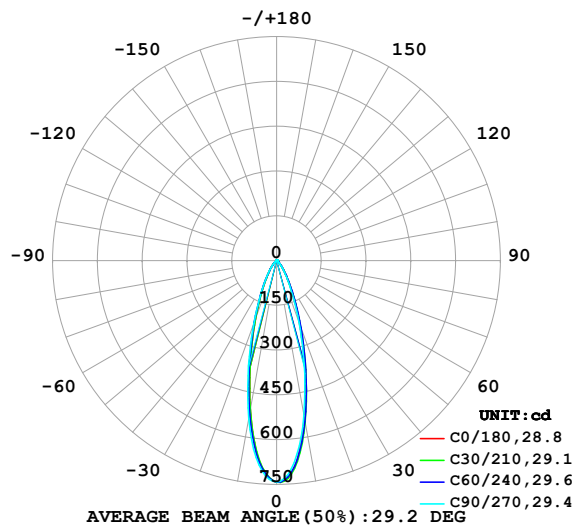


## LUMINAIRE PHOTOMETRIC TEST REPORT

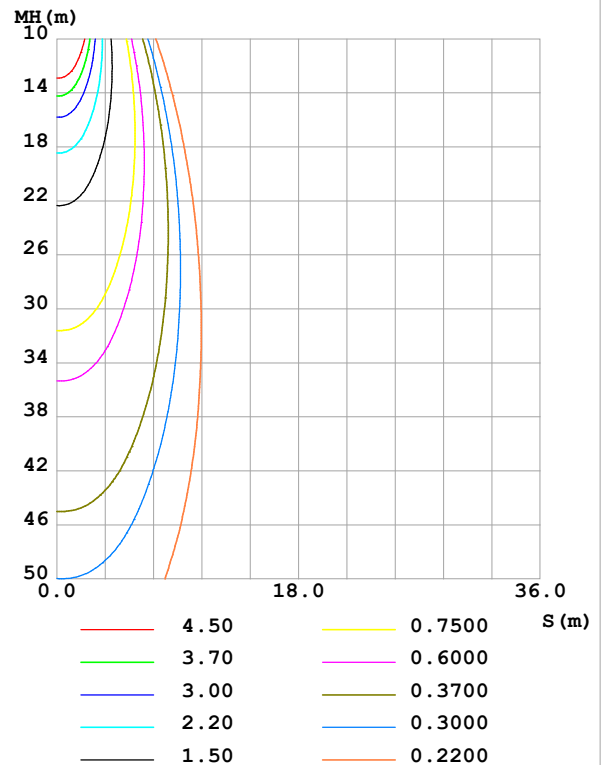
|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-EYPE:                   |                 | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: Olym pia lighting  | SUR.:           | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 16.16 lm/W |        |                        |          |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL            | 3030    | Imax (cd)                        | 743.2  | S/MH(C0/180)           | 0.47     |
| NOMINAL POWER(W) |         | LOR(%)                           | 100.0  | S/MH(C90/270)          | 0.49     |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)                   | 279.19 | $\eta$ UP,DN(C0-180)   | 2.0,48.0 |
| NOMINAL FLUX(lm) | 279.191 | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 1.8,48.2 |
| LAMPS INSIDE     | 1       | $\eta$ up (%)                    | 3.8    | CIBSE SHR NOM          | 0.50     |
| TEST VOLTAGE(V)  |         | $\eta$ down (%)                  | 96.2   | CIBSE SHR MAX          | 0.50     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [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       | 535.9                 | 549.8  | 528.4  | 496.9  | 509.6  | 514.8  | 537.5  | 555.1  | 0- 10    | 60.15       | 60.15        | 21.5,21.5 |
| 20       | 228.3                 | 238.3  | 220.2  | 197.7  | 209.3  | 213.2  | 225.3  | 236.0  | 10- 20   | 98.18       | 158.3        | 56.7,56.7 |
| 30       | 80.57                 | 83.03  | 73.94  | 67.60  | 73.72  | 73.13  | 76.04  | 80.89  | 20- 30   | 61.26       | 219.6        | 78.7,78.7 |
| 40       | 28.15                 | 29.32  | 26.92  | 24.05  | 26.19  | 25.49  | 26.10  | 27.94  | 30- 40   | 29.07       | 248.7        | 89.1,89.1 |
| 50       | 7.796                 | 9.092  | 8.809  | 7.228  | 7.548  | 7.256  | 7.668  | 7.900  | 40- 50   | 12.04       | 260.7        | 93.4,93.4 |
| 60       | 2.102                 | 2.423  | 2.746  | 2.097  | 2.070  | 2.163  | 2.342  | 2.141  | 50- 60   | 3.839       | 264.5        | 94.8,94.8 |
| 70       | 1.278                 | 1.403  | 1.784  | 1.315  | 1.263  | 1.420  | 1.466  | 1.217  | 60- 70   | 1.668       | 266.2        | 95.4,95.4 |
| 80       | 1.049                 | 1.084  | 1.392  | 1.064  | 1.020  | 1.112  | 1.164  | 0.9785 | 70- 80   | 1.291       | 267.5        | 95.8,95.8 |
| 90       | 0.8233                | 0.8132 | 0.8080 | 0.7957 | 0.8229 | 0.8204 | 0.7709 | 0.7695 | 80- 90   | 1.037       | 268.5        | 96.2,96.2 |
| 100      | 0.7744                | 0.7973 | 0.8371 | 0.8014 | 0.7774 | 0.8088 | 0.7934 | 0.7783 | 90-100   | 0.8529      | 269.4        | 96.5,96.5 |
| 110      | 0.9341                | 0.9901 | 1.066  | 1.028  | 0.9776 | 1.036  | 1.019  | 0.9699 | 100-110  | 0.9335      | 270.3        | 96.8,96.8 |
| 120      | 1.399                 | 1.459  | 1.559  | 1.549  | 1.435  | 1.479  | 1.451  | 1.388  | 110-120  | 1.202       | 271.5        | 97.3,97.3 |
| 130      | 2.145                 | 2.159  | 2.234  | 2.281  | 2.044  | 2.032  | 1.972  | 1.960  | 120-130  | 1.592       | 273.1        | 97.8,97.8 |
| 140      | 2.874                 | 2.835  | 2.818  | 2.940  | 2.481  | 2.454  | 2.380  | 2.416  | 130-140  | 1.850       | 275.0        | 98.5,98.5 |
| 150      | 3.289                 | 3.196  | 3.125  | 3.270  | 2.686  | 2.673  | 2.586  | 2.638  | 140-150  | 1.767       | 276.7        | 99.1,99.1 |
| 160      | 3.298                 | 3.169  | 3.093  | 3.235  | 2.726  | 2.733  | 2.604  | 2.655  | 150-160  | 1.367       | 278.1        | 99.6,99.6 |
| 170      | 2.984                 | 2.888  | 2.945  | 2.988  | 2.697  | 2.740  | 2.659  | 2.615  | 160-170  | 0.8180      | 278.9        | 99.9,99.9 |
| 180      | 2.757                 | 2.809  | 2.882  | 2.792  | 2.752  | 2.809  | 2.873  | 2.782  | 170-180  | 0.2665      | 279.2        | 100,100   |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |           |

Conical surface Flux(90deg): 256.21 lm

%lum = 91.8%

%lamp = 91.8%

Conical surface Flux(130deg): 265.46 lm

%lum = 95.1%

%lamp = 95.1%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:  
 Test Date:2025-04-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity:65.0%  
 Test Distance:6.360m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-#TYPE:                  | WEIGHT:         |                  |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 279    | 317     |
| 80                | 156    | 204     |
| 75                | 114    | 156     |
| 70                | 96     | 133     |
| 65                | 93     | 122     |
| 60                | 108    | 140     |
| 55                | 167    | 207     |
| 50                | 312    | 348     |
| 45                | 563    | 567     |

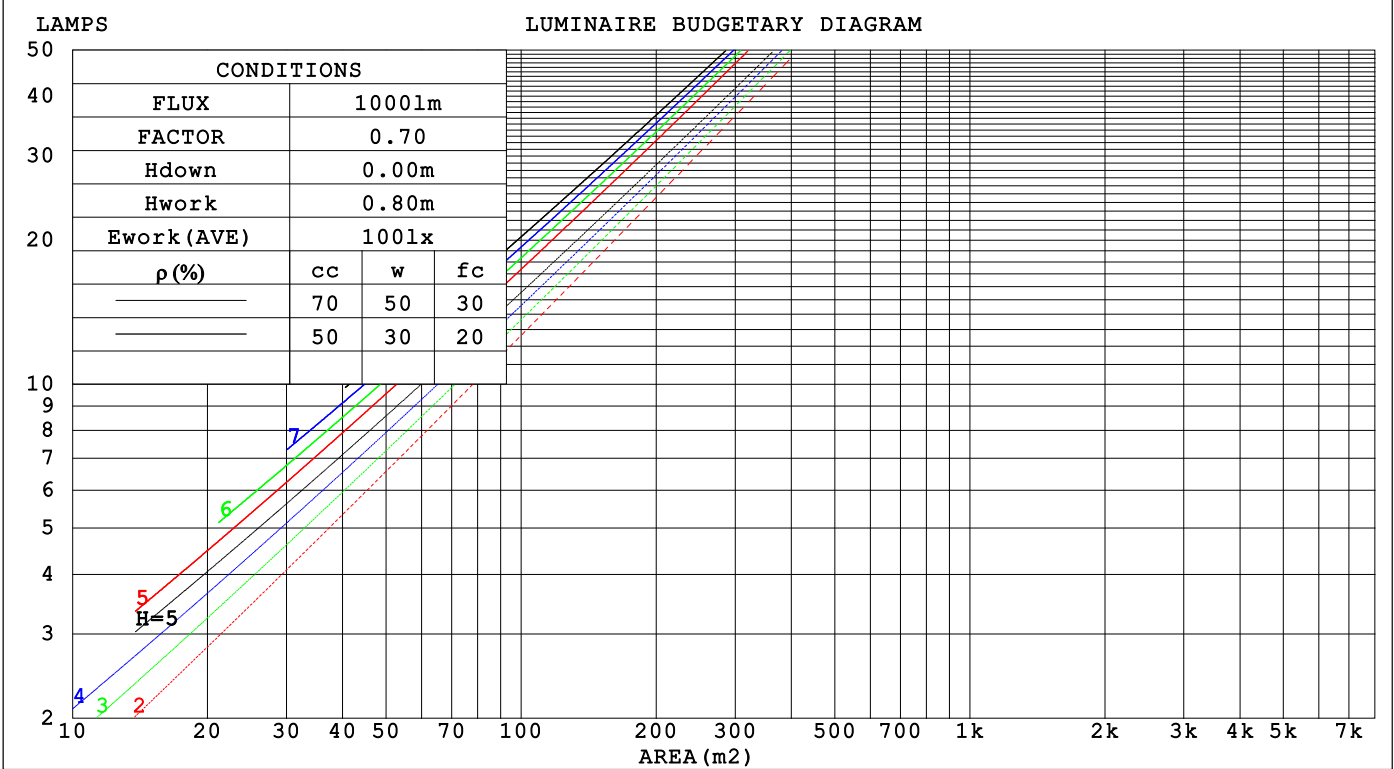
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                 |                  |
|---|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz          |                 |                  |
| Lamp Flux:279.19lx1 lm                                      |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-#TYPE: |                 | WEIGHT:          |
| SPEC.:  | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLYMPIA lighting                                      | SUR.:           | 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 |      |      |      |      |      |      |      |      |      |      |      |     |     |     | Coefficients of Utilization(CU) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0  | 1.18                  | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .96                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0  | 1.10                  | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.03 | 1.01 | .00  | .99  | .97  | .96  | .95 | .94 | .93 | .91                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | 1.03                  | .00  | .97  | 1.01 | .98  | .95  | .98  | .95  | .93  | .94  | .92  | .90  | .91 | .89 | .88 | .86                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .97                   | .93  | .89  | .96  | .92  | .88  | .93  | .89  | .86  | .90  | .87  | .85  | .87 | .85 | .83 | .81                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .92                   | .87  | .83  | .91  | .86  | .83  | .88  | .84  | .81  | .86  | .82  | .80  | .83 | .81 | .79 | .77                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .87                   | .82  | .78  | .86  | .81  | .78  | .84  | .80  | .77  | .82  | .78  | .76  | .80 | .77 | .75 | .73                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .83                   | .78  | .74  | .82  | .77  | .73  | .80  | .76  | .73  | .78  | .75  | .72  | .77 | .74 | .71 | .70                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .79                   | .74  | .70  | .78  | .73  | .70  | .77  | .72  | .69  | .75  | .71  | .69  | .74 | .71 | .68 | .67                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .76                   | .70  | .67  | .75  | .70  | .66  | .74  | .69  | .66  | .72  | .68  | .66  | .71 | .68 | .65 | .64                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .72                   | .67  | .64  | .72  | .67  | .64  | .71  | .66  | .63  | .70  | .66  | .63  | .68 | .65 | .62 | .61                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .69                   | .64  | .61  | .69  | .64  | .61  | .68  | .64  | .61  | .67  | .63  | .60  | .66 | .62 | .60 | .59                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

## WEC AND CCEC

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.191x1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-RTYPE:                  | WEIGHT:         |                  |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | 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  | .170                  | .096 | .031 | .162 | .092 | .029 | .147 | .084 | .027 | .133 | .077 | .025 | .121 | .070 | .023 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0  | .159                  | .087 | .027 | .152 | .084 | .026 | .139 | .078 | .024 | .128 | .072 | .022 | .117 | .066 | .021 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0  | .149                  | .079 | .024 | .143 | .077 | .023 | .132 | .072 | .022 | .122 | .067 | .021 | .113 | .063 | .019 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0  | .140                  | .073 | .021 | .135 | .071 | .021 | .126 | .067 | .020 | .117 | .063 | .019 | .109 | .059 | .018 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0  | .132                  | .067 | .020 | .128 | .066 | .019 | .120 | .062 | .018 | .112 | .059 | .018 | .105 | .056 | .017 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0  | .125                  | .063 | .018 | .122 | .061 | .018 | .114 | .059 | .017 | .107 | .056 | .016 | .101 | .053 | .016 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0  | .119                  | .059 | .017 | .116 | .058 | .016 | .109 | .055 | .016 | .103 | .053 | .015 | .097 | .051 | .015 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0  | .113                  | .055 | .016 | .110 | .054 | .015 | .105 | .052 | .015 | .099 | .050 | .014 | .094 | .048 | .014 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0  | .108                  | .052 | .015 | .106 | .051 | .014 | .100 | .050 | .014 | .095 | .048 | .014 | .091 | .046 | .013 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0 | .104                  | .050 | .014 | .101 | .049 | .014 | .096 | .047 | .013 | .092 | .046 | .013 | .088 | .044 | .013 |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| 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  | .220                  | .220 | .220 | .188 | .188 | .188 | .128  | .128 | .128 | .074 | .074 | .074 | .024 | .024 | .024 |   |
| 1.0  | .200                  | .187 | .175 | .171 | .160 | .150 | .117  | .110 | .104 | .067 | .064 | .060 | .022 | .021 | .020 |   |
| 2.0  | .184                  | .162 | .144 | .158 | .139 | .124 | .108  | .097 | .087 | .062 | .056 | .051 | .020 | .018 | .017 |   |
| 3.0  | .171                  | .143 | .121 | .146 | .123 | .105 | .101  | .086 | .074 | .058 | .050 | .043 | .019 | .016 | .014 |   |
| 4.0  | .160                  | .128 | .104 | .137 | .111 | .091 | .094  | .077 | .064 | .055 | .045 | .038 | .018 | .015 | .012 |   |
| 5.0  | .150                  | .117 | .092 | .129 | .101 | .080 | .089  | .070 | .056 | .052 | .041 | .033 | .017 | .014 | .011 |   |
| 6.0  | .142                  | .107 | .082 | .122 | .093 | .071 | .084  | .065 | .050 | .049 | .038 | .030 | .016 | .012 | .010 |   |
| 7.0  | .135                  | .099 | .074 | .116 | .086 | .065 | .080  | .060 | .046 | .047 | .036 | .027 | .015 | .012 | .009 |   |
| 8.0  | .129                  | .093 | .068 | .111 | .081 | .059 | .077  | .057 | .042 | .045 | .033 | .025 | .014 | .011 | .008 |   |
| 9.0  | .124                  | .088 | .063 | .107 | .076 | .055 | .074  | .053 | .039 | .043 | .032 | .023 | .014 | .010 | .008 |   |
| 10.0 | .119                  | .083 | .059 | .103 | .072 | .052 | .071  | .051 | .037 | .042 | .030 | .022 | .013 | .010 | .007 |   |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|  |                  |      |      |      |                 |                |         |                  |      |      |
|--|------------------|------|------|------|-----------------|----------------|---------|------------------|------|------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                  |      |      |      |                 |                |         |                  |      |      |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-TYPE:                   |                  |      |      |      |                 |                | WEIGHT: |                  |      |      |
| SPEC.:   |                  |      |      |      | DIM.: Length=1m |                |         | SERIAL No.:      |      |      |
| MFR.: OLYMPIA lighting   |                  |      |      |      | SUR.:           |                |         | 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  | 13.2             | 14.0 | 13.5 | 14.2 | 14.5            | 13.3           | 14.1    | 13.6             | 14.3 | 14.5 |
| 3H   | 13.2             | 13.9 | 13.5 | 14.2 | 14.4            | 13.3           | 14.1    | 13.6             | 14.3 | 14.6 |
| 4H   | 13.2             | 13.9 | 13.5 | 14.2 | 14.5            | 13.4           | 14.1    | 13.8             | 14.4 | 14.7 |
| 6H   | 13.3             | 14.0 | 13.7 | 14.3 | 14.6            | 13.6           | 14.3    | 14.0             | 14.6 | 14.9 |
| 8H   | 13.4             | 14.1 | 13.8 | 14.4 | 14.7            | 13.8           | 14.4    | 14.2             | 14.8 | 15.1 |
| 12H  | 13.6             | 14.2 | 14.0 | 14.5 | 14.9            | 14.0           | 14.6    | 14.4             | 15.0 | 15.3 |
| 4H 2H  | 13.0             | 13.8 | 13.4 | 14.0 | 14.3            | 13.1           | 13.8    | 13.4             | 14.1 | 14.4 |
| 3H   | 13.1             | 13.7 | 13.4 | 14.0 | 14.4            | 13.2           | 13.8    | 13.6             | 14.2 | 14.5 |
| 4H   | 13.2             | 13.7 | 13.6 | 14.1 | 14.5            | 13.4           | 14.0    | 13.8             | 14.3 | 14.7 |
| 6H   | 13.4             | 13.9 | 13.8 | 14.3 | 14.7            | 13.8           | 14.3    | 14.2             | 14.7 | 15.1 |
| 8H   | 13.6             | 14.1 | 14.0 | 14.5 | 14.9            | 14.0           | 14.5    | 14.5             | 14.9 | 15.4 |
| 12H  | 13.9             | 14.3 | 14.4 | 14.8 | 15.2            | 14.4           | 14.8    | 14.9             | 15.2 | 15.7 |
| 8H 4H  | 13.1             | 13.6 | 13.6 | 14.0 | 14.5            | 13.4           | 13.8    | 13.8             | 14.3 | 14.7 |
| 6H   | 13.5             | 13.9 | 14.0 | 14.3 | 14.8            | 13.9           | 14.3    | 14.4             | 14.7 | 15.2 |
| 8H   | 13.8             | 14.2 | 14.3 | 14.6 | 15.2            | 14.3           | 14.6    | 14.8             | 15.1 | 15.6 |
| 12H  | 14.3             | 14.6 | 14.8 | 15.1 | 15.7            | 14.8           | 15.1    | 15.3             | 15.6 | 16.1 |
| 12H 4H   | 13.1             | 13.6 | 13.6 | 14.0 | 14.5            | 13.4           | 13.8    | 13.8             | 14.2 | 14.7 |
| 6H   | 13.6             | 13.9 | 14.1 | 14.4 | 14.9            | 13.9           | 14.2    | 14.4             | 14.7 | 15.2 |
| 8H   | 13.9             | 14.2 | 14.5 | 14.7 | 15.3            | 14.4           | 14.6    | 14.9             | 15.1 | 15.7 |
| Variations with the observer position at spacings(CIE Pub.117):              |                  |      |      |      |                 |                |         |                  |      |      |
| S = 1.0H   | + 1.7 / - 2.7    |      |      |      |                 | + 1.4 / - 2.1  |         |                  |      |      |
| 1.5H   | + 3.0 / - 2.5    |      |      |      |                 | + 2.4 / - 2.1  |         |                  |      |      |
| 2.0H   | + 3.1 / - 1.5    |      |      |      |                 | + 2.7 / - 1.3  |         |                  |      |      |

CIE Pub.117, 279.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.4)  
Area: 0.0392 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-EYPE:                   | WEIGHT:         |                  |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |

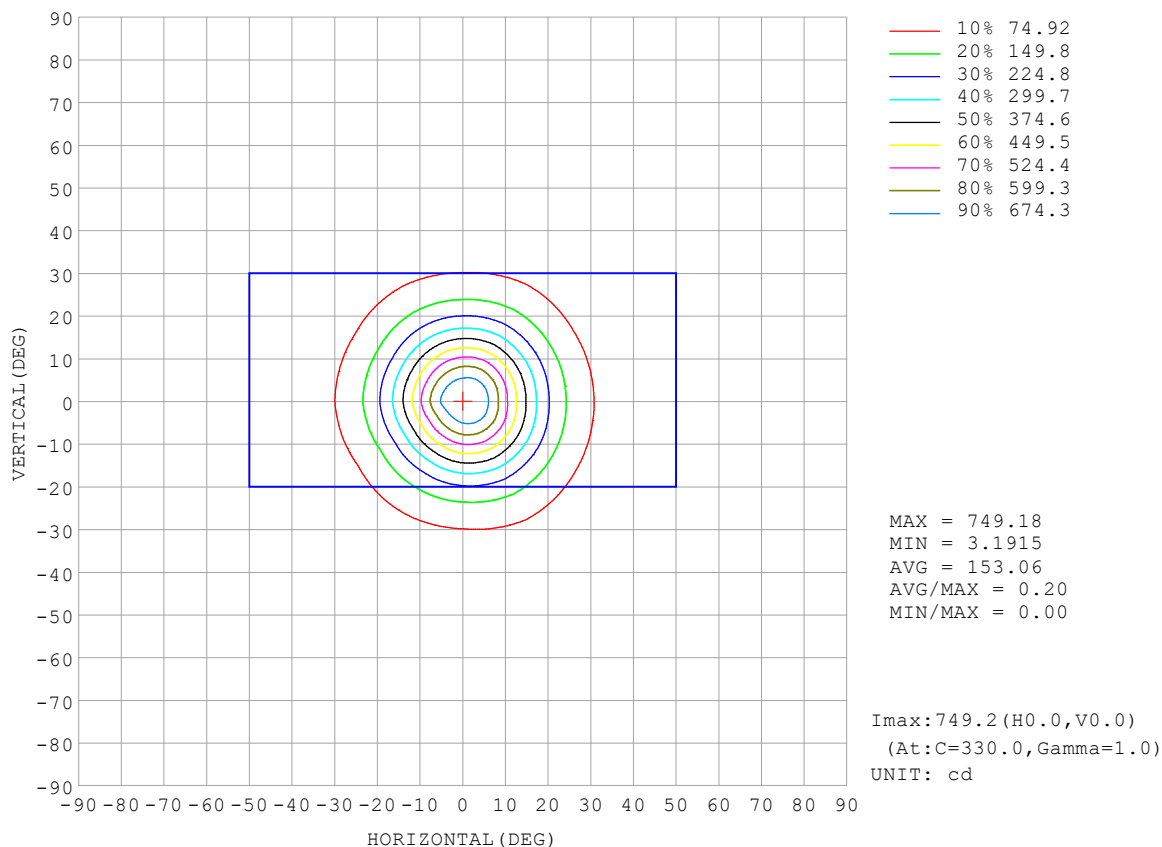
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 85   | 78  | 74        | 84  | 78  | 74  | 83  | 77            | 74  | 70     |
| 0.80                             | 92   | 86  | 82        | 91  | 86  | 82  | 90  | 85            | 81  | 77     |
| 1.00                             | 97   | 91  | 87        | 96  | 90  | 87  | 94  | 90            | 86  | 82     |
| 1.25                             | 101  | 95  | 92        | 100 | 95  | 91  | 97  | 93            | 90  | 85     |
| 1.50                             | 104  | 99  | 95        | 102 | 98  | 94  | 100 | 96            | 93  | 88     |
| 2.00                             | 107  | 102 | 99        | 105 | 101 | 98  | 102 | 98            | 96  | 90     |
| 2.50                             | 108  | 104 | 101       | 107 | 103 | 100 | 103 | 100           | 98  | 91     |
| 3.00                             | 110  | 106 | 103       | 108 | 105 | 102 | 104 | 101           | 99  | 92     |
| 4.00                             | 112  | 109 | 107       | 110 | 107 | 105 | 106 | 104           | 102 | 94     |
| 5.00                             | 114  | 111 | 109       | 111 | 109 | 107 | 106 | 105           | 103 | 95     |
| 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: 25.3°C  
 Operators:  
 Test Date: 2025-04-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
 Humidity: 65.0%  
 Test Distance: 6.360m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-TYPE:                   | WEIGHT:         |                  |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |



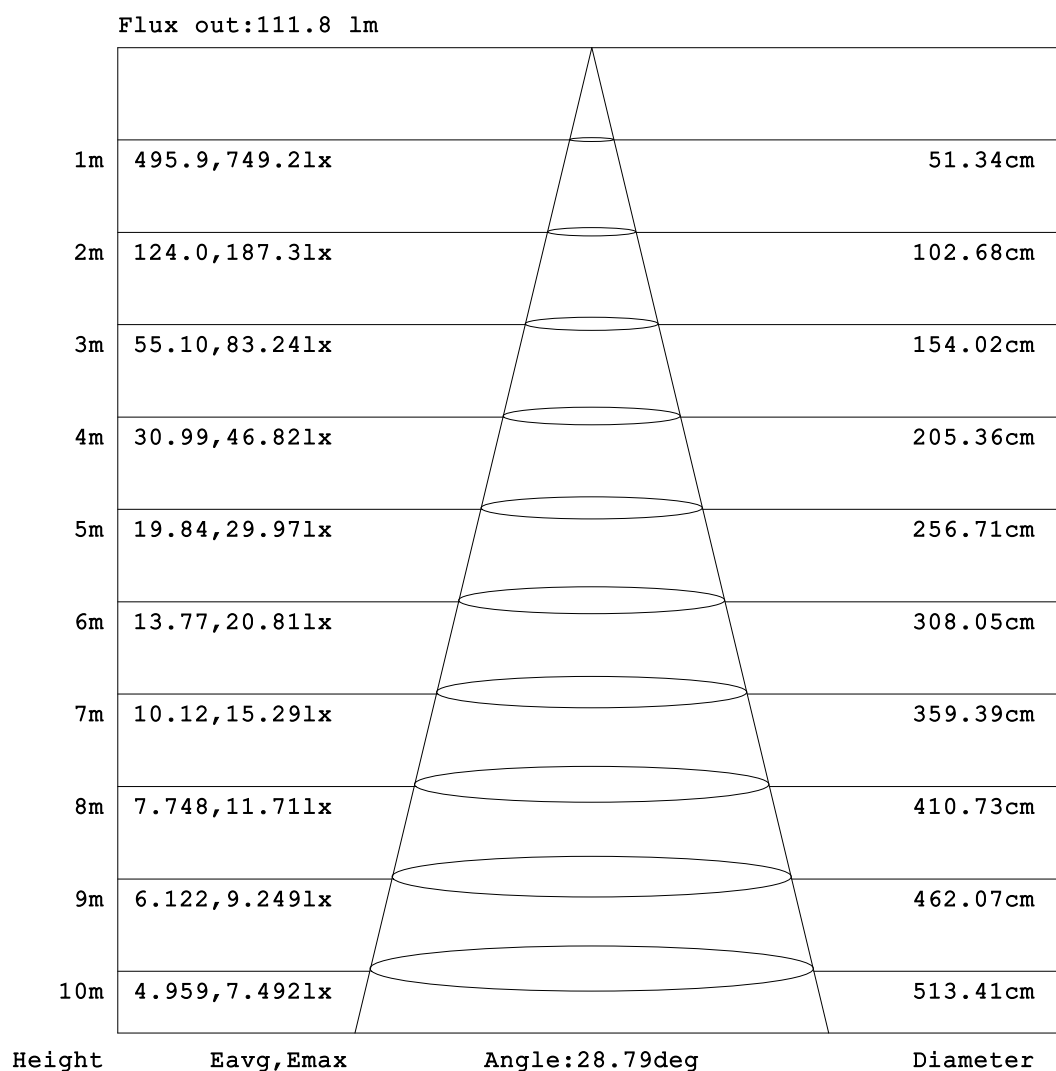
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:



## AAI Figure

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-#TYPE:                  | WEIGHT:         |                  |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |



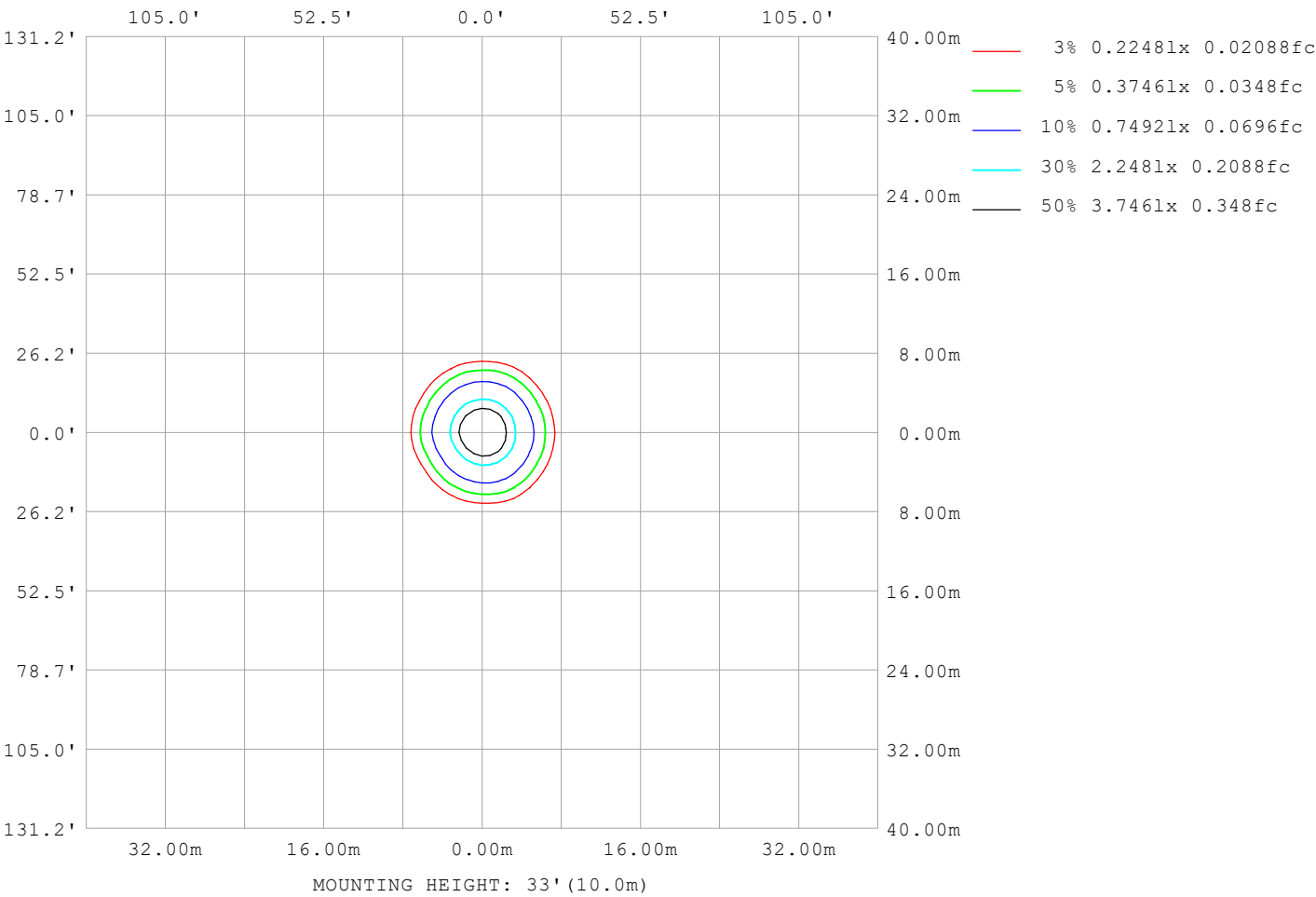
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-EYPE:                   | WEIGHT:         |                  |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

## LED Avg.L Report

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |                 |                  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000                         | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |

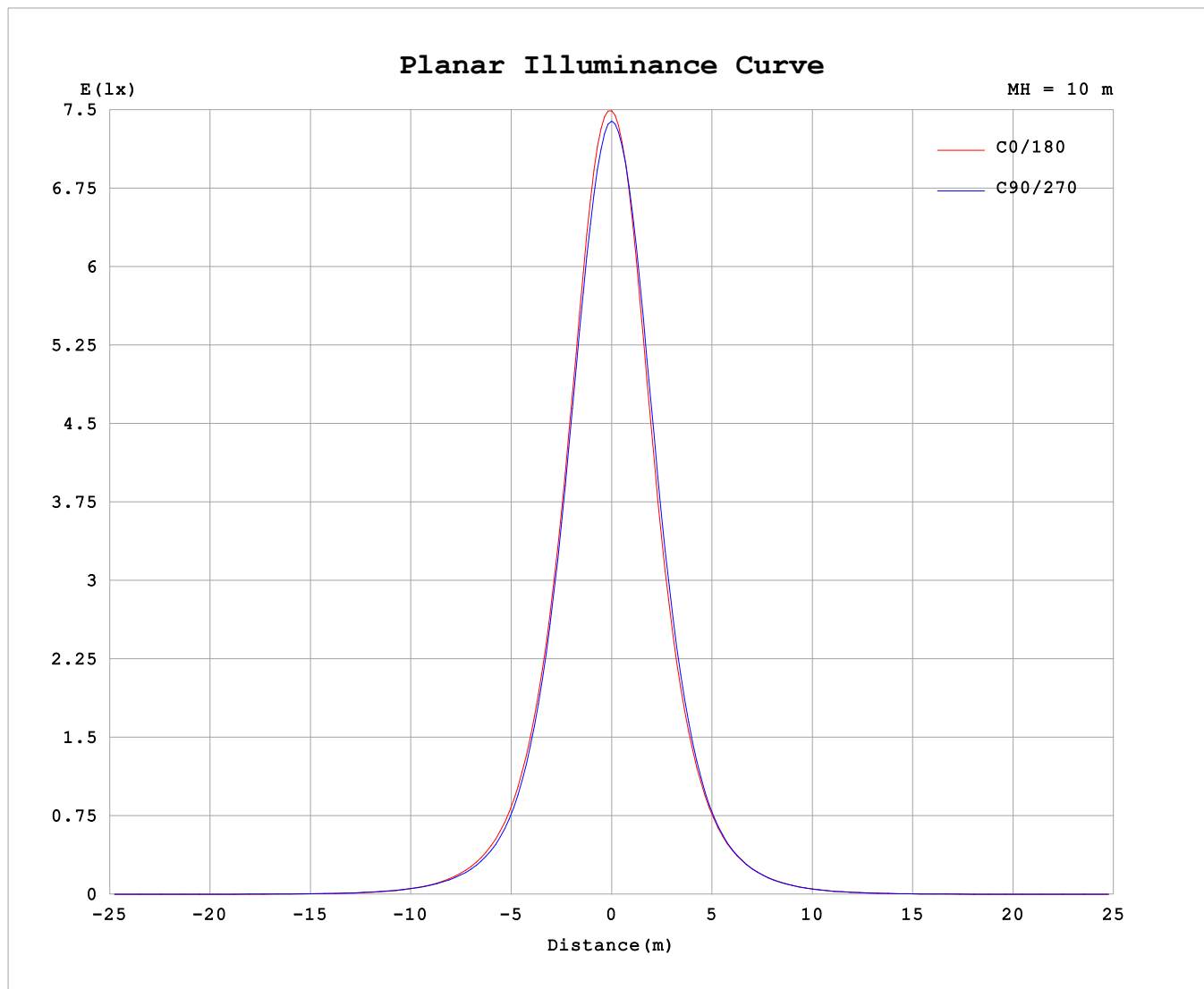
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 91    |
| L_0~180 (75) av  | 112   |
| L_0~180 (85) av  | 273   |
| L_90~270 (65) av | 114   |
| L_90~270 (75) av | 142   |
| L_90~270 (85) av | 309   |
| L_45 (65) av     | 95    |
| L_45 (75) av     | 115   |
| L_45 (85) av     | 270   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators:  
Test Date: 2025-04-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity: 65.0%  
Test Distance: 6.360m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |  |  |  |  |  |  |  |  |  |                  |  |
|--|--|--|--|--|--|--|--|--|--|------------------|--|
| Test:U:24.00V I:0.7197A P:17.27W PF:1.000 Freq:0Hz<br>Lamp Flux:279.19lx1 lm |  |  |  |  |  |  |  |  |  |                  |  |
| NAME: AW01-24V-3030-18-DMX4-RGBW(3000K)-80-40-A-1000-MYPE:                   |  |  |  |  |  |  |  |  |  | WEIGHT:          |  |
| SPEC.:   |  |  |  |  |  |  |  |  |  | DIM.: Length=1m  |  |
| MFR.: OLympia lighting   |  |  |  |  |  |  |  |  |  | SUR.:            |  |
|  |  |  |  |  |  |  |  |  |  | SERIAL No.:      |  |
|  |  |  |  |  |  |  |  |  |  | Shielding Angle: |  |

Table--1

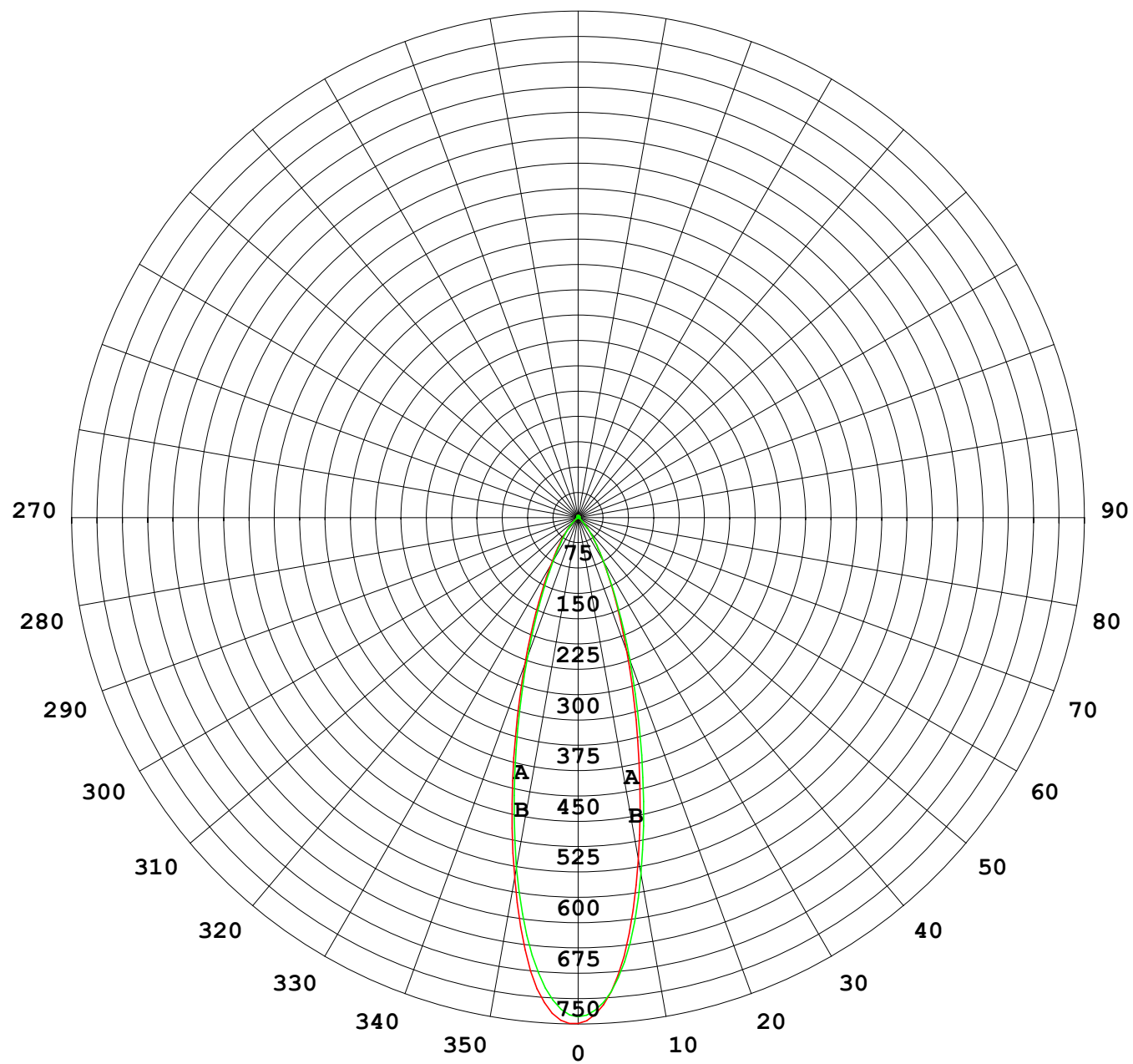
UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0                  | 742  | 742  | 742  | 742  | 742  | 742  | 742  | 742  | 742  | 742  | 742  | 742  |  |  |  |  |  |  |  |
| 5                  | 693  | 699  | 692  | 679  | 664  | 661  | 674  | 670  | 676  | 686  | 700  | 705  |  |  |  |  |  |  |  |
| 10                 | 536  | 551  | 548  | 528  | 502  | 492  | 510  | 507  | 522  | 538  | 556  | 554  |  |  |  |  |  |  |  |
| 15                 | 365  | 378  | 379  | 357  | 330  | 319  | 339  | 338  | 352  | 365  | 381  | 377  |  |  |  |  |  |  |  |
| 20                 | 228  | 238  | 239  | 220  | 202  | 193  | 209  | 207  | 219  | 225  | 237  | 235  |  |  |  |  |  |  |  |
| 25                 | 137  | 140  | 144  | 128  | 120  | 111  | 125  | 121  | 130  | 132  | 141  | 138  |  |  |  |  |  |  |  |
| 30                 | 80.6 | 80.8 | 85.3 | 73.9 | 70.4 | 64.8 | 73.7 | 70.4 | 75.9 | 76.0 | 82.9 | 78.9 |  |  |  |  |  |  |  |
| 35                 | 48.2 | 48.0 | 50.3 | 44.2 | 41.9 | 38.8 | 44.4 | 41.9 | 44.6 | 44.9 | 48.7 | 47.0 |  |  |  |  |  |  |  |
| 40                 | 28.2 | 28.7 | 29.9 | 26.9 | 24.8 | 23.3 | 26.2 | 25.1 | 25.9 | 26.1 | 28.3 | 27.6 |  |  |  |  |  |  |  |
| 45                 | 15.5 | 16.5 | 17.2 | 15.8 | 14.1 | 13.3 | 14.6 | 14.0 | 14.2 | 14.6 | 15.6 | 15.3 |  |  |  |  |  |  |  |
| 50                 | 7.80 | 8.78 | 9.40 | 8.81 | 7.48 | 6.98 | 7.55 | 7.26 | 7.25 | 7.67 | 7.96 | 7.84 |  |  |  |  |  |  |  |
| 55                 | 3.72 | 4.33 | 4.66 | 4.68 | 3.82 | 3.48 | 3.66 | 3.66 | 3.64 | 3.97 | 3.95 | 3.82 |  |  |  |  |  |  |  |
| 60                 | 2.10 | 2.35 | 2.49 | 2.75 | 2.23 | 1.97 | 2.07 | 2.20 | 2.12 | 2.34 | 2.20 | 2.08 |  |  |  |  |  |  |  |
| 65                 | 1.53 | 1.66 | 1.74 | 2.03 | 1.64 | 1.45 | 1.50 | 1.71 | 1.57 | 1.73 | 1.53 | 1.44 |  |  |  |  |  |  |  |
| 70                 | 1.28 | 1.37 | 1.44 | 1.78 | 1.41 | 1.23 | 1.26 | 1.50 | 1.34 | 1.47 | 1.26 | 1.18 |  |  |  |  |  |  |  |
| 75                 | 1.14 | 1.19 | 1.26 | 1.59 | 1.25 | 1.09 | 1.12 | 1.33 | 1.18 | 1.29 | 1.11 | 1.05 |  |  |  |  |  |  |  |
| 80                 | 1.05 | 1.05 | 1.11 | 1.39 | 1.12 | 1.01 | 1.02 | 1.18 | 1.05 | 1.16 | 1.00 | 0.96 |  |  |  |  |  |  |  |
| 85                 | 0.94 | 0.93 | 0.96 | 1.09 | 0.95 | 0.90 | 0.92 | 1.03 | 0.90 | 1.03 | 0.90 | 0.87 |  |  |  |  |  |  |  |
| 90                 | 0.82 | 0.81 | 0.82 | 0.81 | 0.80 | 0.80 | 0.82 | 0.87 | 0.77 | 0.77 | 0.79 | 0.75 |  |  |  |  |  |  |  |
| 95                 | 0.78 | 0.78 | 0.78 | 0.80 | 0.78 | 0.77 | 0.77 | 0.78 | 0.78 | 0.76 | 0.77 | 0.73 |  |  |  |  |  |  |  |
| 100                | 0.77 | 0.80 | 0.79 | 0.84 | 0.80 | 0.80 | 0.78 | 0.78 | 0.84 | 0.79 | 0.80 | 0.76 |  |  |  |  |  |  |  |
| 105                | 0.83 | 0.86 | 0.87 | 0.92 | 0.89 | 0.89 | 0.86 | 0.87 | 0.93 | 0.89 | 0.89 | 0.82 |  |  |  |  |  |  |  |
| 110                | 0.93 | 0.98 | 1.00 | 1.07 | 1.03 | 1.02 | 0.98 | 1.00 | 1.07 | 1.02 | 1.01 | 0.93 |  |  |  |  |  |  |  |
| 115                | 1.13 | 1.17 | 1.20 | 1.28 | 1.27 | 1.24 | 1.18 | 1.19 | 1.26 | 1.22 | 1.19 | 1.11 |  |  |  |  |  |  |  |
| 120                | 1.40 | 1.44 | 1.47 | 1.56 | 1.56 | 1.54 | 1.44 | 1.45 | 1.51 | 1.45 | 1.42 | 1.35 |  |  |  |  |  |  |  |
| 125                | 1.75 | 1.78 | 1.81 | 1.89 | 1.90 | 1.90 | 1.74 | 1.75 | 1.77 | 1.71 | 1.70 | 1.64 |  |  |  |  |  |  |  |
| 130                | 2.14 | 2.16 | 2.16 | 2.23 | 2.27 | 2.30 | 2.04 | 2.02 | 2.04 | 1.97 | 1.98 | 1.94 |  |  |  |  |  |  |  |
| 135                | 2.53 | 2.54 | 2.51 | 2.55 | 2.60 | 2.67 | 2.30 | 2.27 | 2.27 | 2.20 | 2.22 | 2.21 |  |  |  |  |  |  |  |
| 140                | 2.87 | 2.87 | 2.79 | 2.82 | 2.89 | 2.99 | 2.48 | 2.45 | 2.45 | 2.38 | 2.42 | 2.41 |  |  |  |  |  |  |  |
| 145                | 3.13 | 3.12 | 3.01 | 3.01 | 3.09 | 3.22 | 2.61 | 2.59 | 2.59 | 2.51 | 2.56 | 2.55 |  |  |  |  |  |  |  |
| 150                | 3.29 | 3.27 | 3.13 | 3.13 | 3.20 | 3.34 | 2.69 | 2.67 | 2.67 | 2.59 | 2.64 | 2.63 |  |  |  |  |  |  |  |
| 155                | 3.33 | 3.28 | 3.16 | 3.13 | 3.23 | 3.33 | 2.73 | 2.72 | 2.71 | 2.60 | 2.64 | 2.68 |  |  |  |  |  |  |  |
| 160                | 3.30 | 3.22 | 3.12 | 3.09 | 3.21 | 3.26 | 2.73 | 2.74 | 2.72 | 2.60 | 2.62 | 2.69 |  |  |  |  |  |  |  |
| 165                | 3.16 | 3.07 | 3.00 | 3.02 | 3.11 | 3.14 | 2.71 | 2.74 | 2.73 | 2.61 | 2.59 | 2.68 |  |  |  |  |  |  |  |
| 170                | 2.98 | 2.88 | 2.90 | 2.95 | 3.00 | 2.98 | 2.70 | 2.73 | 2.75 | 2.66 | 2.61 | 2.62 |  |  |  |  |  |  |  |
| 175                | 2.81 | 2.77 | 2.86 | 2.90 | 2.91 | 2.84 | 2.70 | 2.72 | 2.80 | 2.75 | 2.68 | 2.61 |  |  |  |  |  |  |  |
| 180                | 2.76 | 2.76 | 2.86 | 2.88 | 2.82 | 2.76 | 2.75 | 2.75 | 2.86 | 2.87 | 2.83 | 2.74 |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-04-23

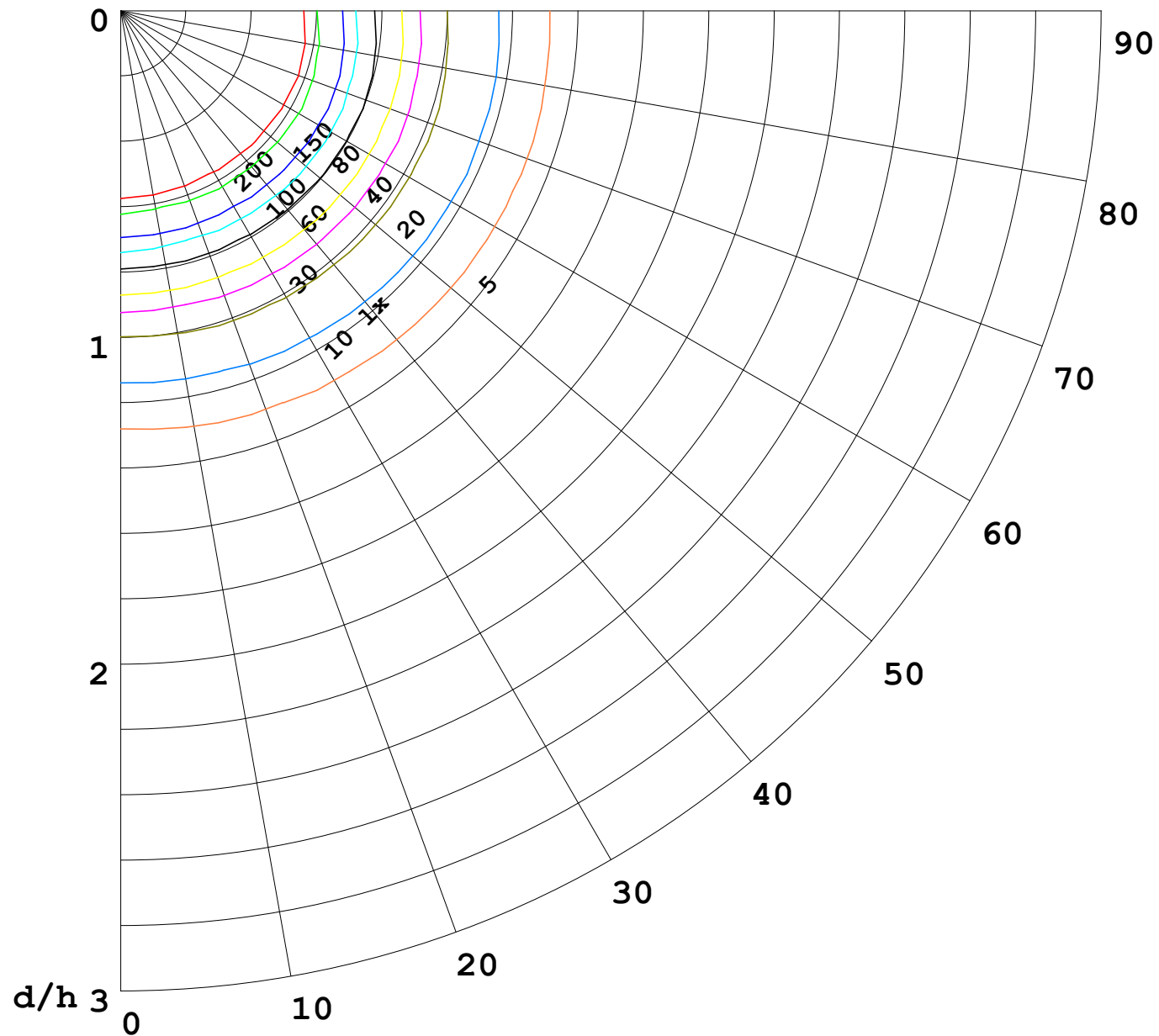
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.488  
Humidity:65.0%  
Test Distance:6.360m [K=1.0000]  
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 1000 lm  
 K = 0.7  
 Hcc = 0.8 m  
 Hfc = 0.0 m  
 Eave = 100 lx

|       | Pcc | Pw | Pfc |
|-------|-----|----|-----|
| ————— | 70  | 50 | 30  |
| ————— | 50  | 30 | 20  |

