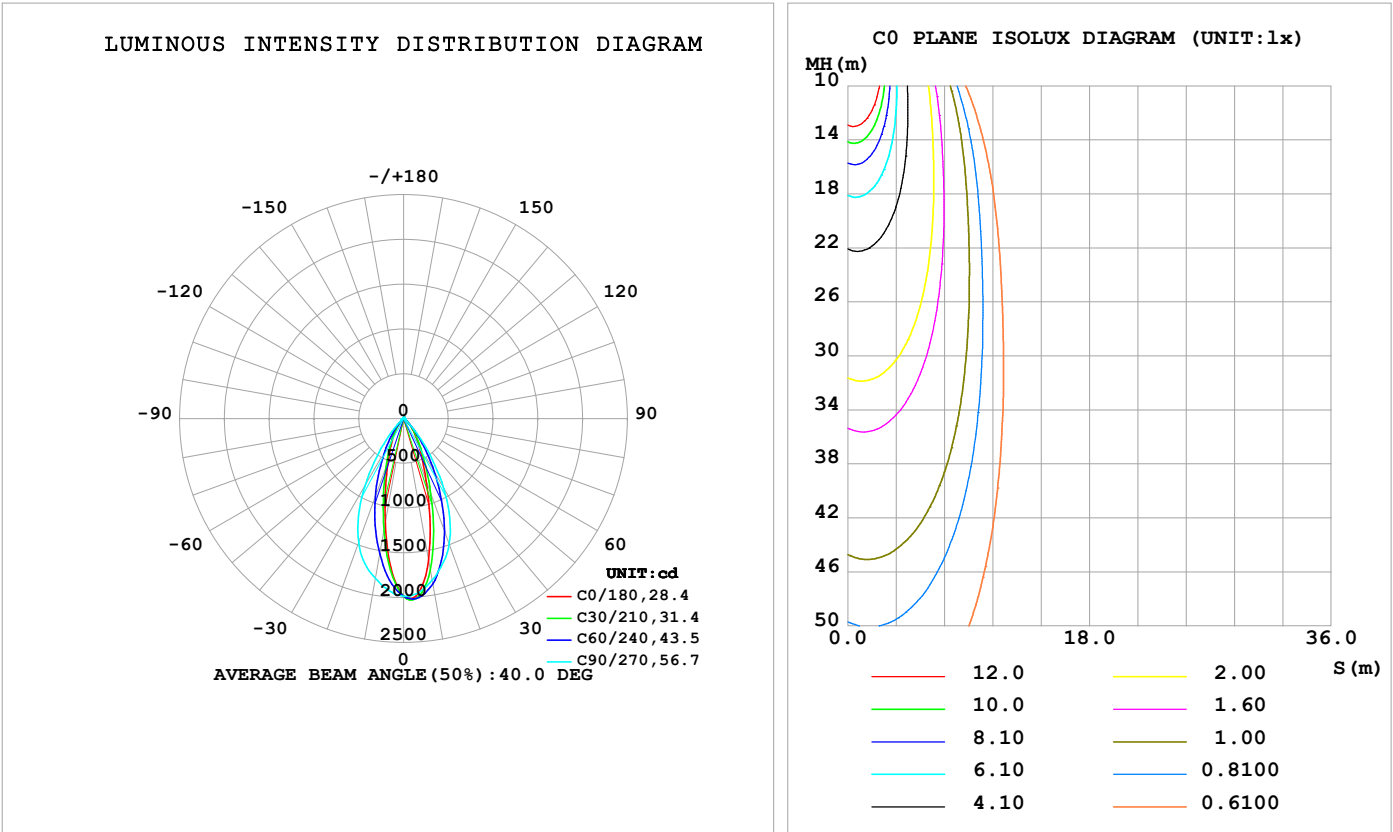


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-A-1000                                   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA |        |                    |          | Eff: 50.07 lm/W |
|------------------|---------|------------------|--------|--------------------|----------|-----------------|
| MODEL            | 3535    | Imax (cd)        | 2027   | S/MH (C0/180)      | 0.41     |                 |
| NOMINAL POWER(W) | 24      | LOR (%)          | 100.0  | S/MH (C90/270)     | 0.86     |                 |
| RATED VOLTAGE(V) | 24      | TOTAL FLUX(lm)   | 1182.2 | η UP,DN (C0-180)   | 2.0,49.7 |                 |
| NOMINAL FLUX(lm) | 1182.23 | CIE CLASS        | DIRECT | η UP,DN (C180-360) | 1.9,46.4 |                 |
| LAMPS INSIDE     | 1       | η up (%)         | 3.9    | CIBSE SHR NOM      | 0.50     |                 |
| TEST VOLTAGE(V)  |         | η down (%)       | 96.1   | CIBSE SHR MAX      | 0.55     |                 |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-05-06

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 1606                  | 1798  | 1831  | 1391  | 1188  | 1403  | 1810  | 1763  | 0- 10    | 169.6       | 169.6        | 14.3,14.3  |
| 20       | 738.5                 | 1113  | 1491  | 732.4 | 507.3 | 752.1 | 1467  | 1071  | 10- 20   | 350.8       | 520.4        | 44,44      |
| 30       | 337.3                 | 538.4 | 899.8 | 332.6 | 234.5 | 339.0 | 863.0 | 510.2 | 20- 30   | 319.7       | 840.1        | 71.1,71.1  |
| 40       | 160.0                 | 207.0 | 295.9 | 120.8 | 91.44 | 116.1 | 269.0 | 189.8 | 30- 40   | 192.8       | 1033         | 87.4,87.4  |
| 50       | 44.58                 | 52.90 | 44.69 | 25.26 | 18.13 | 22.59 | 37.90 | 45.02 | 40- 50   | 69.52       | 1102         | 93.2,93.2  |
| 60       | 9.537                 | 10.84 | 12.60 | 7.851 | 6.819 | 7.334 | 12.05 | 9.444 | 50- 60   | 16.29       | 1119         | 94.6,94.6  |
| 70       | 5.273                 | 6.033 | 8.089 | 5.123 | 4.257 | 4.740 | 8.171 | 5.391 | 60- 70   | 7.069       | 1126         | 95.2,95.2  |
| 80       | 3.936                 | 4.496 | 8.673 | 4.005 | 3.362 | 3.836 | 7.941 | 4.007 | 70- 80   | 6.480       | 1132         | 95.8,95.8  |
| 90       | 3.298                 | 3.619 | 3.376 | 3.418 | 3.109 | 3.440 | 3.457 | 3.444 | 80- 90   | 4.279       | 1136         | 96.1,96.1  |
| 100      | 3.288                 | 3.624 | 3.939 | 3.872 | 3.464 | 3.960 | 4.088 | 3.580 | 90-100   | 3.815       | 1140         | 96.5,96.5  |
| 110      | 3.905                 | 4.587 | 5.226 | 5.158 | 4.417 | 5.180 | 5.253 | 4.505 | 100-110  | 4.452       | 1145         | 96.8,96.8  |
| 120      | 5.520                 | 6.332 | 7.006 | 7.274 | 6.489 | 6.937 | 6.754 | 6.106 | 110-120  | 5.588       | 1150         | 97.3,97.3  |
| 130      | 8.407                 | 8.712 | 9.015 | 9.820 | 9.037 | 8.828 | 8.331 | 8.047 | 120-130  | 6.873       | 1157         | 97.9,97.9  |
| 140      | 11.52                 | 11.06 | 10.81 | 12.07 | 10.63 | 10.38 | 9.684 | 9.774 | 130-140  | 7.593       | 1165         | 98.5,98.5  |
| 150      | 13.44                 | 12.57 | 11.96 | 13.34 | 11.30 | 11.36 | 10.47 | 10.78 | 140-150  | 7.166       | 1172         | 99.1,99.1  |
| 160      | 13.72                 | 12.89 | 12.51 | 13.48 | 11.55 | 11.81 | 10.95 | 11.04 | 150-160  | 5.625       | 1178         | 99.6,99.6  |
| 170      | 12.78                 | 12.44 | 12.77 | 12.83 | 11.43 | 12.04 | 11.79 | 11.13 | 160-170  | 3.464       | 1181         | 99.9,99.9  |
| 180      | 11.72                 | 12.43 | 12.78 | 12.09 | 11.71 | 12.43 | 12.75 | 12.07 | 170-180  | 1.157       | 1182         | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 1079.2 lm

%lum = 91.3%

%lamp = 91.3%

Conical surface Flux(130deg): 1122.5 lm

%lum = 95.0%

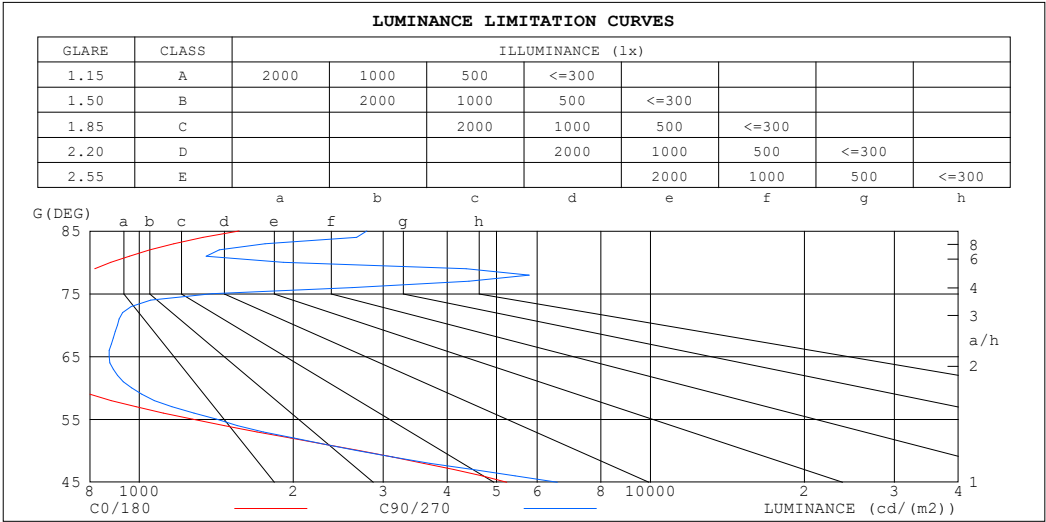
%lamp = 95.0%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:  
 Test Date:2025-05-06

$\gamma$  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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-A-1000                                   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLYMPIA lighting   | SUR.:           | Shielding Angle: |



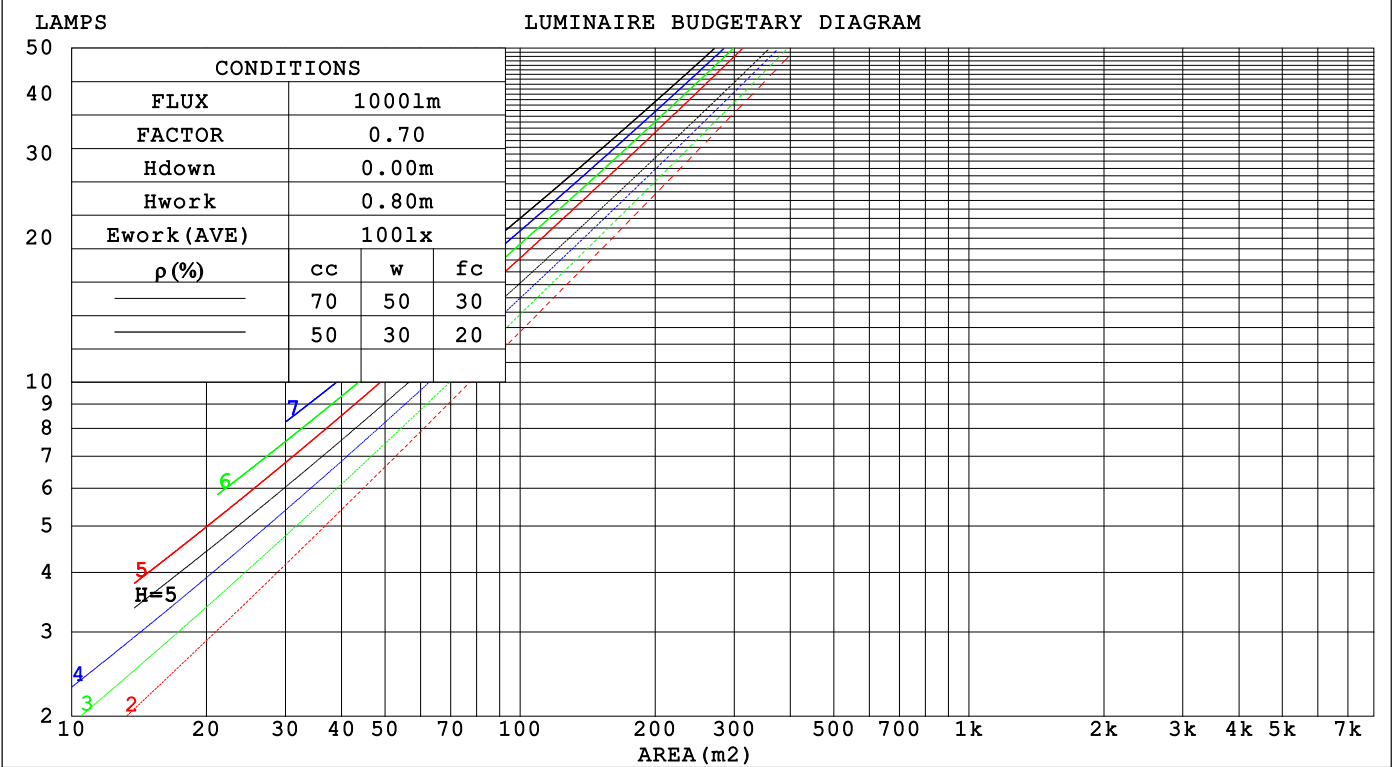
| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1567   | 2787    |
| 80                | 880    | 1913    |
| 75                | 662    | 1388    |
| 70                | 598    | 906     |
| 65                | 615    | 873     |
| 60                | 740    | 965     |
| 55                | 1272   | 1417    |
| 50                | 2692   | 2663    |
| 45                | 5235   | 6577    |

|                      |   |
|----------------------|---|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                               |
| C Interval: 30.0DEG  | γ Interval: 1.0DEG                                |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.488 |
| Temperature:25.3℃    | Humidity:65.0%                                    |
| Operators:           | Test Distance:6.360m [K=1.0000]                   |
| Test Date:2025-05-06 | Remarks:  |

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |                 |                  |
|--|-----------------|------------------|
| Test:U:24.00V I:0.9838A P:23.61W PF:1.000 Freq:0Hz |                 |                  |
| Lamp Flux:1182.23x1 lm                             |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-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 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-05-06

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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-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 |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .182                  | .103 | .033 | .174 | .099 | .032 | .159                            | .091 | .029 | .146 | .084 | .027 | .133 | .077 | .025 |   |
| 2.0  | .172                  | .094 | .029 | .165 | .091 | .028 | .152                            | .085 | .026 | .141 | .079 | .025 | .130 | .073 | .023 |   |
| 3.0  | .162                  | .086 | .026 | .156 | .084 | .025 | .145                            | .079 | .024 | .135 | .074 | .023 | .126 | .070 | .022 |   |
| 4.0  | .153                  | .080 | .023 | .148 | .078 | .023 | .139                            | .074 | .022 | .130 | .070 | .021 | .122 | .066 | .020 |   |
| 5.0  | .145                  | .074 | .021 | .141 | .072 | .021 | .132                            | .069 | .020 | .125 | .066 | .020 | .117 | .063 | .019 |   |
| 6.0  | .138                  | .069 | .020 | .134 | .068 | .020 | .127                            | .065 | .019 | .120 | .062 | .018 | .113 | .060 | .018 |   |
| 7.0  | .132                  | .065 | .018 | .128 | .064 | .018 | .121                            | .061 | .018 | .115 | .059 | .017 | .109 | .057 | .017 |   |
| 8.0  | .126                  | .061 | .017 | .122 | .060 | .017 | .116                            | .058 | .017 | .111 | .056 | .016 | .105 | .054 | .016 |   |
| 9.0  | .120                  | .058 | .016 | .117 | .057 | .016 | .112                            | .055 | .016 | .106 | .053 | .015 | .102 | .052 | .015 |   |
| 10.0 | .115                  | .055 | .015 | .112 | .054 | .015 | .107                            | .053 | .015 | .103 | .051 | .014 | .098 | .049 | .014 |   |

| 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  | .201                  | .187 | .174 | .172 | .160 | .150 | .118  | .110 | .104 | .068 | .064 | .060 | .022 | .021 | .019 |   |
| 2.0  | .186                  | .162 | .142 | .159 | .140 | .123 | .109  | .097 | .086 | .063 | .056 | .050 | .020 | .018 | .016 |   |
| 3.0  | .174                  | .144 | .120 | .149 | .124 | .104 | .102  | .086 | .073 | .059 | .050 | .043 | .019 | .016 | .014 |   |
| 4.0  | .163                  | .129 | .103 | .140 | .112 | .089 | .096  | .078 | .063 | .056 | .046 | .037 | .018 | .015 | .012 |   |
| 5.0  | .155                  | .118 | .090 | .133 | .102 | .078 | .091  | .071 | .055 | .053 | .042 | .033 | .017 | .014 | .011 |   |
| 6.0  | .147                  | .108 | .080 | .126 | .094 | .070 | .087  | .066 | .050 | .051 | .039 | .029 | .016 | .013 | .010 |   |
| 7.0  | .141                  | .101 | .073 | .121 | .087 | .063 | .084  | .061 | .045 | .049 | .036 | .027 | .016 | .012 | .009 |   |
| 8.0  | .135                  | .095 | .067 | .116 | .082 | .058 | .080  | .058 | .041 | .047 | .034 | .025 | .015 | .011 | .008 |   |
| 9.0  | .130                  | .089 | .062 | .112 | .078 | .054 | .077  | .054 | .039 | .045 | .032 | .023 | .015 | .011 | .008 |   |
| 10.0 | .125                  | .085 | .058 | .108 | .074 | .051 | .075  | .052 | .036 | .044 | .031 | .022 | .014 | .010 | .007 |   |

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-05-06

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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                  |      |      |      |                 |                |      |                  |      |      |
| NAME: LW06-24V-3535-18-2700-80-3060-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  | 10.3             | 11.2 | 10.6 | 11.5 | 11.7            | 13.5           | 14.4 | 13.8             | 14.7 | 14.9 |
| 3H   | 10.2             | 11.0 | 10.5 | 11.3 | 11.6            | 13.4           | 14.2 | 13.7             | 14.5 | 14.8 |
| 4H   | 10.2             | 11.0 | 10.5 | 11.3 | 11.5            | 13.4           | 14.2 | 13.7             | 14.5 | 14.8 |
| 6H   | 10.2             | 10.9 | 10.5 | 11.2 | 11.5            | 14.1           | 14.9 | 14.5             | 15.2 | 15.5 |
| 8H   | 10.2             | 10.9 | 10.6 | 11.2 | 11.6            | 14.1           | 14.8 | 14.5             | 15.2 | 15.5 |
| 12H  | 10.3             | 10.9 | 10.7 | 11.3 | 11.6            | 14.2           | 14.9 | 14.6             | 15.2 | 15.6 |
| 4H 2H  | 10.1             | 10.9 | 10.4 | 11.2 | 11.5            | 13.3           | 14.1 | 13.6             | 14.4 | 14.6 |
| 3H   | 10.0             | 10.7 | 10.4 | 11.0 | 11.4            | 13.2           | 13.9 | 13.6             | 14.2 | 14.5 |
| 4H   | 10.0             | 10.6 | 10.4 | 11.0 | 11.4            | 13.2           | 13.8 | 13.6             | 14.2 | 14.6 |
| 6H   | 10.1             | 10.6 | 10.5 | 11.0 | 11.5            | 14.1           | 14.7 | 14.6             | 15.1 | 15.5 |
| 8H   | 10.2             | 10.7 | 10.6 | 11.1 | 11.5            | 14.1           | 14.6 | 14.6             | 15.0 | 15.5 |
| 12H  | 10.3             | 10.8 | 10.8 | 11.2 | 11.7            | 14.3           | 14.7 | 14.8             | 15.2 | 15.6 |
| 8H 4H  | 10.0             | 10.5 | 10.4 | 10.9 | 11.3            | 13.1           | 13.6 | 13.5             | 14.0 | 14.4 |
| 6H   | 10.1             | 10.5 | 10.6 | 11.0 | 11.5            | 14.0           | 14.4 | 14.5             | 14.9 | 15.4 |
| 8H   | 10.2             | 10.6 | 10.8 | 11.1 | 11.6            | 14.1           | 14.4 | 14.6             | 14.9 | 15.4 |
| 12H  | 10.5             | 10.8 | 11.0 | 11.3 | 11.9            | 14.3           | 14.6 | 14.9             | 15.1 | 15.7 |
| 12H 4H   | 9.9              | 10.4 | 10.4 | 10.8 | 11.3            | 13.0           | 13.5 | 13.5             | 13.9 | 14.4 |
| 6H   | 10.1             | 10.5 | 10.6 | 11.0 | 11.5            | 14.0           | 14.3 | 14.5             | 14.8 | 15.4 |
| 8H   | 10.3             | 10.6 | 10.8 | 11.1 | 11.7            | 14.1           | 14.4 | 14.6             | 14.9 | 15.4 |
| Variations with the observer position at spacings(CIE Pub.117):              |                  |      |      |      |                 |                |      |                  |      |      |
| S = 1.0H   | + 2.0 / - 4.2    |      |      |      |                 | + 2.9 / - 3.2  |      |                  |      |      |
| 1.5H   | + 2.8 / - 4.0    |      |      |      |                 | + 5.1 / - 3.7  |      |                  |      |      |
| 2.0H   | + 4.3 / - 2.8    |      |      |      |                 | + 4.8 / - 2.6  |      |                  |      |      |

CIE Pub.117, 1182 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 0.6$ )  
Area: 0.026 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-05-06

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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-A-1000                                   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |

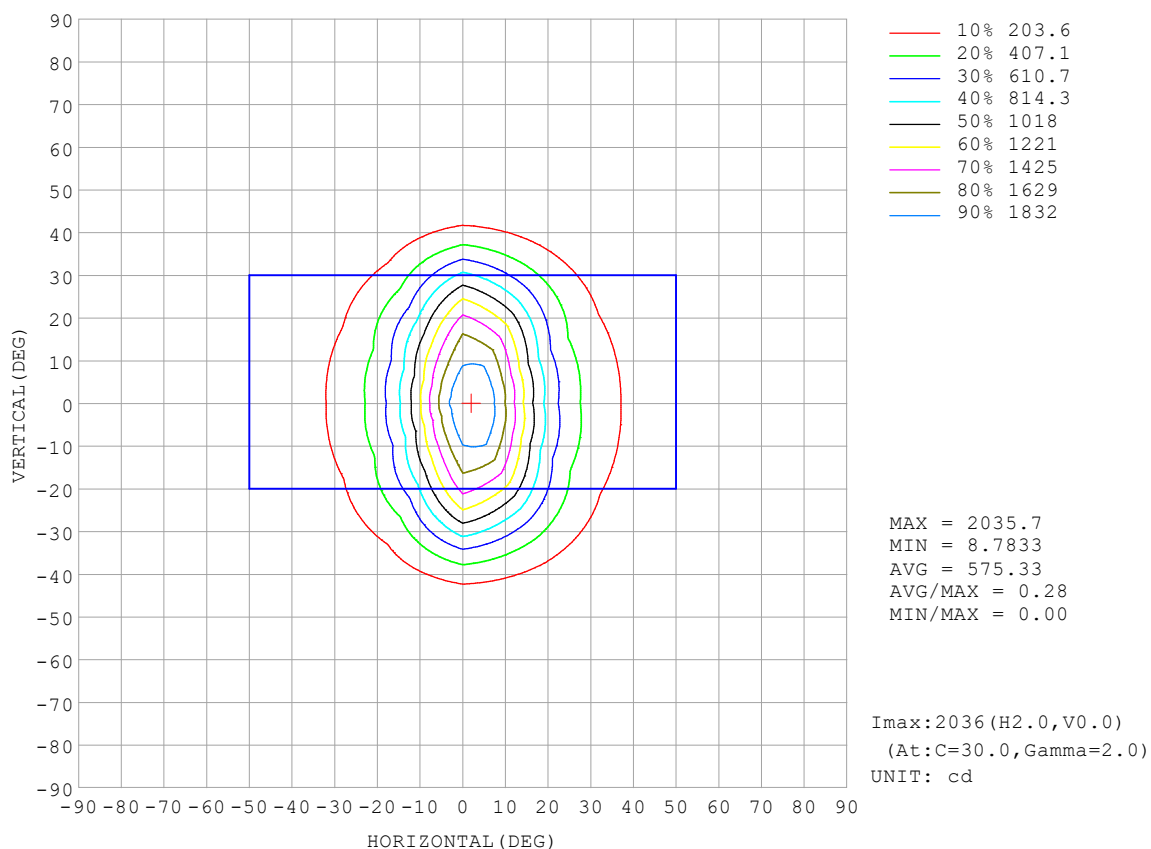
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 84   | 77  | 73        | 83  | 77  | 73  | 82  | 76            | 72  | 69     |
| 0.80                             | 91   | 85  | 81        | 90  | 85  | 81  | 89  | 84            | 80  | 76     |
| 1.00                             | 96   | 90  | 86        | 95  | 89  | 86  | 93  | 89            | 85  | 80     |
| 1.25                             | 100  | 95  | 91        | 99  | 94  | 90  | 97  | 92            | 89  | 84     |
| 1.50                             | 103  | 98  | 94        | 102 | 97  | 94  | 99  | 95            | 92  | 87     |
| 2.00                             | 106  | 102 | 98        | 105 | 100 | 97  | 101 | 98            | 95  | 89     |
| 2.50                             | 108  | 104 | 101       | 106 | 102 | 100 | 102 | 100           | 97  | 90     |
| 3.00                             | 110  | 106 | 103       | 108 | 104 | 102 | 104 | 101           | 99  | 91     |
| 4.00                             | 112  | 109 | 106       | 110 | 107 | 105 | 105 | 103           | 102 | 93     |
| 5.00                             | 113  | 111 | 109       | 111 | 109 | 107 | 106 | 105           | 103 | 94     |
| 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: 2025-05-06

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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-A-1000                                   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |



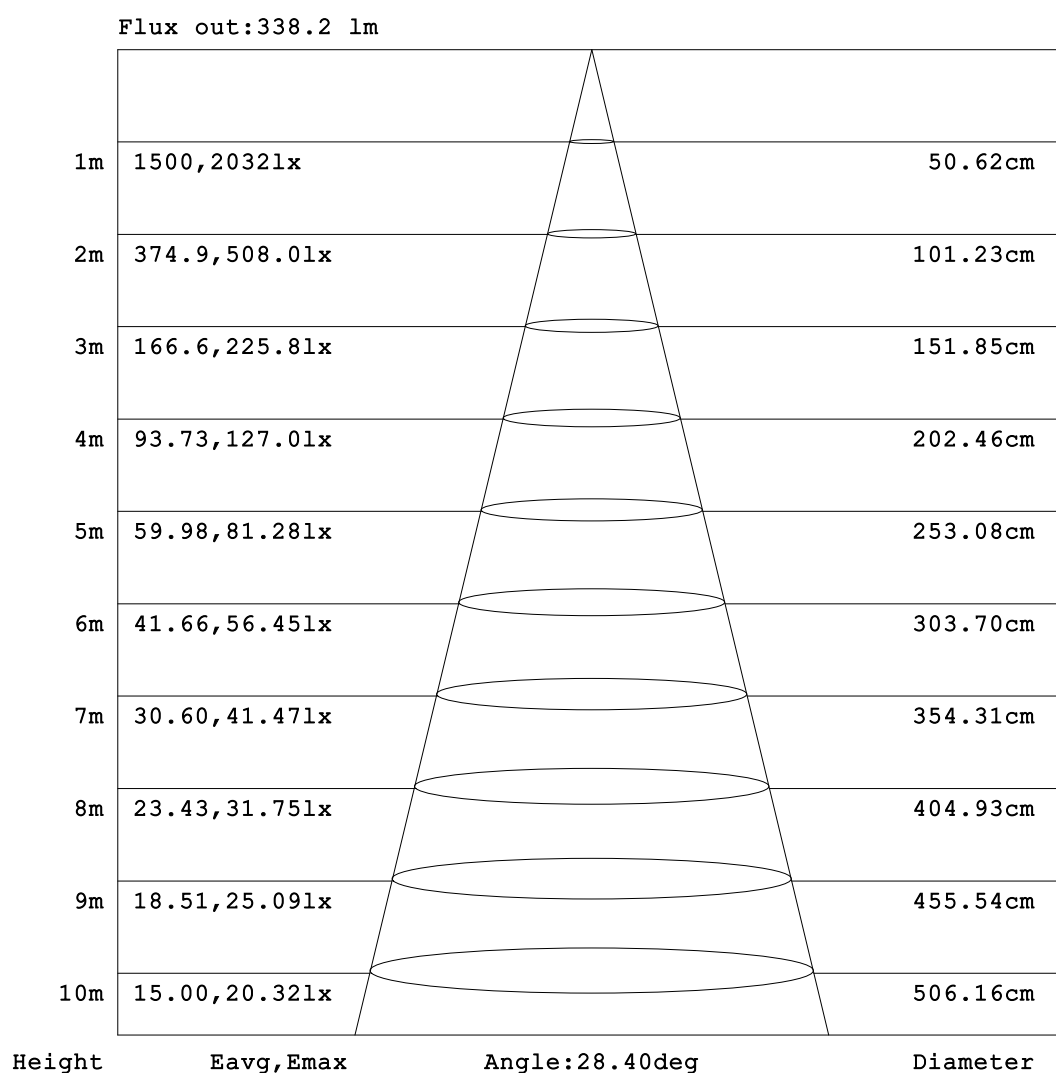
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-05-06

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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-A-1000                                   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |



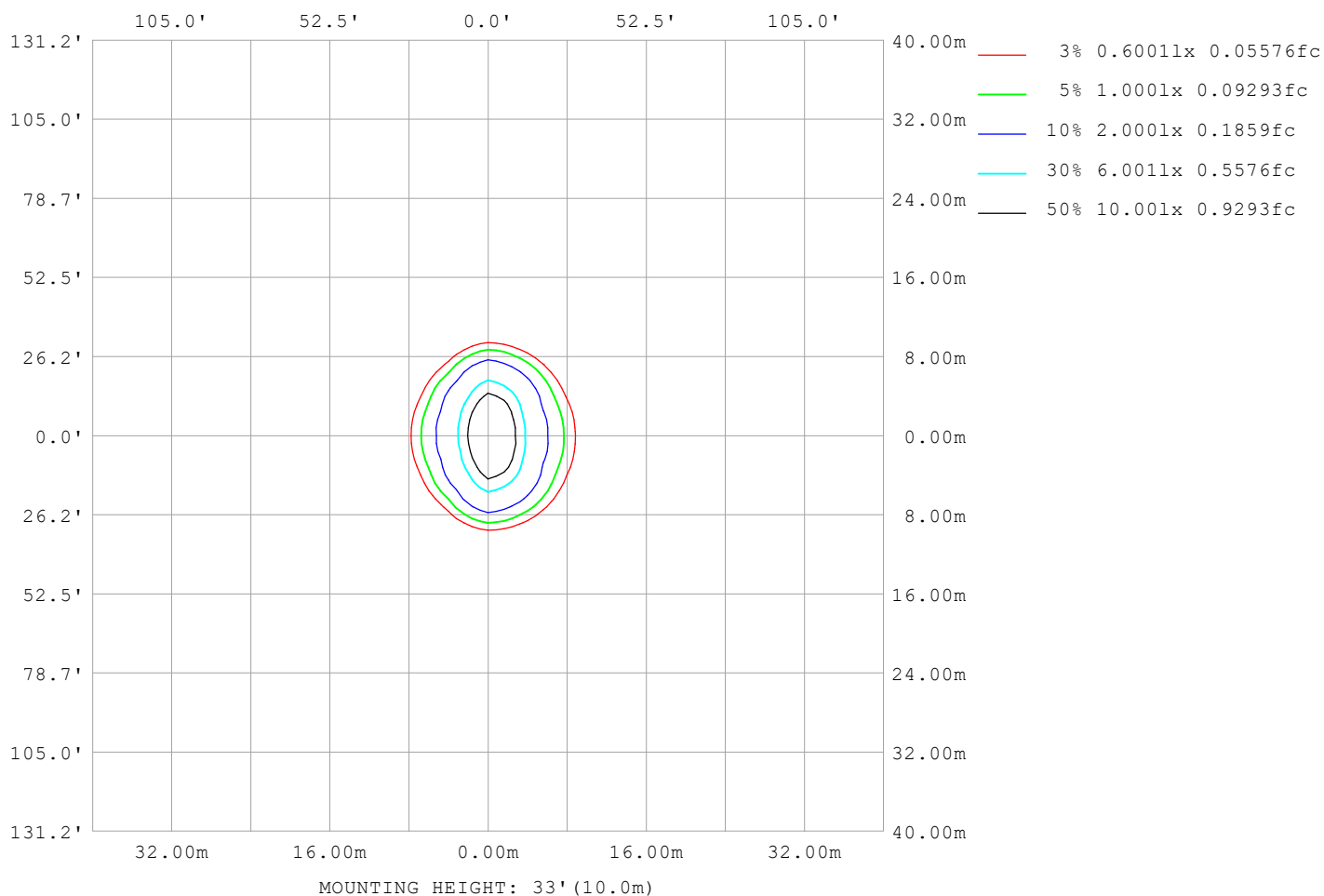
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2025-05-06

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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-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°C  
Operators:  
Test Date: 2025-05-06

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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-A-1000                                   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLympia lighting   | SUR.:           | Shielding Angle: |

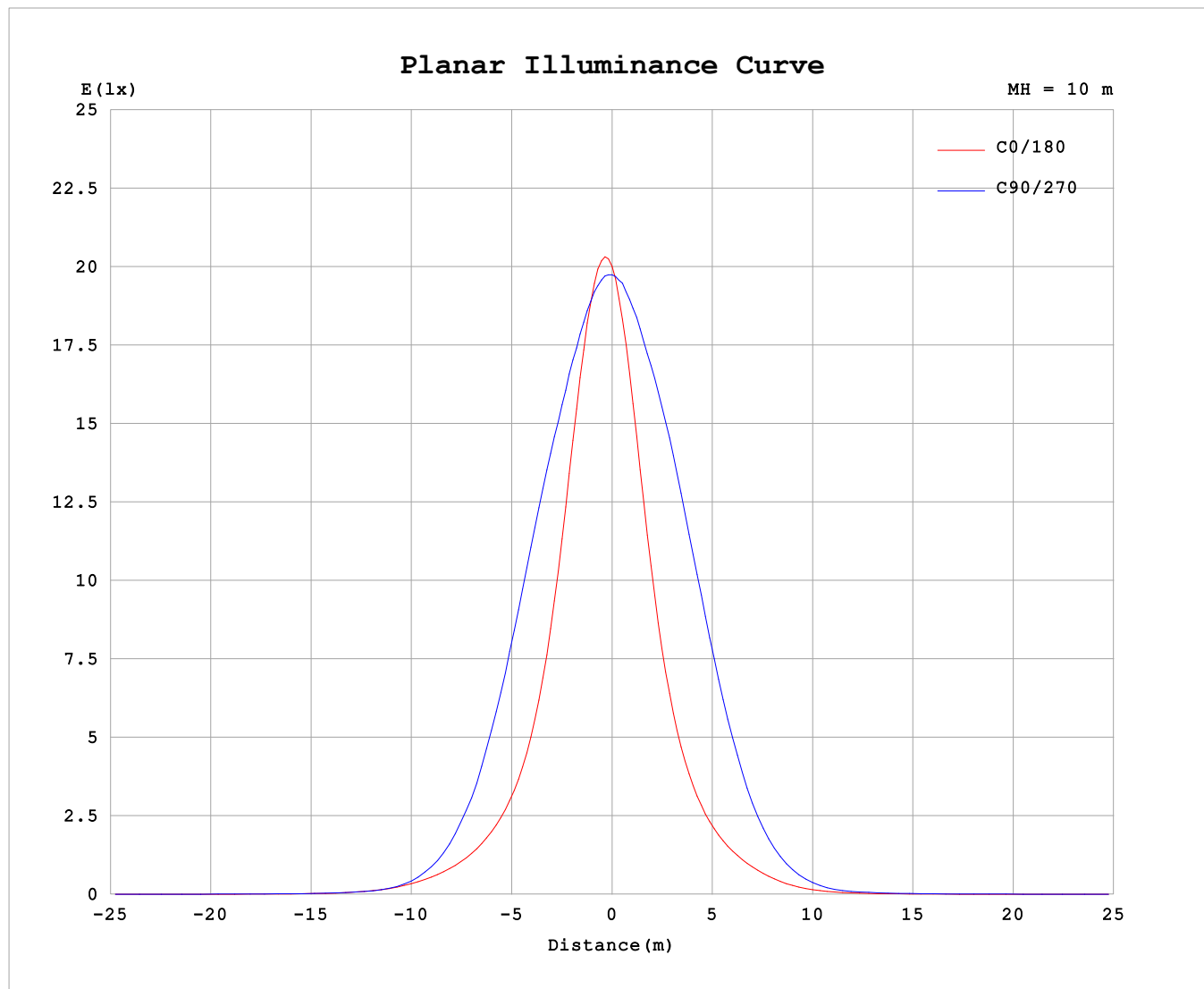
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 544   |
| L_0~180 (75) av  | 605   |
| L_0~180 (85) av  | 1470  |
| L_90~270 (65) av | 872   |
| L_90~270 (75) av | 1359  |
| L_90~270 (85) av | 2609  |
| L_45 (65) av     | 585   |
| L_45 (75) av     | 636   |
| L_45 (85) av     | 1589  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-05-06

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: 2025-05-06

$\gamma$  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:0.9838A P:23.61W PF:1.000 Freq:0Hz<br>Lamp Flux:1182.23x1 lm |                 |                  |
| NAME: LW06-24V-3535-18-2700-80-3060-A-1000                                   | TYPE:           | WEIGHT:          |
| SPEC.:   | DIM.: Length=1m | SERIAL No.:      |
| MFR.: OLYMPIA lighting   | SUR.:           | Shielding Angle: |

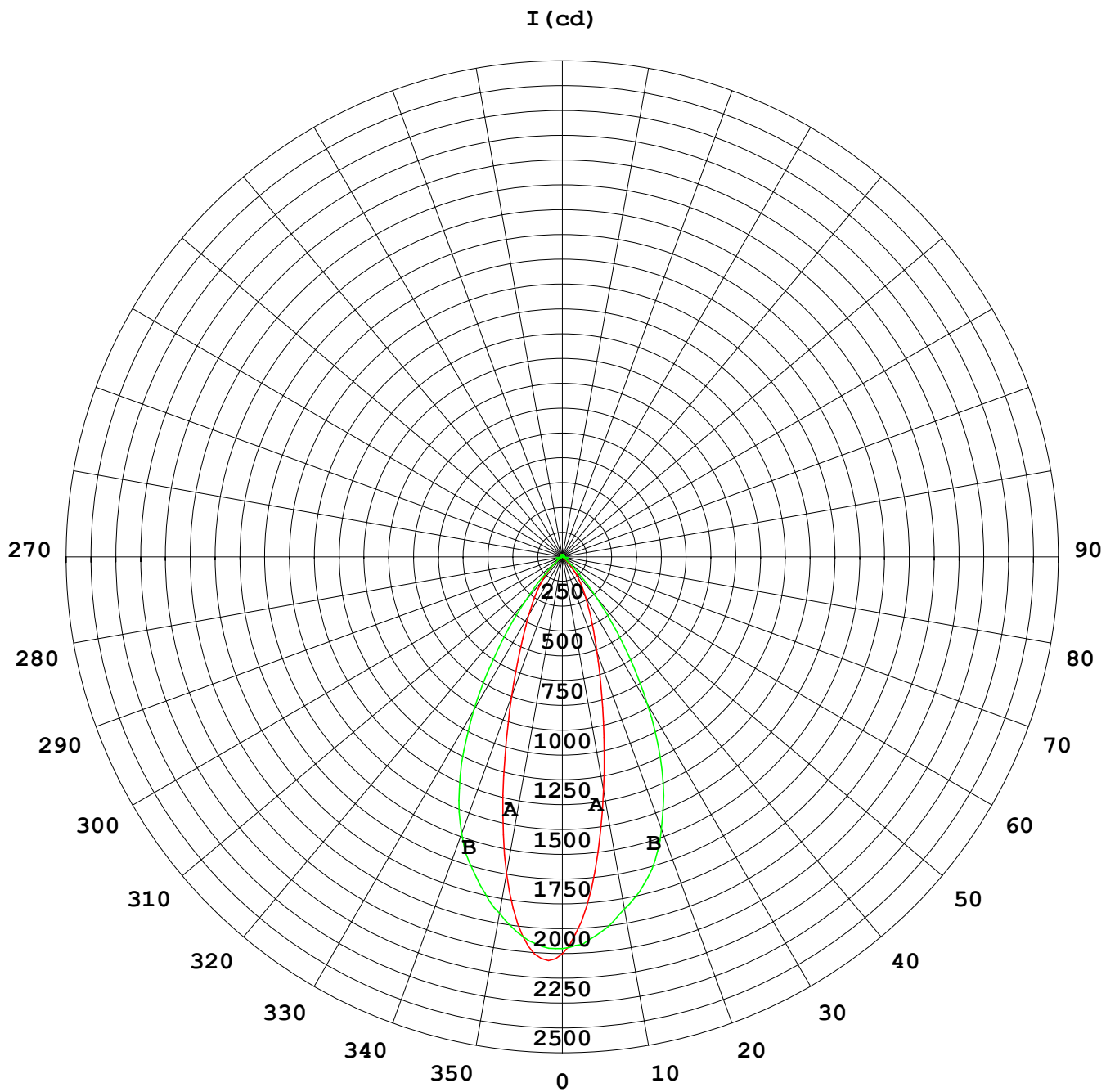
Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0                  | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 | 1982 |  |  |  |  |  |  |
| 5                  | 1951 | 1990 | 2005 | 1951 | 1813 | 1692 | 1665 | 1703 | 1812 | 1925 | 1980 | 1978 |  |  |  |  |  |  |
| 10                 | 1606 | 1722 | 1875 | 1831 | 1524 | 1257 | 1188 | 1269 | 1538 | 1810 | 1839 | 1688 |  |  |  |  |  |  |
| 15                 | 1133 | 1298 | 1640 | 1679 | 1207 | 849  | 779  | 871  | 1233 | 1677 | 1596 | 1261 |  |  |  |  |  |  |
| 20                 | 738  | 887  | 1340 | 1491 | 905  | 560  | 507  | 578  | 927  | 1467 | 1287 | 855  |  |  |  |  |  |  |
| 25                 | 488  | 584  | 1001 | 1224 | 628  | 375  | 341  | 384  | 644  | 1196 | 954  | 560  |  |  |  |  |  |  |
| 30                 | 337  | 387  | 690  | 900  | 413  | 252  | 234  | 258  | 420  | 863  | 650  | 371  |  |  |  |  |  |  |
| 35                 | 236  | 260  | 435  | 563  | 255  | 166  | 158  | 167  | 253  | 533  | 399  | 250  |  |  |  |  |  |  |
| 40                 | 160  | 171  | 243  | 296  | 142  | 99.9 | 91.4 | 97.6 | 135  | 269  | 218  | 161  |  |  |  |  |  |  |
| 45                 | 95.4 | 103  | 119  | 121  | 69.2 | 50.1 | 41.7 | 47.9 | 62.8 | 107  | 104  | 95.1 |  |  |  |  |  |  |
| 50                 | 44.6 | 53.2 | 52.6 | 44.7 | 29.2 | 21.3 | 18.1 | 19.8 | 25.4 | 37.9 | 43.2 | 46.8 |  |  |  |  |  |  |
| 55                 | 18.8 | 22.0 | 22.2 | 21.2 | 13.2 | 10.5 | 9.71 | 9.73 | 11.8 | 18.3 | 17.7 | 19.0 |  |  |  |  |  |  |
| 60                 | 9.54 | 10.0 | 11.6 | 12.6 | 8.44 | 7.26 | 6.82 | 6.75 | 7.92 | 12.1 | 9.77 | 9.12 |  |  |  |  |  |  |
| 65                 | 6.69 | 6.78 | 8.35 | 9.63 | 6.68 | 5.73 | 5.26 | 5.27 | 6.22 | 9.53 | 7.23 | 6.37 |  |  |  |  |  |  |
| 70                 | 5.27 | 5.30 | 6.77 | 8.09 | 5.48 | 4.77 | 4.26 | 4.32 | 5.16 | 8.17 | 5.79 | 4.99 |  |  |  |  |  |  |
| 75                 | 4.41 | 4.43 | 5.70 | 9.38 | 4.73 | 4.17 | 3.72 | 3.79 | 4.52 | 8.91 | 4.84 | 4.15 |  |  |  |  |  |  |
| 80                 | 3.94 | 3.90 | 5.09 | 8.67 | 4.20 | 3.81 | 3.36 | 3.53 | 4.14 | 7.94 | 4.32 | 3.69 |  |  |  |  |  |  |
| 85                 | 3.52 | 3.59 | 4.47 | 6.34 | 3.73 | 3.50 | 3.14 | 3.35 | 3.78 | 5.48 | 3.85 | 3.44 |  |  |  |  |  |  |
| 90                 | 3.30 | 3.37 | 3.87 | 3.38 | 3.47 | 3.37 | 3.11 | 3.28 | 3.60 | 3.46 | 3.62 | 3.26 |  |  |  |  |  |  |
| 95                 | 3.21 | 3.31 | 3.48 | 3.55 | 3.63 | 3.46 | 3.23 | 3.42 | 3.76 | 3.69 | 3.53 | 3.20 |  |  |  |  |  |  |
| 100                | 3.29 | 3.46 | 3.79 | 3.94 | 4.01 | 3.74 | 3.46 | 3.74 | 4.18 | 4.09 | 3.82 | 3.34 |  |  |  |  |  |  |
| 105                | 3.52 | 3.77 | 4.26 | 4.51 | 4.59 | 4.22 | 3.82 | 4.24 | 4.74 | 4.62 | 4.27 | 3.63 |  |  |  |  |  |  |
| 110                | 3.91 | 4.27 | 4.90 | 5.23 | 5.37 | 4.95 | 4.42 | 4.95 | 5.41 | 5.25 | 4.89 | 4.12 |  |  |  |  |  |  |
| 115                | 4.55 | 5.01 | 5.72 | 6.08 | 6.32 | 5.94 | 5.32 | 5.85 | 6.18 | 5.97 | 5.62 | 4.85 |  |  |  |  |  |  |
| 120                | 5.52 | 5.98 | 6.69 | 7.01 | 7.39 | 7.16 | 6.49 | 6.87 | 7.00 | 6.75 | 6.44 | 5.77 |  |  |  |  |  |  |
| 125                | 6.83 | 7.19 | 7.76 | 8.01 | 8.52 | 8.55 | 7.81 | 7.94 | 7.86 | 7.55 | 7.30 | 6.83 |  |  |  |  |  |  |
| 130                | 8.41 | 8.56 | 8.86 | 9.01 | 9.65 | 9.99 | 9.04 | 8.95 | 8.70 | 8.33 | 8.17 | 7.93 |  |  |  |  |  |  |
| 135                | 10.0 | 9.95 | 9.95 | 9.97 | 10.7 | 11.3 | 9.99 | 9.84 | 9.49 | 9.06 | 9.00 | 8.95 |  |  |  |  |  |  |
| 140                | 11.5 | 11.2 | 10.9 | 10.8 | 11.6 | 12.5 | 10.6 | 10.6 | 10.2 | 9.68 | 9.75 | 9.79 |  |  |  |  |  |  |
| 145                | 12.7 | 12.2 | 11.7 | 11.5 | 12.4 | 13.3 | 11.0 | 11.1 | 10.8 | 10.2 | 10.3 | 10.4 |  |  |  |  |  |  |
| 150                | 13.4 | 12.9 | 12.2 | 12.0 | 12.9 | 13.8 | 11.3 | 11.5 | 11.2 | 10.5 | 10.7 | 10.9 |  |  |  |  |  |  |
| 155                | 13.8 | 13.3 | 12.4 | 12.3 | 13.2 | 13.9 | 11.5 | 11.7 | 11.5 | 10.7 | 10.8 | 11.1 |  |  |  |  |  |  |
| 160                | 13.7 | 13.3 | 12.5 | 12.5 | 13.3 | 13.7 | 11.6 | 11.9 | 11.8 | 10.9 | 10.9 | 11.2 |  |  |  |  |  |  |
| 165                | 13.4 | 13.0 | 12.5 | 12.7 | 13.1 | 13.3 | 11.5 | 11.9 | 11.9 | 11.3 | 10.9 | 11.2 |  |  |  |  |  |  |
| 170                | 12.8 | 12.4 | 12.5 | 12.8 | 12.9 | 12.8 | 11.4 | 11.9 | 12.2 | 11.8 | 11.2 | 11.0 |  |  |  |  |  |  |
| 175                | 12.1 | 12.1 | 12.6 | 12.8 | 12.7 | 12.2 | 11.4 | 11.9 | 12.4 | 12.3 | 11.7 | 11.1 |  |  |  |  |  |  |
| 180                | 11.7 | 12.1 | 12.7 | 12.8 | 12.4 | 11.8 | 11.7 | 12.1 | 12.7 | 12.8 | 12.4 | 11.8 |  |  |  |  |  |  |

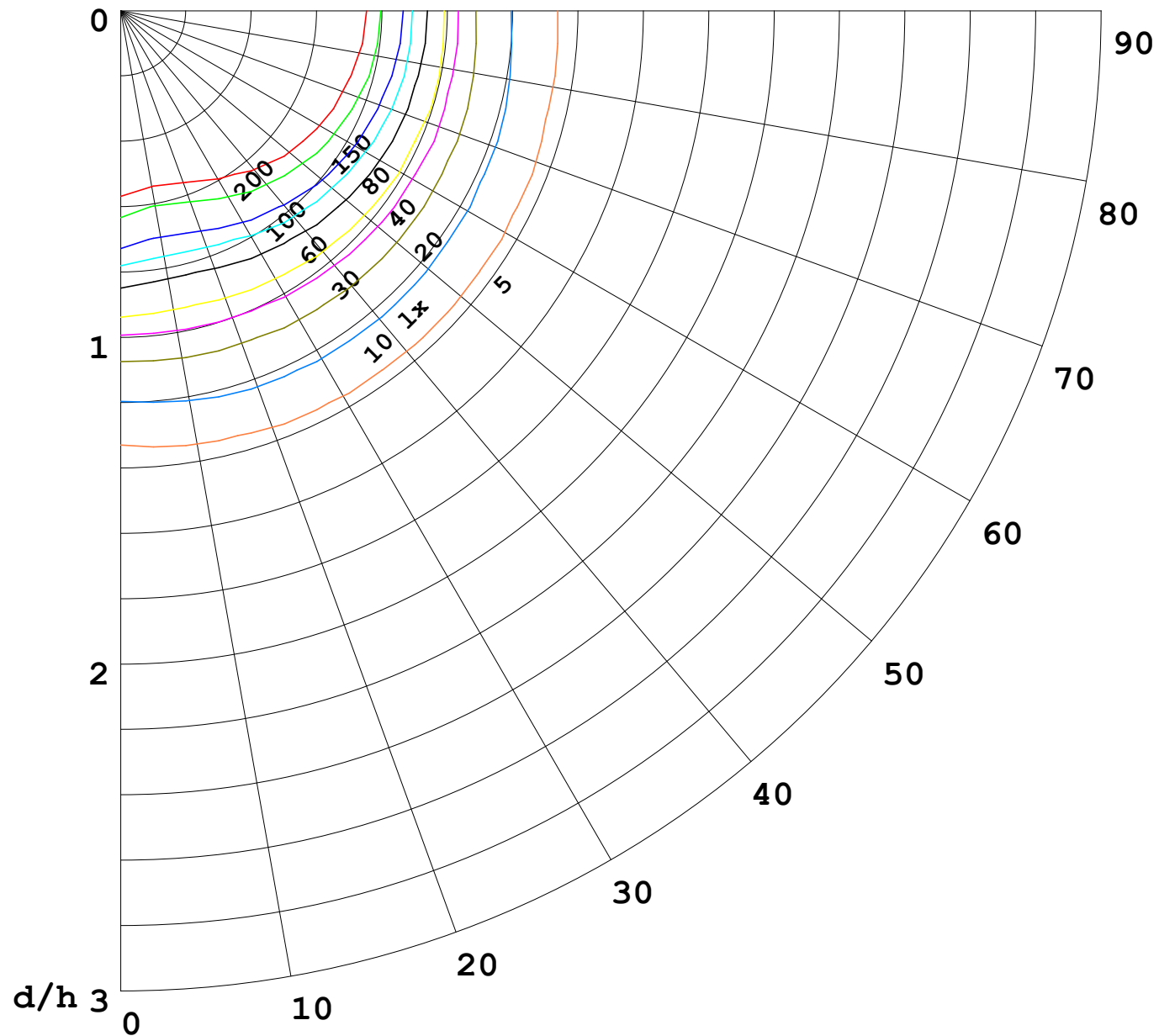
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2025-05-06

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:



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  |

