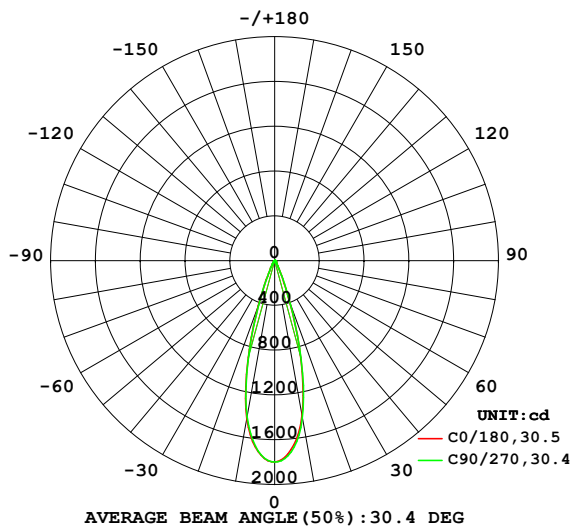


## LUMINAIRE PHOTOMETRIC TEST REPORT

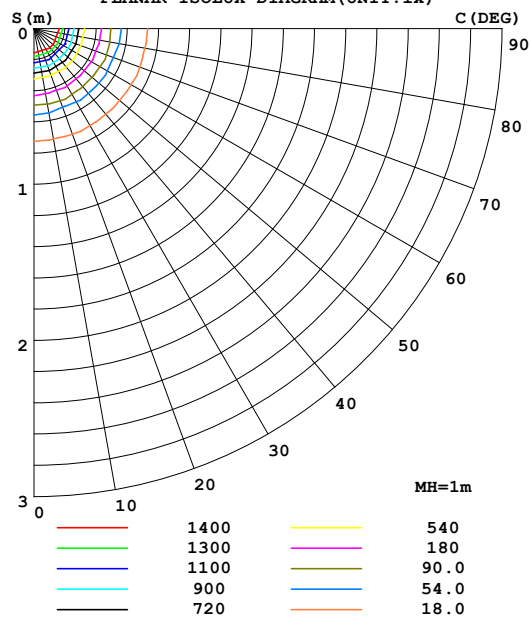
|  |            |                  |
|--|------------|------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz        |            |                  |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943 Lamp Flux:523.033x1 lm |            |                  |
| NAME: MD10-06-XX-04 3000K RA90 36D                           | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.:      | SERIAL No.:      |
| MFR.: Norming Lighting                                       | SUR.: 41mm | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA      |        |                   |          | Eff: 94.06 lm/W |
|------------------|---------|-----------------------|--------|-------------------|----------|-----------------|
| MODEL            |         | I <sub>max</sub> (cd) | 1799   | S/MH(C0/180)      | 0.48     |                 |
| NOMINAL POWER(W) | 6       | LOR(%)                | 100.0  | S/MH(C90/270)     | 0.48     |                 |
| RATED VOLTAGE(V) | 240     | TOTAL FLUX(lm)        | 523.03 | η UP,DN(C0-180)   | 0.0,50.0 |                 |
| NOMINAL FLUX(lm) | 523.033 | CIE CLASS             | DIRECT | η UP,DN(C180-360) | 0.0,50.0 |                 |
| LAMPS INSIDE     | 1       | η up(%)               | 0.0    | CIBSE SHR NOM     | 0.50     |                 |
| TEST VOLTAGE(V)  | 240.26  | η down(%)             | 100.0  | CIBSE SHR MAX     | 0.50     |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [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       | 1407                  | 1418   | 1431   | 1440   | 1434   | 1414   | 1418   | 1398   | 0- 10    | 153.9       | 153.9        | 29.4,29.4  |
| 20       | 408.1                 | 414.2  | 415.7  | 429.1  | 428.3  | 413.5  | 423.1  | 402.5  | 10- 20   | 244.9       | 398.9        | 76.3,76.3  |
| 30       | 63.19                 | 62.18  | 66.10  | 69.93  | 66.69  | 64.52  | 68.28  | 66.41  | 20- 30   | 79.29       | 478.2        | 91.4,91.4  |
| 40       | 21.98                 | 21.98  | 22.06  | 22.87  | 22.59  | 22.60  | 22.83  | 22.26  | 30- 40   | 24.26       | 502.4        | 96.1,96.1  |
| 50       | 8.976                 | 8.833  | 9.152  | 9.589  | 9.572  | 9.413  | 9.528  | 9.307  | 40- 50   | 11.24       | 513.7        | 98.2,98.2  |
| 60       | 3.645                 | 3.601  | 3.780  | 3.920  | 3.888  | 3.863  | 3.916  | 3.809  | 50- 60   | 5.488       | 519.2        | 99.3,99.3  |
| 70       | 1.609                 | 1.616  | 1.799  | 1.874  | 1.793  | 1.767  | 1.825  | 1.725  | 60- 70   | 2.671       | 521.8        | 99.8,99.8  |
| 80       | 0.4033                | 0.3885 | 0.3962 | 0.4694 | 0.4766 | 0.4427 | 0.4022 | 0.4176 | 70- 80   | 1.093       | 522.9        | 100,100    |
| 90       | 0.0170                | 0.0093 | 0.0167 | 0.0119 | 0.0090 | 0.0093 | 0.0129 | 0.0100 | 80- 90   | 0.1155      | 523.0        | 100,100    |
| 100      |                       |        |        |        |        |        |        |        | 90-100   |             |              |            |
| 110      |                       |        |        |        |        |        |        |        | 100-110  |             |              |            |
| 120      |                       |        |        |        |        |        |        |        | 110-120  |             |              |            |
| 130      |                       |        |        |        |        |        |        |        | 120-130  |             |              |            |
| 140      |                       |        |        |        |        |        |        |        | 130-140  |             |              |            |
| 150      |                       |        |        |        |        |        |        |        | 140-150  |             |              |            |
| 160      |                       |        |        |        |        |        |        |        | 150-160  |             |              |            |
| 170      |                       |        |        |        |        |        |        |        | 160-170  |             |              |            |
| 180      |                       |        |        |        |        |        |        |        | 170-180  |             |              |            |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

Conical surface Flux(90deg): 509.02 lm

%lum = 97.3%

%lamp = 97.3%

Conical surface Flux(120deg): 519.15 lm

%lum = 99.3%

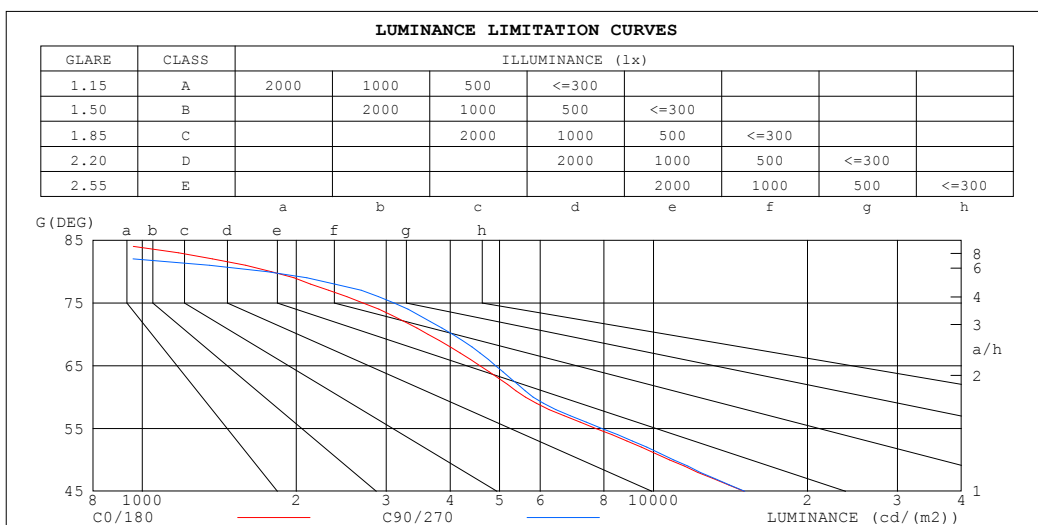
%lamp = 99.3%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|  |            |                  |
|--|------------|------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz        |            |                  |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943 Lamp Flux:523.033x1 lm |            |                  |
| NAME: MD10-06-XX-04 3000K RA90 36D                           | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.:      | SERIAL No.:      |
| MFR.: Norming Lighting                                       | SUR.: 41mm | Shielding Angle: |



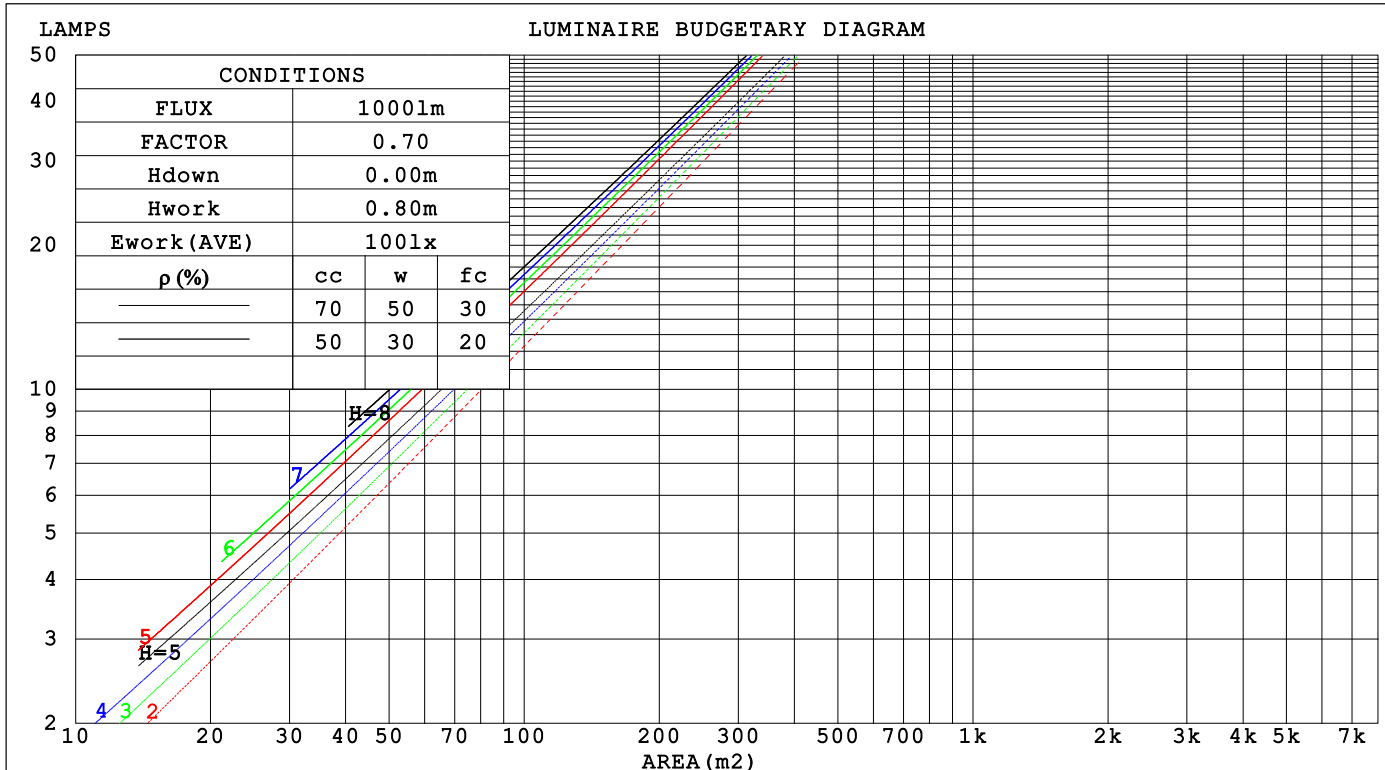
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |            |                        |
|---|------------|------------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz |            |                        |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943                 |            | Lamp Flux:523.033x1 lm |
| NAME: MD10-06-XX-04 3000K RA90 36D                    | TYPE:      | WEIGHT:                |
| SPEC.:  | DIM.:      | SERIAL No.:            |
| MFR.: Norming Lighting                                | SUR.: 41mm | 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: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### WEC AND CCEC

|   |  |  |                                       |  |  |                        |  |  |
|---|--|--|---------------------------------------|--|--|------------------------|--|--|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz |  |  | UTHDi:0.17% ITHDi:24.66% KDisp:0.8943 |  |  | Lamp Flux:523.033x1 lm |  |  |
| NAME: MD10-06-XX-04 3000K RA90 36D                    |  |  | TYPE:                                 |  |  | WEIGHT:                |  |  |
| SPEC.:  |  |  | DIM.:                                 |  |  | SERIAL No.:            |  |  |
| MFR.: Norming Lighting                                |  |  | SUR.: 41mm                            |  |  | 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  | .146                  | .083 | .026 | .139 | .079 | .025 | .127                            | .073 | .023 | .115 | .066 | .021 | .105 | .061 | .020 |   |  |
| 2.0  | .136                  | .074 | .023 | .130 | .072 | .022 | .120                            | .067 | .021 | .111 | .062 | .019 | .102 | .058 | .018 |   |  |
| 3.0  | .127                  | .068 | .020 | .123 | .066 | .020 | .114                            | .062 | .019 | .106 | .058 | .018 | .099 | .055 | .017 |   |  |
| 4.0  | .119                  | .062 | .018 | .116 | .060 | .018 | .108                            | .057 | .017 | .101 | .054 | .016 | .095 | .052 | .016 |   |  |
| 5.0  | .113                  | .057 | .017 | .109 | .056 | .016 | .103                            | .054 | .016 | .097 | .051 | .015 | .092 | .049 | .015 |   |  |
| 6.0  | .107                  | .053 | .015 | .104 | .052 | .015 | .098                            | .050 | .015 | .093 | .048 | .014 | .089 | .047 | .014 |   |  |
| 7.0  | .101                  | .050 | .014 | .099 | .049 | .014 | .094                            | .048 | .014 | .090 | .046 | .013 | .085 | .044 | .013 |   |  |
| 8.0  | .096                  | .047 | .013 | .094 | .046 | .013 | .090                            | .045 | .013 | .086 | .044 | .013 | .083 | .042 | .012 |   |  |
| 9.0  | .092                  | .045 | .012 | .090 | .044 | .012 | .087                            | .043 | .012 | .083 | .042 | .012 | .080 | .041 | .012 |   |  |
| 10.0 | .088                  | .042 | .012 | .087 | .042 | .012 | .083                            | .041 | .011 | .080 | .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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111  | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .169                  | .158 | .147 | .145 | .135 | .127 | .099  | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .016 |   |
| 2.0  | .151                  | .133 | .117 | .130 | .114 | .101 | .089  | .079 | .070 | .051 | .046 | .041 | .016 | .015 | .013 |   |
| 3.0  | .137                  | .113 | .095 | .117 | .098 | .082 | .081  | .068 | .057 | .047 | .040 | .034 | .015 | .013 | .011 |   |
| 4.0  | .125                  | .098 | .078 | .107 | .085 | .067 | .074  | .059 | .048 | .043 | .035 | .028 | .014 | .011 | .009 |   |
| 5.0  | .115                  | .086 | .065 | .098 | .074 | .056 | .068  | .052 | .040 | .039 | .030 | .024 | .013 | .010 | .008 |   |
| 6.0  | .106                  | .076 | .055 | .091 | .066 | .048 | .063  | .046 | .034 | .036 | .027 | .020 | .012 | .009 | .007 |   |
| 7.0  | .099                  | .068 | .047 | .085 | .059 | .041 | .059  | .041 | .029 | .034 | .024 | .017 | .011 | .008 | .006 |   |
| 8.0  | .092                  | .061 | .040 | .079 | .053 | .035 | .055  | .037 | .025 | .032 | .022 | .015 | .010 | .007 | .005 |   |
| 9.0  | .087                  | .056 | .035 | .075 | .048 | .030 | .052  | .034 | .022 | .030 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0 | .082                  | .051 | .031 | .070 | .044 | .027 | .049  | .031 | .019 | .029 | .018 | .011 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

|  |                  |      |      |      |            |                |      |                  |      |      |      |
|--|------------------|------|------|------|------------|----------------|------|------------------|------|------|------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz<br>UTHDi:0.17% ITHDi:24.66% KDisp:0.8943Lamp Flux:523.033x1 lm |                  |      |      |      |            |                |      |                  |      |      |      |
| NAME: MD10-06-XX-04 3000K RA90 36D   |                  |      |      |      | TYPE:      |                |      | WEIGHT:          |      |      |      |
| SPEC.:   |                  |      |      |      | DIM.:      |                |      | SERIAL No.:      |      |      |      |
| MFR.: Norming Lighting   |                  |      |      |      | SUR.: 41mm |                |      | 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  | 2H               | 12.9 | 13.6 | 13.1 | 13.7       | 13.9           | 13.0 | 13.7             | 13.2 | 13.8 | 14.0 |
|  | 3H               | 13.1 | 13.7 | 13.3 | 13.9       | 14.1           | 13.2 | 13.9             | 13.4 | 14.0 | 14.2 |
|  | 4H               | 13.1 | 13.7 | 13.4 | 13.9       | 14.1           | 13.3 | 13.9             | 13.5 | 14.1 | 14.3 |
|  | 6H               | 13.1 | 13.7 | 13.4 | 13.9       | 14.1           | 13.2 | 13.8             | 13.5 | 14.1 | 14.3 |
|  | 8H               | 13.0 | 13.6 | 13.3 | 13.9       | 14.1           | 13.2 | 13.8             | 13.5 | 14.0 | 14.3 |
|  | 12H              | 13.0 | 13.5 | 13.3 | 13.8       | 14.1           | 13.2 | 13.7             | 13.5 | 14.0 | 14.2 |
| 4H   | 2H               | 12.9 | 13.5 | 13.2 | 13.7       | 13.9           | 13.0 | 13.6             | 13.2 | 13.8 | 14.0 |
|  | 3H               | 13.2 | 13.7 | 13.5 | 14.0       | 14.2           | 13.3 | 13.8             | 13.6 | 14.1 | 14.4 |
|  | 4H               | 13.2 | 13.7 | 13.6 | 14.0       | 14.3           | 13.4 | 13.9             | 13.7 | 14.2 | 14.5 |
|  | 6H               | 13.2 | 13.7 | 13.6 | 14.0       | 14.3           | 13.4 | 13.8             | 13.8 | 14.2 | 14.5 |
|  | 8H               | 13.2 | 13.6 | 13.6 | 13.9       | 14.3           | 13.3 | 13.8             | 13.7 | 14.1 | 14.5 |
|  | 12H              | 13.1 | 13.5 | 13.5 | 13.9       | 14.3           | 13.3 | 13.7             | 13.7 | 14.0 | 14.4 |
| 8H   | 4H               | 13.2 | 13.6 | 13.5 | 13.9       | 14.3           | 13.3 | 13.7             | 13.7 | 14.1 | 14.4 |
|  | 6H               | 13.2 | 13.5 | 13.6 | 13.9       | 14.3           | 13.3 | 13.7             | 13.8 | 14.1 | 14.5 |
|  | 8H               | 13.1 | 13.4 | 13.6 | 13.9       | 14.3           | 13.3 | 13.6             | 13.7 | 14.0 | 14.4 |
|  | 12H              | 13.1 | 13.3 | 13.5 | 13.8       | 14.3           | 13.2 | 13.5             | 13.7 | 13.9 | 14.4 |
| 12H  | 4H               | 13.1 | 13.5 | 13.5 | 13.9       | 14.2           | 13.3 | 13.6             | 13.7 | 14.0 | 14.4 |
|  | 6H               | 13.1 | 13.4 | 13.6 | 13.8       | 14.3           | 13.3 | 13.6             | 13.7 | 14.0 | 14.4 |
|  | 8H               | 13.1 | 13.3 | 13.6 | 13.8       | 14.3           | 13.2 | 13.5             | 13.7 | 13.9 | 14.4 |
| Variations with the observer position at spacings(CIE Pub.117):  |                  |      |      |      |            |                |      |                  |      |      |      |
| S = 1.0H   | + 1.6 / - 2.4    |      |      |      |            | + 1.6 / - 2.2  |      |                  |      |      |      |
| 1.5H   | + 2.4 / - 1.8    |      |      |      |            | + 2.4 / - 1.8  |      |                  |      |      |      |
| 2.0H   | + 2.7 / - 2.0    |      |      |      |            | + 2.6 / - 2.0  |      |                  |      |      |      |

CIE Pub.117, 523.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.3)  
Area: 0.0013 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|  |            |                  |
|--|------------|------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz        |            |                  |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943 Lamp Flux:523.033x1 lm |            |                  |
| NAME: MD10-06-XX-04 3000K RA90 36D                           | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.:      | SERIAL No.:      |
| MFR.: Norming Lighting                                       | SUR.: 41mm | Shielding Angle: |

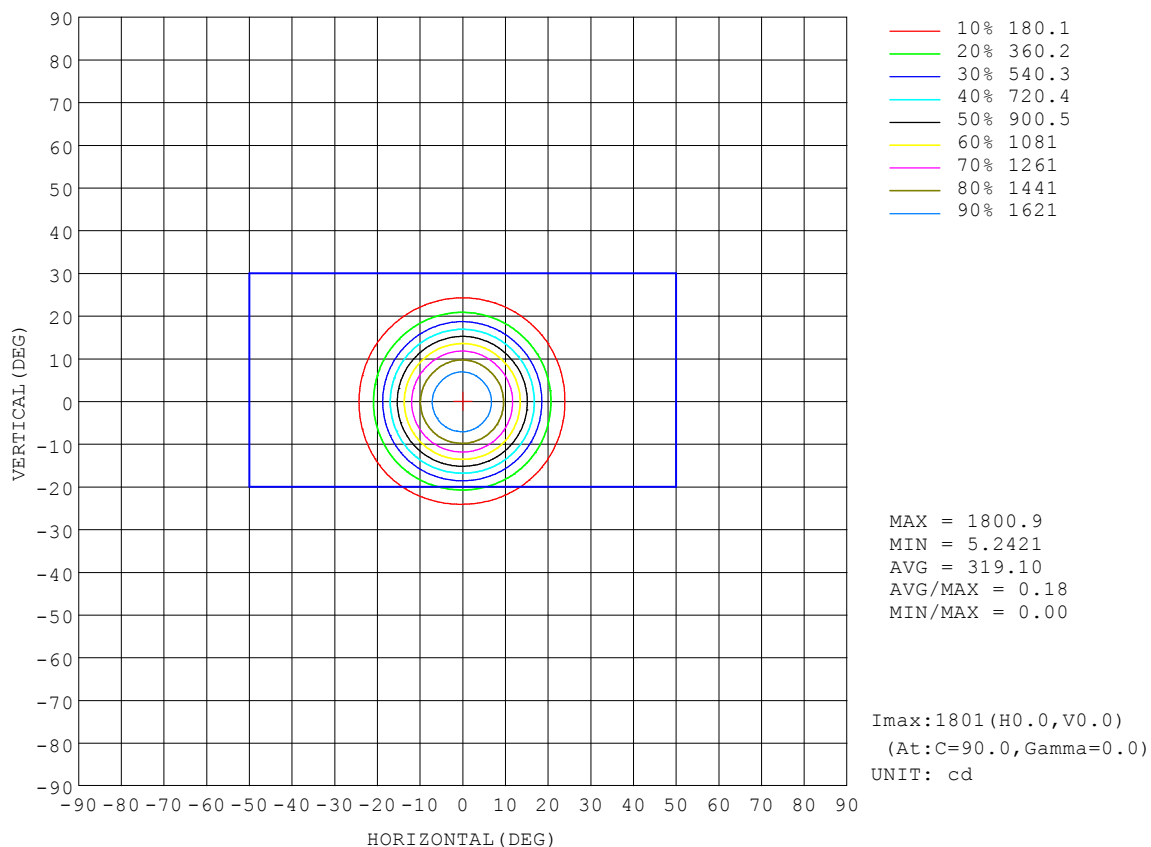
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 89   | 83  | 79        | 89  | 83  | 79  | 88  | 83            | 79  | 76     |
| 0.80                             | 96   | 91  | 87        | 96  | 90  | 87  | 94  | 90            | 87  | 83     |
| 1.00                             | 100  | 95  | 92        | 100 | 95  | 91  | 98  | 94            | 91  | 87     |
| 1.25                             | 104  | 99  | 96        | 103 | 99  | 96  | 101 | 97            | 95  | 91     |
| 1.50                             | 107  | 102 | 99        | 106 | 101 | 99  | 103 | 100           | 97  | 93     |
| 2.00                             | 109  | 105 | 102       | 108 | 104 | 101 | 105 | 102           | 100 | 95     |
| 2.50                             | 111  | 107 | 104       | 109 | 106 | 103 | 106 | 104           | 101 | 96     |
| 3.00                             | 112  | 109 | 106       | 110 | 108 | 105 | 107 | 105           | 103 | 97     |
| 4.00                             | 114  | 112 | 109       | 112 | 110 | 108 | 109 | 107           | 105 | 98     |
| 5.00                             | 115  | 113 | 112       | 113 | 111 | 110 | 109 | 108           | 107 | 99     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

|  |            |                  |
|--|------------|------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz        |            |                  |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943 Lamp Flux:523.033x1 lm |            |                  |
| NAME: MD10-06-XX-04 3000K RA90 36D                           | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.:      | SERIAL No.:      |
| MFR.: Norming Lighting                                       | SUR.: 41mm | Shielding Angle: |



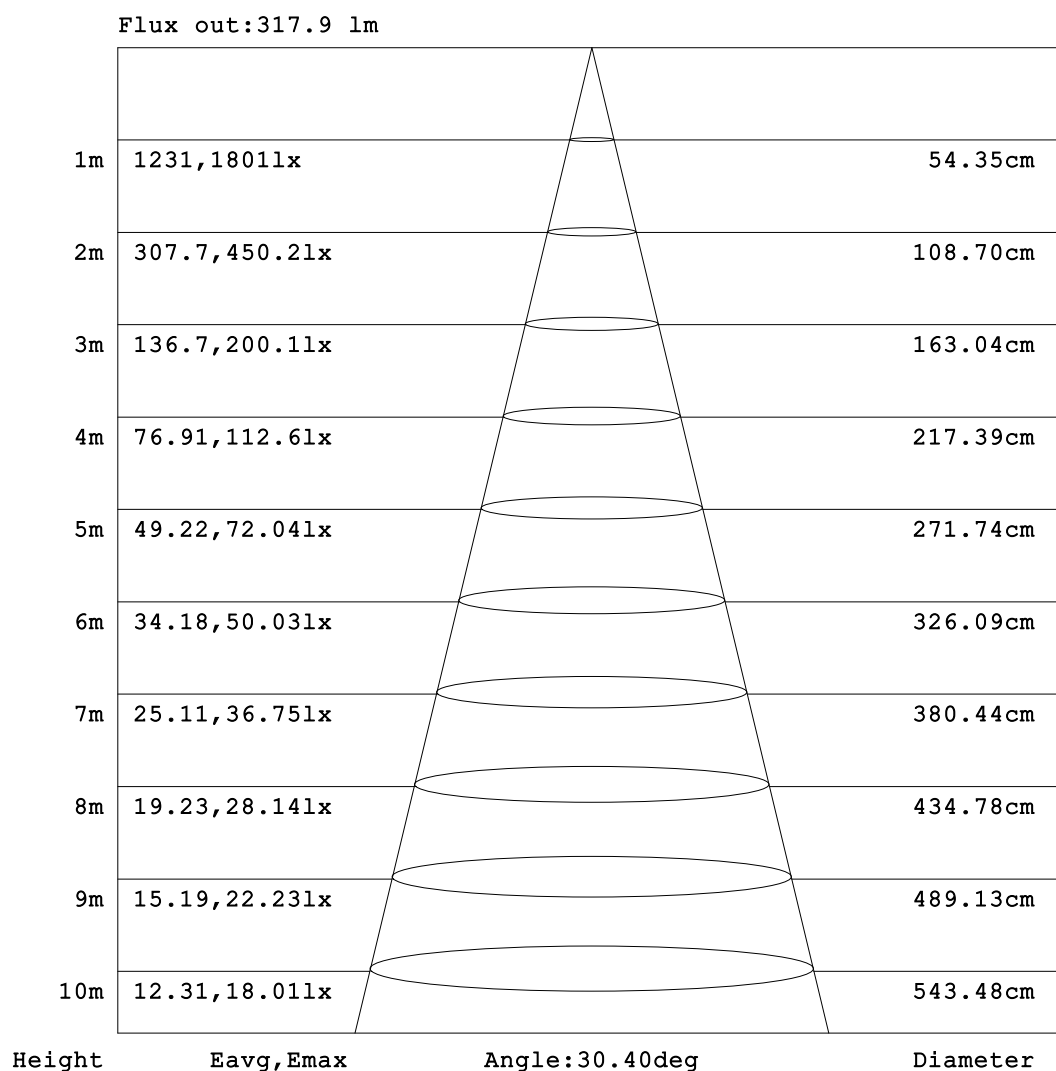
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:



AAI Figure

|   |            |                        |
|---|------------|------------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz |            |                        |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943                 |            | Lamp Flux:523.033x1 lm |
| NAME: MD10-06-XX-04 3000K RA90 36D                    | TYPE:      | WEIGHT:                |
| SPEC.:  | DIM.:      | SERIAL No.:            |
| MFR.: Norming Lighting                                | SUR.: 41mm | Shielding Angle:       |



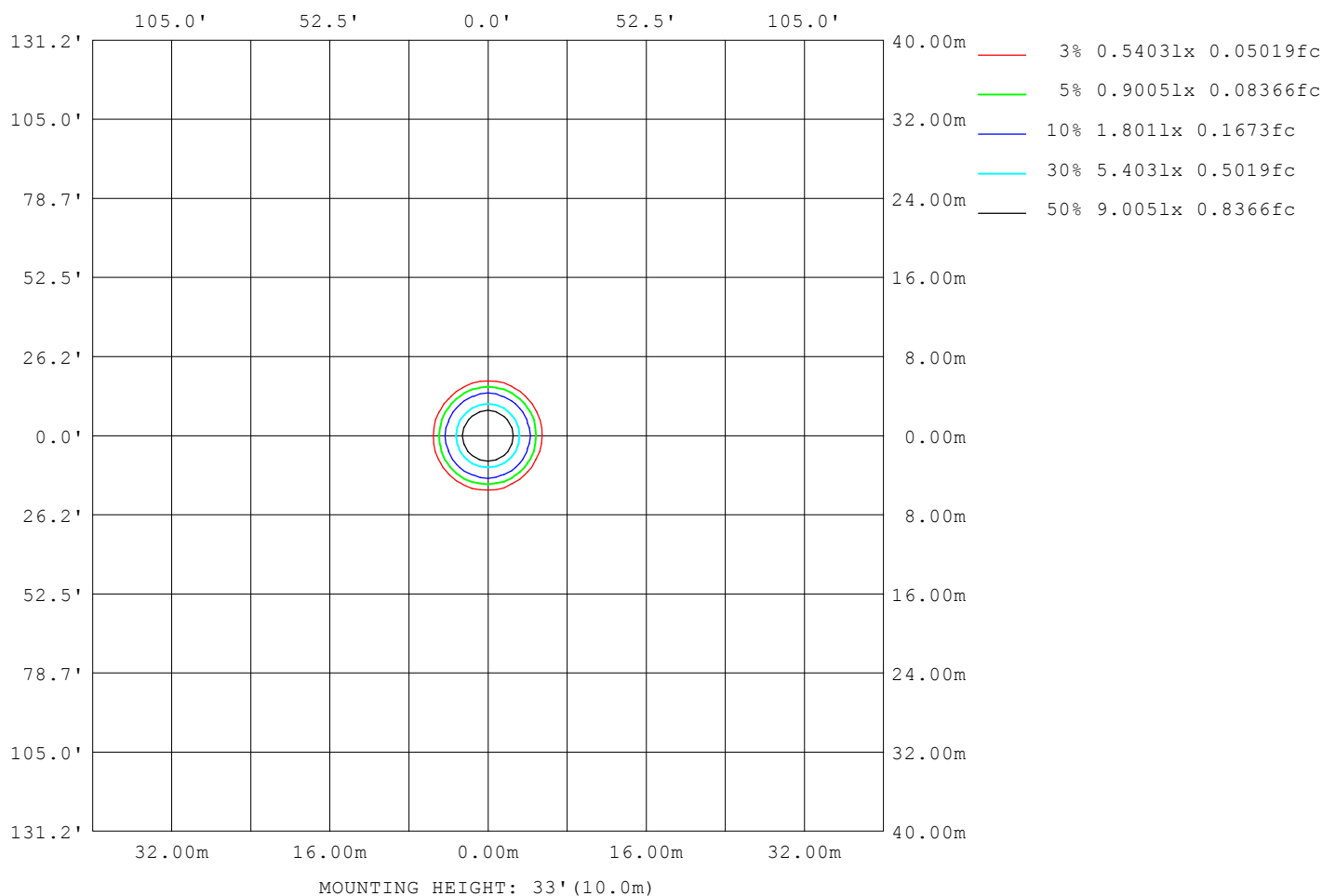
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

|  |            |                  |
|--|------------|------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz        |            |                  |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943 Lamp Flux:523.033x1 lm |            |                  |
| NAME: MD10-06-XX-04 3000K RA90 36D                           | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.:      | SERIAL No.:      |
| MFR.: Norming Lighting                                       | SUR.: 41mm | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

### LED Avg.L Report

|  |            |                  |
|--|------------|------------------|
| Test:U:240.3V I:0.0267A P:5.6W PF:0.8680 Freq:49.99Hz        |            |                  |
| UTHDi:0.17% ITHDi:24.66% KDisp:0.8943 Lamp Flux:523.033x1 lm |            |                  |
| NAME: MD10-06-XX-04 3000K RA90 36D                           | TYPE:      | WEIGHT:          |
| SPEC.:   | DIM.:      | SERIAL No.:      |
| MFR.: Norming Lighting                                       | SUR.: 41mm | Shielding Angle: |

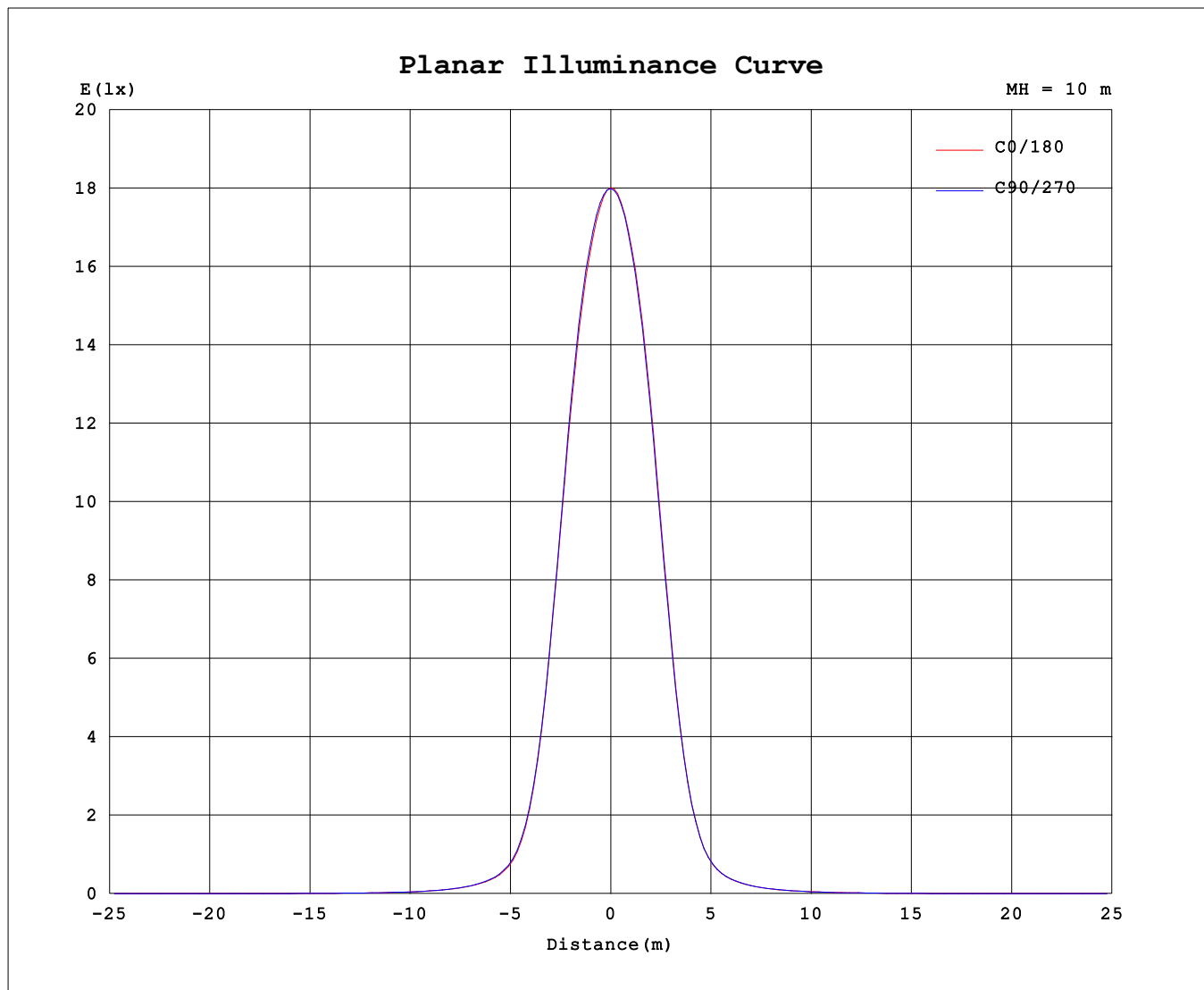
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 4771  |
| L_0~180 (75) av  | 2906  |
| L_0~180 (85) av  | 745   |
| L_90~270 (65) av | 4972  |
| L_90~270 (75) av | 3135  |
| L_90~270 (85) av | 157   |
| L_45 (65) av     | 4843  |
| L_45 (75) av     | 3016  |
| L_45 (85) av     | 85    |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-20

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

```

### Photometric Data Table [cd]

| G/C  | 0.0    | 45.0   | 90.0   | 135.0  | 180.0  | 225.0  | 270.0  | 315.0  |
|------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0  | 1799   | 1799   | 1799   | 1799   | 1799   | 1799   | 1799   | 1799   |
| 3.0  | 1758   | 1763   | 1771   | 1774   | 1769   | 1768   | 1766   | 1758   |
| 6.0  | 1654   | 1662   | 1673   | 1679   | 1672   | 1665   | 1665   | 1651   |
| 9.0  | 1484   | 1494   | 1508   | 1516   | 1508   | 1491   | 1495   | 1476   |
| 12.0 | 1230   | 1241   | 1250   | 1261   | 1257   | 1232   | 1239   | 1218   |
| 15.0 | 913.1  | 923.8  | 924.2  | 936.4  | 937.6  | 912.5  | 923.1  | 900.2  |
| 18.0 | 590.8  | 598.3  | 599.1  | 611.8  | 613.1  | 592.3  | 604.0  | 580.4  |
| 21.0 | 334.1  | 338.9  | 342.5  | 354.2  | 352.4  | 339.1  | 348.2  | 329.1  |
| 24.0 | 176.9  | 177.8  | 183.9  | 194.9  | 190.5  | 180.6  | 188.7  | 178.8  |
| 27.0 | 98.30  | 96.72  | 103.1  | 110.8  | 106.1  | 100.4  | 106.8  | 102.2  |
| 30.0 | 63.19  | 62.18  | 66.10  | 69.93  | 66.69  | 64.52  | 68.28  | 66.41  |
| 33.0 | 44.56  | 44.37  | 46.17  | 48.41  | 46.33  | 45.68  | 47.72  | 46.60  |
| 36.0 | 32.58  | 32.59  | 33.26  | 34.65  | 33.62  | 33.50  | 34.45  | 33.67  |
| 39.0 | 24.18  | 24.26  | 24.35  | 25.25  | 24.87  | 24.92  | 25.23  | 24.60  |
| 42.0 | 18.17  | 18.03  | 18.17  | 19.01  | 18.87  | 18.66  | 18.95  | 18.41  |
| 45.0 | 13.81  | 13.60  | 13.86  | 14.49  | 14.46  | 14.22  | 14.40  | 14.08  |
| 48.0 | 10.61  | 10.44  | 10.74  | 11.28  | 11.26  | 11.05  | 11.20  | 10.93  |
| 51.0 | 8.243  | 8.115  | 8.437  | 8.830  | 8.821  | 8.682  | 8.791  | 8.569  |
| 54.0 | 6.327  | 6.241  | 6.502  | 6.797  | 6.788  | 6.702  | 6.791  | 6.594  |
| 57.0 | 4.727  | 4.665  | 4.868  | 5.076  | 5.056  | 5.009  | 5.064  | 4.928  |
| 60.0 | 3.645  | 3.601  | 3.780  | 3.920  | 3.888  | 3.863  | 3.916  | 3.809  |
| 63.0 | 2.932  | 2.902  | 3.099  | 3.207  | 3.163  | 3.133  | 3.192  | 3.079  |
| 66.0 | 2.316  | 2.306  | 2.512  | 2.603  | 2.531  | 2.505  | 2.564  | 2.453  |
| 69.0 | 1.773  | 1.776  | 1.970  | 2.048  | 1.970  | 1.941  | 2.004  | 1.894  |
| 72.0 | 1.307  | 1.321  | 1.470  | 1.535  | 1.464  | 1.449  | 1.490  | 1.402  |
| 75.0 | 0.9086 | 0.9304 | 1.047  | 1.099  | 1.047  | 1.049  | 1.063  | 0.9809 |
| 78.0 | 0.5765 | 0.6024 | 0.6442 | 0.7048 | 0.6788 | 0.6857 | 0.6491 | 0.6292 |
| 81.0 | 0.3237 | 0.2850 | 0.2754 | 0.3633 | 0.3838 | 0.3308 | 0.2773 | 0.3227 |
| 84.0 | 0.1304 | 0.0522 | 0.0205 | 0.0800 | 0.1575 | 0.0602 | 0.0171 | 0.0619 |
| 87.0 | 0.0212 | 0.0093 | 0.0186 | 0.0080 | 0.0189 | 0.0071 | 0.0174 | 0.0045 |
| 90.0 | 0.0170 | 0.0093 | 0.0167 | 0.0119 | 0.0090 | 0.0093 | 0.0129 | 0.0100 |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks: