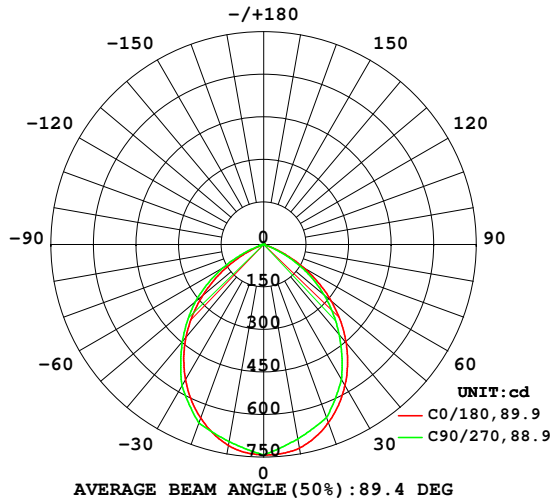


## LUMINAIRE PHOTOMETRIC TEST REPORT

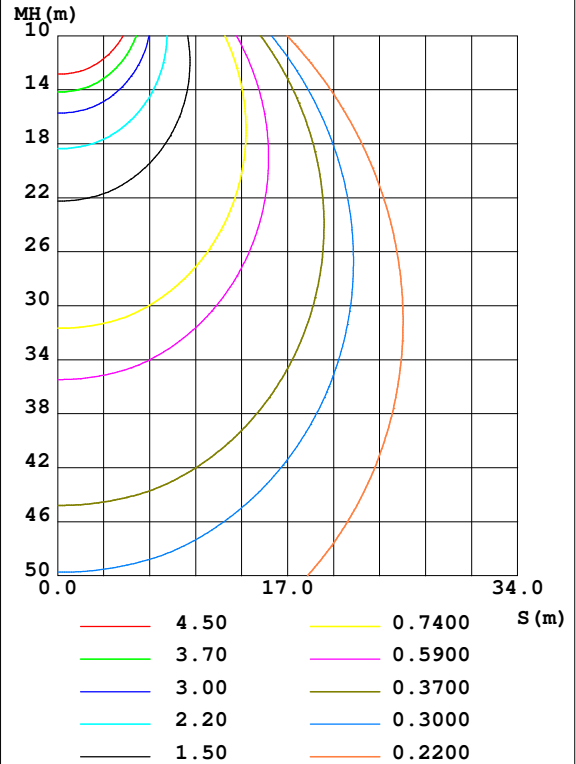
|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 39.10 lm/W |        |                        |          |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL            | MSG200  | Imax(cd)                         | 742.3  | S/MH(C0/180)           | 1.12     |
| NOMINAL POWER(W) | 35      | LOR(%)                           | 100.0  | S/MH(C90/270)          | 1.16     |
| RATED VOLTAGE(V) | 230.0   | TOTAL FLUX(lm)                   | 1412.0 | $\eta$ UP,DN(C0-180)   | 0.0,48.8 |
| NOMINAL FLUX(lm) | 1412.03 | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 0.0,51.2 |
| LAMPS INSIDE     | 1       | $\eta$ up(%)                     | 0.0    | CIBSE SHR NOM          | 1.25     |
| TEST VOLTAGE(V)  | 230     | $\eta$ down(%)                   | 100.0  | CIBSE SHR MAX          | 1.25     |

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:MUHAMMET  
Test Date:24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENSSÝZ

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180   | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 729.1                 | 704.2 | 695.7 | 696.0 | 719.5  | 703.2 | 705.9 | 711.2 | 0- 10    | 68.73       | 68.73        | 4.87,4.87  |
| 20       | 668.4                 | 648.0 | 649.3 | 627.1 | 651.2  | 640.8 | 669.6 | 661.1 | 10- 20   | 191.7       | 260.5        | 18.4,18.4  |
| 30       | 573.8                 | 561.4 | 549.1 | 540.2 | 551.5  | 559.8 | 576.8 | 579.3 | 20- 30   | 279.0       | 539.5        | 38.2,38.2  |
| 40       | 452.9                 | 438.4 | 414.7 | 416.0 | 426.4  | 440.5 | 446.1 | 459.6 | 30- 40   | 310.5       | 850.0        | 60.2,60.2  |
| 50       | 312.0                 | 288.6 | 280.3 | 265.9 | 281.5  | 292.4 | 315.3 | 310.4 | 40- 50   | 279.9       | 1130         | 80,80      |
| 60       | 159.8                 | 147.3 | 140.2 | 123.2 | 127.6  | 149.2 | 166.7 | 168.1 | 50- 60   | 195.9       | 1326         | 93.9,93.9  |
| 70       | 16.99                 | 46.65 | 0     | 35.70 | 0.0440 | 44.61 | 18.06 | 53.64 | 60- 70   | 80.08       | 1406         | 99.6,99.6  |
| 80       | 0                     | 0     | 0     | 0     | 0      | 0     | 9.031 | 0     | 70- 80   | 5.822       | 1412         | 100,100    |
| 90       | 0                     | 0     | 0     | 0     | 0      | 0     | 0     | 0     | 80- 90   | 0.3921      | 1412         | 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): 997.35 lm

%lum = 70.6%

%lamp = 70.6%

Conical surface Flux(120deg): 1325.7 lm

%lum = 93.9%

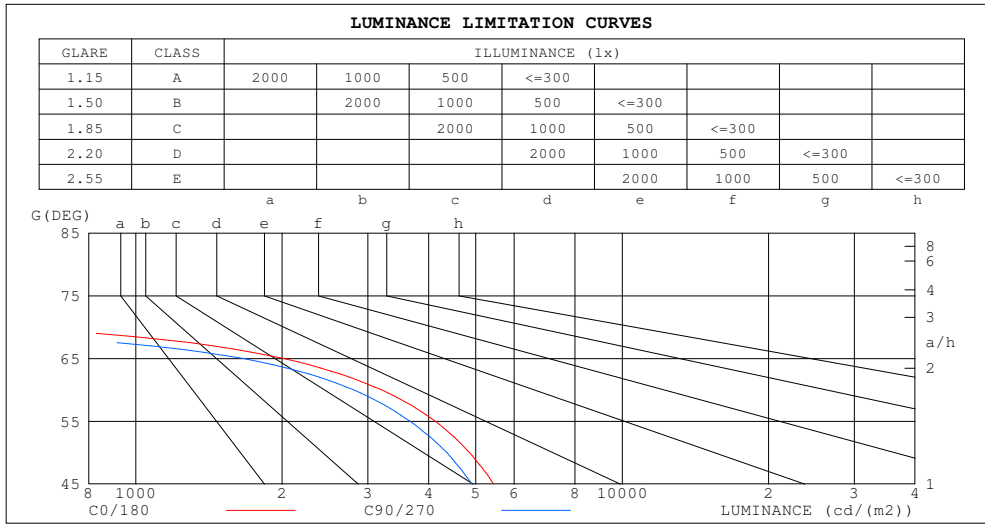
%lamp = 93.9%

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:MUHAMMET  
 Test Date:24/01/2023

$V(B)$  Range:-90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks: MSG200-35W-4000K-P.LENSSÝZ

## LUMINANCE LIMITATION CURVES

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE: INDOOR     | WEIGHT: 450gr    |
| SPEC.: 35W                                                                       | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 0      | 0       |
| 80                | 0      | 0       |
| 75                | 0      | 0       |
| 70                | 497    | 0       |
| 65                | 2008   | 1656    |
| 60                | 3196   | 2803    |
| 55                | 4127   | 3660    |
| 50                | 4854   | 4361    |
| 45                | 5439   | 4908    |

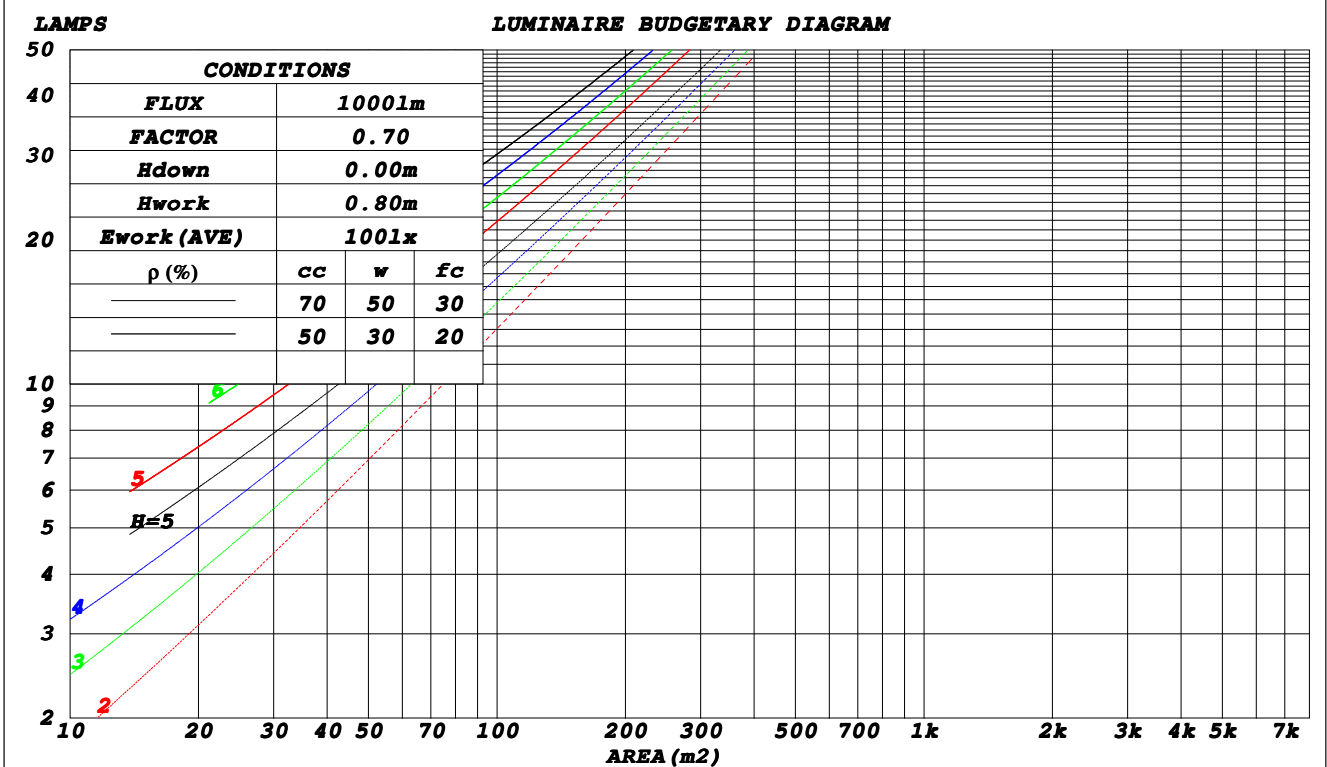
**H(β) Range: -90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25DEG**  
**Operators: MUHAMMET**  
**Test Date: 24/01/2023**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: MSG200-35W-4000K-P.LENSSÝZ**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
|-------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| $\rho_w$    | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| $\rho_{fc}$ | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR         | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:MUHAMMET  
Test Date:24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENSSÝZ

## WEC AND CCEC

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                              |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|-------------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                              | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                              |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0         |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |  |
| 1.0         | .233                  | .133 | .042 | .226 | .129 | .041 | .214                             | .123 | .039 | .202 | .116 | .037 | .191 | .111 | .036 |   |  |
| 2.0         | .230                  | .126 | .039 | .224 | .123 | .038 | .213                             | .118 | .037 | .203 | .114 | .036 | .193 | .109 | .034 |   |  |
| 3.0         | .221                  | .118 | .035 | .216 | .115 | .035 | .206                             | .112 | .034 | .197 | .108 | .033 | .188 | .104 | .032 |   |  |
| 4.0         | .210                  | .109 | .032 | .205 | .107 | .032 | .197                             | .104 | .031 | .189 | .101 | .031 | .181 | .098 | .030 |   |  |
| 5.0         | .198                  | .101 | .029 | .194 | .100 | .029 | .187                             | .097 | .029 | .180 | .095 | .028 | .173 | .092 | .028 |   |  |
| 6.0         | .187                  | .094 | .027 | .184 | .093 | .027 | .177                             | .091 | .026 | .171 | .089 | .026 | .165 | .087 | .026 |   |  |
| 7.0         | .177                  | .087 | .025 | .174 | .087 | .025 | .168                             | .085 | .024 | .162 | .083 | .024 | .157 | .081 | .024 |   |  |
| 8.0         | .167                  | .082 | .023 | .164 | .081 | .023 | .159                             | .079 | .023 | .154 | .078 | .022 | .149 | .077 | .022 |   |  |
| 9.0         | .158                  | .077 | .021 | .156 | .076 | .021 | .151                             | .075 | .021 | .146 | .073 | .021 | .142 | .072 | .021 |   |  |
| 10.0        | .150                  | .072 | .020 | .148 | .071 | .020 | .143                             | .070 | .020 | .139 | .069 | .020 | .135 | .068 | .020 |   |  |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                        | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .175                  | .157 | .140 | .150 | .135 | .121 | .102                                        | .093 | .084 | .059 | .054 | .049 | .019 | .017 | .016 |   |
| 2.0         | .164                  | .132 | .105 | .140 | .114 | .091 | .096                                        | .079 | .064 | .056 | .046 | .037 | .018 | .015 | .012 |   |
| 3.0         | .155                  | .114 | .081 | .133 | .098 | .070 | .091                                        | .068 | .049 | .053 | .040 | .029 | .017 | .013 | .010 |   |
| 4.0         | .147                  | .100 | .064 | .126 | .087 | .056 | .087                                        | .060 | .039 | .050 | .035 | .023 | .016 | .011 | .008 |   |
| 5.0         | .140                  | .089 | .052 | .120 | .077 | .045 | .083                                        | .054 | .032 | .048 | .032 | .019 | .015 | .010 | .006 |   |
| 6.0         | .133                  | .081 | .043 | .115 | .070 | .037 | .079                                        | .049 | .026 | .046 | .029 | .016 | .015 | .009 | .005 |   |
| 7.0         | .127                  | .074 | .036 | .109 | .064 | .032 | .076                                        | .045 | .022 | .044 | .026 | .013 | .014 | .009 | .004 |   |
| 8.0         | .121                  | .068 | .031 | .104 | .059 | .027 | .072                                        | .041 | .019 | .042 | .024 | .011 | .014 | .008 | .004 |   |
| 9.0         | .116                  | .063 | .027 | .100 | .055 | .024 | .069                                        | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 |   |
| 10.0        | .111                  | .059 | .024 | .096 | .051 | .021 | .066                                        | .036 | .015 | .039 | .021 | .009 | .013 | .007 | .003 |   |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:MUHAMMET  
 Test Date:24/01/2023

$V(B)$  Range:-90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks: MSG200-35W-4000K-P.LENSSÝZ

UGR(Unified Glare Rating) Table

|                                                                                  |                  |      |      |      |                  |                |      |                  |      |      |
|----------------------------------------------------------------------------------|------------------|------|------|------|------------------|----------------|------|------------------|------|------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |      |      |      |                  |                |      |                  |      |      |
| NAME: MSG200-P.LENSSÝZ                                                           |                  |      |      |      | TYPE:INDOOR      |                |      | WEIGHT:450gr     |      |      |
| SPEC.:35W                                                                        |                  |      |      |      | DIM.: Ø200-H50mm |                |      | SERIAL No.:      |      |      |
| MFR.: LITPA AYDINLATMA                                                           |                  |      |      |      | 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                                                                    | 17.3             | 18.6 | 17.5 | 18.8 | 19.0             | 16.9           | 18.2 | 17.1             | 18.4 | 18.6 |
| 3H                                                                               | 17.3             | 18.5 | 17.6 | 18.8 | 19.0             | 16.9           | 18.1 | 17.2             | 18.3 | 18.5 |
| 4H                                                                               | 17.2             | 18.4 | 17.5 | 18.6 | 18.9             | 16.8           | 17.9 | 17.1             | 18.2 | 18.4 |
| 6H                                                                               | 17.1             | 18.2 | 17.5 | 18.5 | 18.7             | 16.7           | 17.7 | 17.0             | 18.0 | 18.3 |
| 8H                                                                               | 17.1             | 18.1 | 17.4 | 18.4 | 18.7             | 16.6           | 17.7 | 17.0             | 17.9 | 18.2 |
| 12H                                                                              | 17.0             | 18.0 | 17.4 | 18.3 | 18.6             | 16.6           | 17.6 | 16.9             | 17.9 | 18.1 |
| 4H 2H                                                                            | 17.4             | 18.6 | 17.7 | 18.8 | 19.0             | 17.1           | 18.2 | 17.4             | 18.5 | 18.7 |
| 3H                                                                               | 17.5             | 18.5 | 17.9 | 18.8 | 19.1             | 17.1           | 18.1 | 17.5             | 18.4 | 18.7 |
| 4H                                                                               | 17.4             | 18.3 | 17.8 | 18.6 | 18.9             | 17.0           | 17.9 | 17.4             | 18.2 | 18.6 |
| 6H                                                                               | 17.3             | 18.1 | 17.7 | 18.4 | 18.8             | 17.0           | 17.7 | 17.3             | 18.1 | 18.4 |
| 8H                                                                               | 17.3             | 18.0 | 17.7 | 18.3 | 18.7             | 16.9           | 17.6 | 17.3             | 18.0 | 18.4 |
| 12H                                                                              | 17.2             | 17.9 | 17.7 | 18.3 | 18.7             | 16.9           | 17.5 | 17.3             | 17.9 | 18.3 |
| 8H 4H                                                                            | 17.3             | 18.0 | 17.7 | 18.4 | 18.8             | 16.9           | 17.6 | 17.3             | 18.0 | 18.4 |
| 6H                                                                               | 17.2             | 17.8 | 17.7 | 18.2 | 18.6             | 16.8           | 17.4 | 17.3             | 17.8 | 18.2 |
| 8H                                                                               | 17.2             | 17.7 | 17.6 | 18.1 | 18.5             | 16.8           | 17.3 | 17.3             | 17.7 | 18.2 |
| 12H                                                                              | 17.1             | 17.6 | 17.6 | 18.0 | 18.5             | 16.8           | 17.2 | 17.2             | 17.6 | 18.1 |
| 12H 4H                                                                           | 17.3             | 17.9 | 17.7 | 18.3 | 18.7             | 16.9           | 17.5 | 17.3             | 17.9 | 18.3 |
| 6H                                                                               | 17.2             | 17.7 | 17.6 | 18.1 | 18.5             | 16.8           | 17.3 | 17.3             | 17.7 | 18.2 |
| 8H                                                                               | 17.1             | 17.6 | 17.6 | 18.0 | 18.5             | 16.8           | 17.2 | 17.2             | 17.6 | 18.1 |
| Variations with the observer position at spacings:                               |                  |      |      |      |                  |                |      |                  |      |      |
| S = 1.0H                                                                         | + 0.9 / - 1.1    |      |      |      |                  | + 0.8 / - 1.1  |      |                  |      |      |
| 1.5H                                                                             | + 0.3 / - 0.8    |      |      |      |                  | + 0.3 / - 0.4  |      |                  |      |      |
| 2.0H                                                                             | + 1.3 / - 2.5    |      |      |      |                  | + 1.2 / - 1.7  |      |                  |      |      |

CIE Pub.117, 1412 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.2$ )

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:MUHAMMET  
 Test Date:24/01/2023

$V(\beta)$  Range:-90 - 90DEG  
 $V(\beta)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks: MSG200-35W-4000K-P.LENSSÝZ

## UTILIZATION FACTORS TABLE

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE: INDOOR     | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

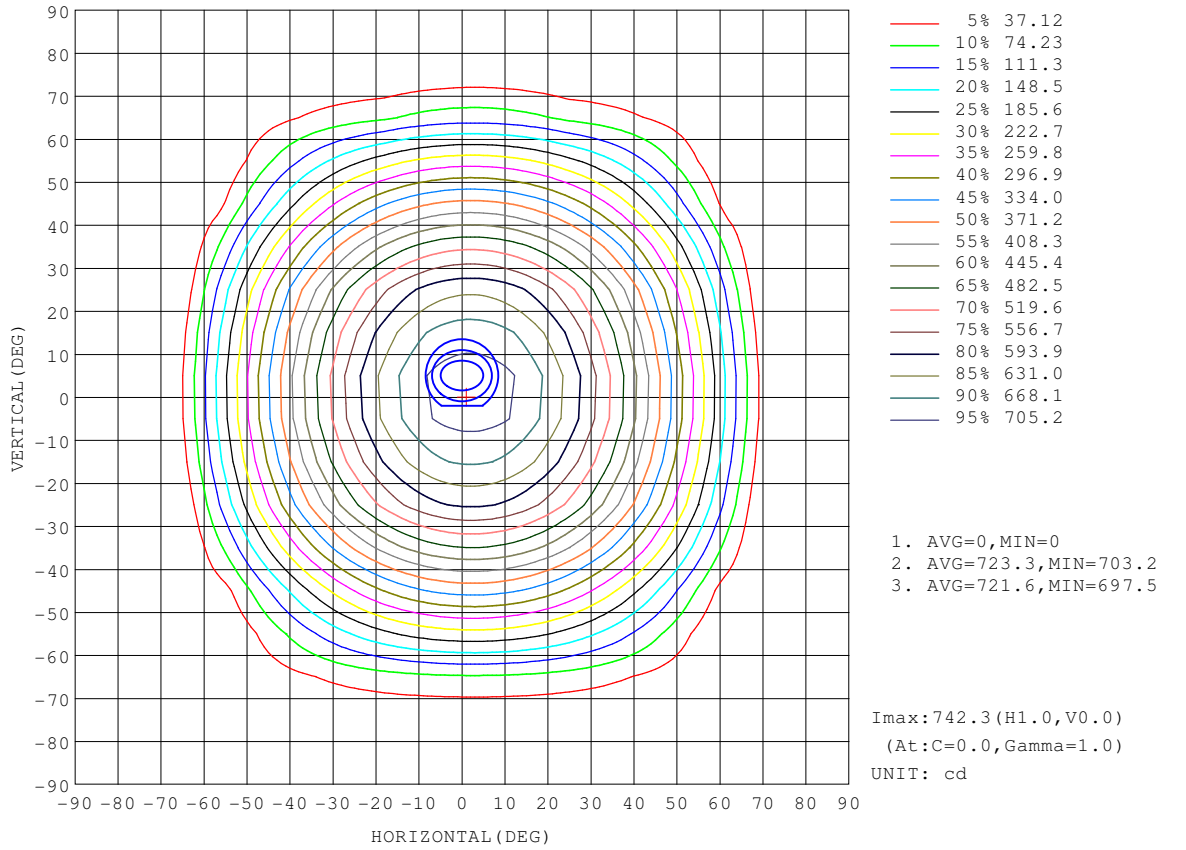
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 66                                                   | 56  | 50        | 65  | 56  | 50  | 64  | 55            | 49  | 44     |
| 0.80                             | 76                                                   | 67  | 60        | 75  | 66  | 60  | 74  | 65            | 60  | 54     |
| 1.00                             | 85                                                   | 76  | 70        | 84  | 75  | 70  | 82  | 76            | 69  | 63     |
| 1.25                             | 91                                                   | 83  | 78        | 90  | 83  | 77  | 88  | 81            | 76  | 70     |
| 1.50                             | 96                                                   | 88  | 83        | 94  | 87  | 82  | 92  | 86            | 81  | 75     |
| 2.00                             | 102                                                  | 95  | 90        | 100 | 94  | 89  | 97  | 92            | 88  | 81     |
| 2.50                             | 104                                                  | 99  | 94        | 103 | 97  | 93  | 99  | 95            | 91  | 84     |
| 3.00                             | 107                                                  | 102 | 98        | 105 | 100 | 97  | 101 | 98            | 94  | 87     |
| 4.00                             | 110                                                  | 106 | 102       | 108 | 104 | 101 | 104 | 101           | 98  | 90     |
| 5.00                             | 112                                                  | 108 | 105       | 109 | 106 | 103 | 105 | 103           | 100 | 92     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:MUHAMMET  
 Test Date:24/01/2023

$V(B)$  Range:-90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks: MSG200-35W-4000K-P.LENSSÝZ

## ISOCANDELA DIAGRAM

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE: INDOOR     | WEIGHT: 450gr    |
| SPEC.: 35W                                                                       | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

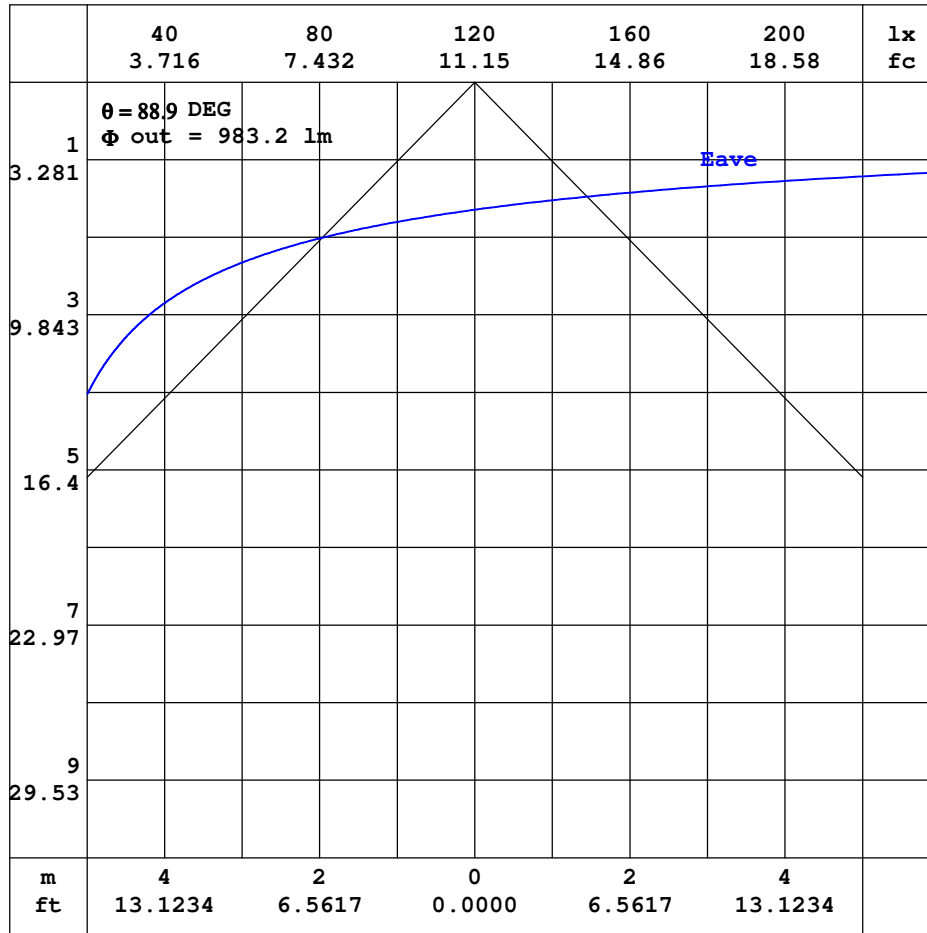


H(β) Range: -90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: MUHAMMET  
Test Date: 24/01/2023

V(B) Range: -90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENSSÝZ

## AAI CURVES

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE: INDOOR     | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |



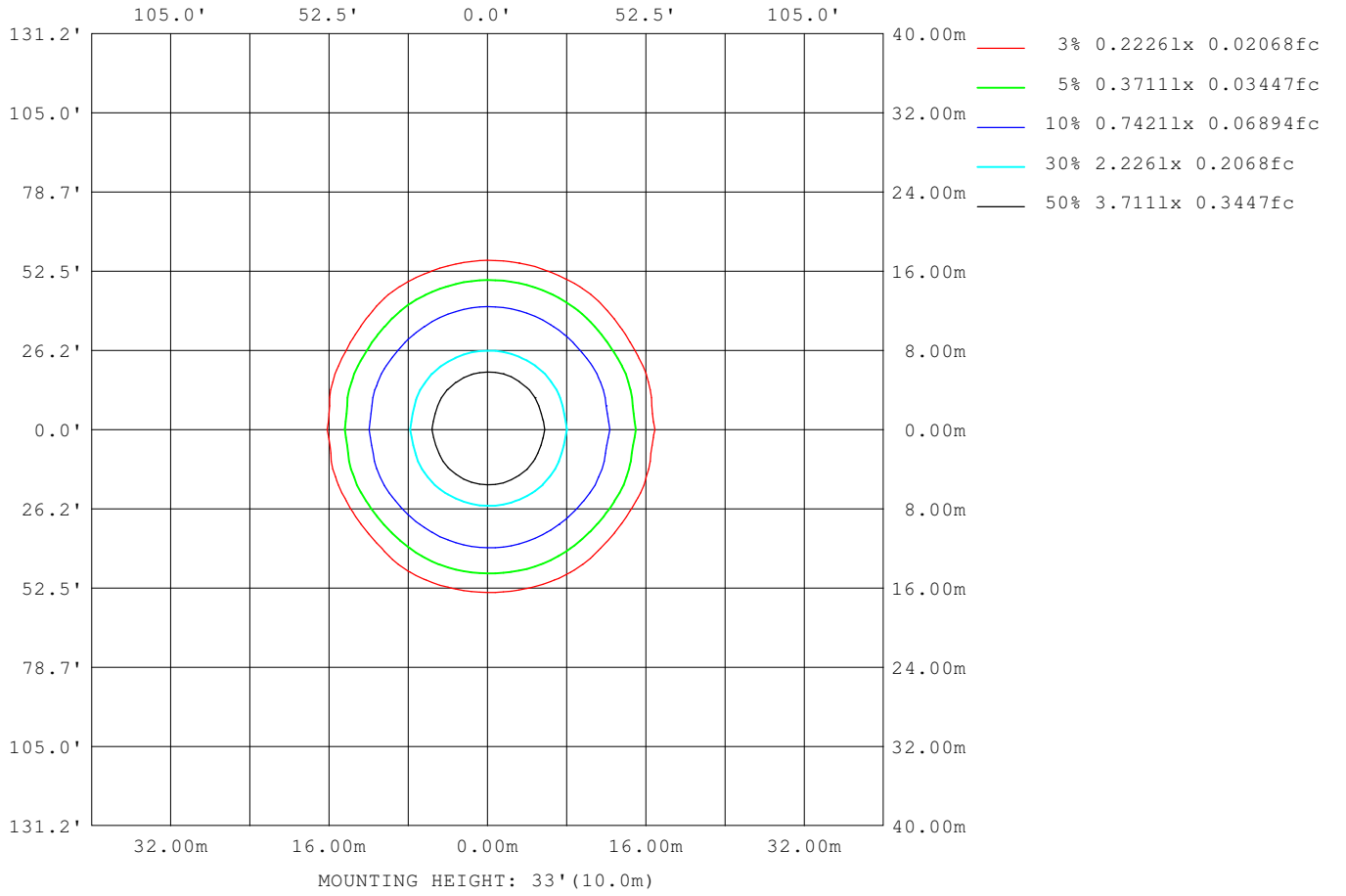
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**H(β) Range: -90 - 90DEG**  
**H(β) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25DEG**  
**Operators: MUHAMMET**  
**Test Date: 24/01/2023**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400**  
**Humidity: 65.0%**  
**Test Distance: 7.200m [K=1.0000]**  
**Remarks: MSG200-35W-4000K-P.LENSSÝZ**

## ISOLUX DIAGRAM

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE: INDOOR     | WEIGHT: 450gr    |
| SPEC.: 35W                                                                       | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: MUHAMMET  
Test Date: 24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENSSÝZ

## LED Avg.L Report

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

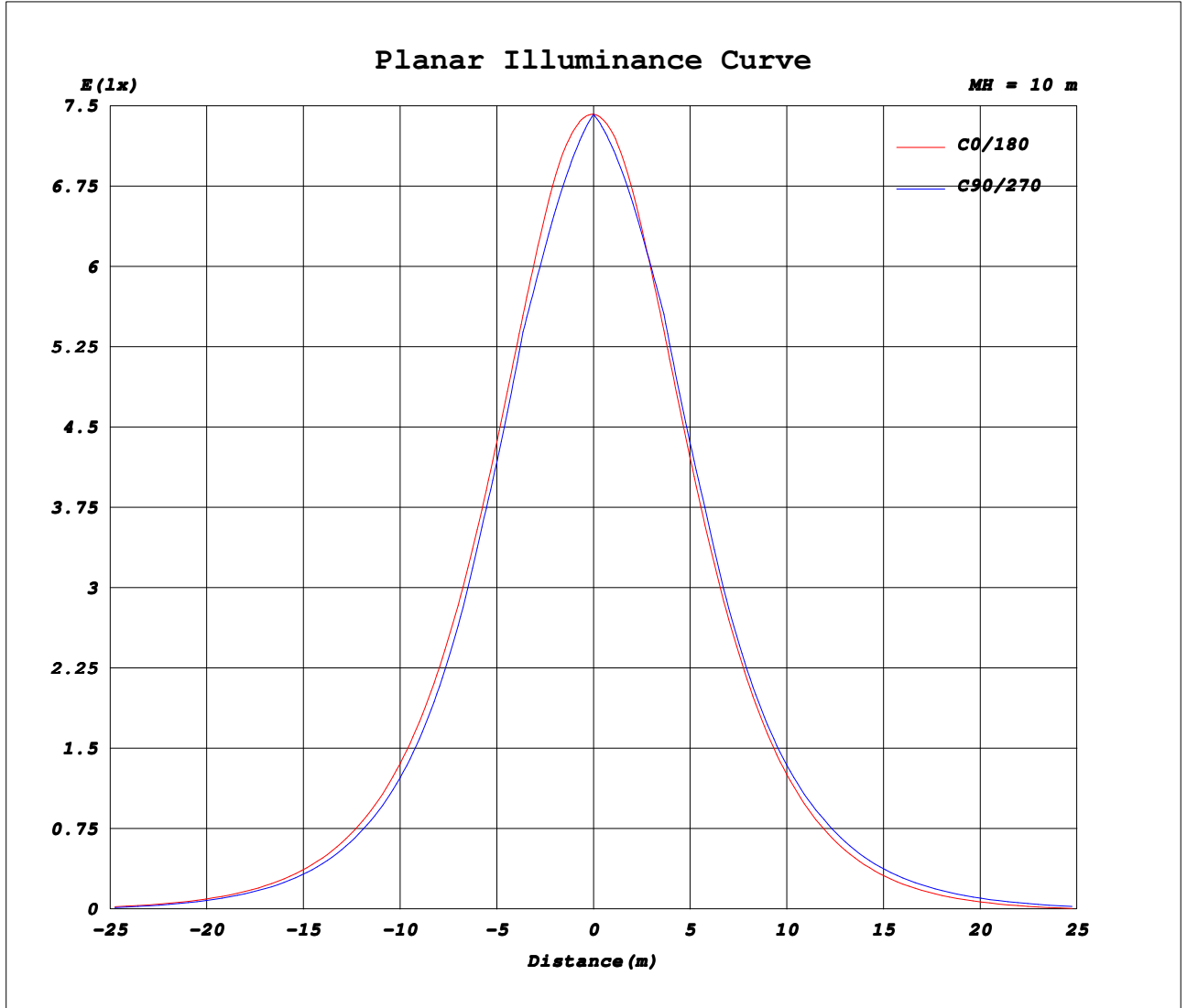
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 1647  |
| L_0~180 (75) av  | 0     |
| L_0~180 (85) av  | 0     |
| L_90~270 (65) av | 1918  |
| L_90~270 (75) av | 259   |
| L_90~270 (85) av | 256   |
| L_45 (65) av     | 2183  |
| L_45 (75) av     | 166   |
| L_45 (85) av     | 0     |

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:MUHAMMET  
Test Date:24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENSSÝZ

## Planar Illuminance Curve



$H(\beta)$  Range: -90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: MUHAMMET  
Test Date: 24/01/2023

$V(B)$  Range: -90 - 90DEG  
 $V(B)$  Interval: 5.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity: 65.0%  
Test Distance: 7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENŞSÝZ

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

Table--1

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:MUHAMMET  
Test Date:24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENŠSÝZ

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

Table--2

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:MUHAMMET  
Test Date:24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENŠSÝZ

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

Table--3

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:MUHAMMET  
Test Date:24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENŠSYZ

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                  |                  |                  |
|----------------------------------------------------------------------------------|------------------|------------------|
| Test:U:230.32V I:0.1618A P:36.110W PF:0.9689 Freq:50.01Hz Lamp Flux:1412.03x1 lm |                  |                  |
| NAME: MSG200-P.LENSSÝZ                                                           | TYPE:INDOOR      | WEIGHT:450gr     |
| SPEC.:35W                                                                        | DIM.: Ø200-H50mm | SERIAL No.:      |
| MFR.: LITPA AYDINLATMA                                                           | SUR.:            | Shielding Angle: |

Table--4

UNIT: cd

[illegible]

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:MUHAMMET  
Test Date:24/01/2023

V(B) Range:-90 - 90DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.400  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: MSG200-35W-4000K-P.LENŠSÝZ