

# 101 Klubovna

|  |                                     |                |
|--|-------------------------------------|----------------|
| <b>Prostor</b><br>Norma  | <b>101 Klubovna</b><br>5.6.2.1      | -<br>-         |
| Délka<br>Šířka<br>Výška  | 7750<br>9250<br>2850                | mm<br>mm<br>mm |
| Činitel odrazu stropu<br>Činitel odrazu stěn 1,2,3,4<br>Činitel odrazu podlahy | 0.70<br>0.50 0.50 0.50 0.50<br>0.30 | -<br>-<br>-    |

|  |  |                                 |
|--|--|---------------------------------|
| <b>Udržovací činitel</b>   | <b>Počítán</b>                           | -                               |
| Čistota prostředí<br>Interval čištění svítidel<br>Interval obnovy povrchů<br>Interval výměny zdrojů<br>Nejistota výpočtu | Čisté<br>12<br>36<br>Individuální<br>0.0 | -<br>Měsíců<br>Měsíců<br>-<br>% |

## Rozmístění výpočetních bodů

|   |                                |                       |
|---|--------------------------------|-----------------------|
| <b>Místo zrakového úkolu</b>  | <b>Místo zrakového úkolu 1</b> | -                     |
| Souřadnice prvního bodu<br>Rozteč bodů 1<br>Rozteč bodů 2<br>Počet ve směru rozteče 1,2 | 375<br>500<br>0<br>15          | 375<br>0<br>500<br>18 |
|   |                                | 750<br>0<br>0<br>0    |
|   |                                | mm<br>mm<br>mm<br>-   |

|   |                                 |                          |
|---|---------------------------------|--------------------------|
| <b>Místo zrakového úkolu</b>  | <b>Místo zrakového úkolu 1a</b> | -                        |
| Souřadnice prvního bodu<br>Rozteč bodů 1<br>Rozteč bodů 2<br>Počet ve směru rozteče 1,2<br>Úhel naklonění | 375<br>500<br>0<br>15<br>0      | 375<br>0<br>500<br>18    |
|   |                                 | 1700<br>0<br>0           |
|   |                                 | mm<br>mm<br>mm<br>-<br>- |

## Rozmístění svítidel

|   |  |   |
|---|--|---|
| <b>Soustava svítidel 1</b>  | <b>Soustava svítidel 1</b>   | -   |
| Svítidlo<br>Světelný zdroj<br>Souřadnice prvního svítidla<br>Rozteč svítidel 1<br>Rozteč svítidel 2<br>Počet ve směru rozteče 1,2<br>Počet svítidel<br>Vektor optické osy<br>Vektor osy C0<br>Úhel otočení<br>Úhel naklonění<br>Úhel natočení | MODUS LL 418 AL<br>L 18 W/840 G13<br>1292<br>2583<br>0<br>3<br>9<br>0.00<br>0.00<br>90<br>0<br>0 | 1542<br>2850<br>0<br>3083<br>3<br>0.00<br>1.00<br>-1.00<br>0.00 |
|   |  | -<br>-<br>mm<br>mm<br>mm<br>-<br>-<br>-<br>-<br>°<br>°<br>°     |

## Horizontální udržovaná osvětlenost v kontrolních bodech - Místo zrakového úkolu 1

**Udržovací činitel** 0.68  
**Minimální hodnota** 190.8 lx  
**Střední hodnota** 319.4 lx  
**Maximální hodnota** 407.0 lx  
**Rovnoměrnost** 0.60

|      |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y\X  | 375   | 875   | 1375  | 1875  | 2375  | 2875  | 3375  | 3875  | 4375  | 4875  | 5375  |
| 375  | 190.8 | 248.9 | 283.8 | 267.4 | 250.4 | 254.9 | 280.6 | 303.9 | 280.6 | 254.9 | 250.4 |
| 875  | 223.8 | 285.6 | 321.7 | 308.0 | 294.0 | 298.5 | 321.8 | 344.1 | 321.8 | 298.5 | 294.0 |
| 1375 | 231.3 | 298.6 | 332.6 | 318.3 | 296.3 | 302.0 | 333.1 | 354.3 | 333.1 | 302.0 | 296.2 |



|      |       |       |       |       |       |       |       |              |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|
| Y\X  | 375   | 875   | 1375  | 1875  | 2375  | 2875  | 3375  | 3875         | 4375  | 4875  | 5375  |
| 1875 | 242.3 | 308.0 | 342.2 | 331.9 | 315.0 | 320.2 | 346.9 | 365.7        | 346.9 | 320.2 | 315.0 |
| 2375 | 255.2 | 324.6 | 365.8 | 351.4 | 337.3 | 342.5 | 367.7 | 392.6        | 367.7 | 342.5 | 337.3 |
| 2875 | 258.9 | 334.8 | 378.5 | 361.2 | 339.7 | 346.1 | 379.0 | 406.0        | 379.0 | 346.1 | 339.7 |
| 3375 | 259.9 | 335.4 | 379.3 | 361.9 | 341.2 | 347.7 | 379.9 | 407.0        | 379.9 | 347.7 | 341.2 |
| 3875 | 257.5 | 324.8 | 364.8 | 352.7 | 340.1 | 345.1 | 368.8 | 391.8        | 368.8 | 345.1 | 340.1 |
| 4375 | 246.5 | 312.6 | 346.9 | 336.9 | 318.8 | 324.5 | 352.7 | 371.4        | 352.7 | 324.5 | 318.8 |
| 4875 | 246.5 | 312.6 | 346.9 | 336.9 | 318.8 | 324.5 | 352.7 | 371.4        | 352.7 | 324.5 | 318.8 |
| 5375 | 257.5 | 324.8 | 364.8 | 352.7 | 340.1 | 345.1 | 368.8 | 391.8        | 368.8 | 345.1 | 340.1 |
| 5875 | 259.9 | 335.4 | 379.3 | 361.9 | 341.2 | 347.7 | 379.9 | <b>407.0</b> | 379.9 | 347.7 | 341.2 |
| 6375 | 258.9 | 334.8 | 378.5 | 361.2 | 339.7 | 346.1 | 379.0 | 406.0        | 379.0 | 346.1 | 339.7 |
| 6875 | 255.2 | 324.6 | 365.8 | 351.4 | 337.3 | 342.5 | 367.7 | 392.6        | 367.7 | 342.5 | 337.3 |
| 7375 | 242.3 | 308.0 | 342.2 | 331.9 | 315.0 | 320.2 | 346.9 | 365.7        | 346.9 | 320.2 | 315.0 |
| 7875 | 231.3 | 298.6 | 332.6 | 318.4 | 296.3 | 302.0 | 333.2 | 354.3        | 333.1 | 302.0 | 296.3 |
| 8375 | 223.9 | 285.6 | 321.8 | 308.0 | 294.0 | 298.5 | 321.8 | 344.2        | 321.8 | 298.5 | 294.0 |
| 8875 | 190.8 | 248.9 | 283.8 | 267.4 | 250.4 | 254.9 | 280.7 | 303.9        | 280.7 | 254.9 | 250.4 |

|      |       |       |       |              |
|------|-------|-------|-------|--------------|
| Y\X  | 5875  | 6375  | 6875  | 7375         |
| 375  | 267.4 | 283.8 | 248.9 | <b>190.8</b> |
| 875  | 307.9 | 321.7 | 285.6 | 223.8        |
| 1375 | 318.3 | 332.6 | 298.5 | 231.2        |
| 1875 | 331.9 | 342.1 | 307.9 | 242.3        |
| 2375 | 351.3 | 365.8 | 324.6 | 255.2        |
| 2875 | 361.2 | 378.5 | 334.8 | 258.9        |
| 3375 | 361.9 | 379.2 | 335.3 | 259.9        |
| 3875 | 352.7 | 364.8 | 324.7 | 257.5        |
| 4375 | 336.9 | 346.9 | 312.6 | 246.5        |
| 4875 | 336.9 | 346.9 | 312.6 | 246.5        |
| 5375 | 352.7 | 364.8 | 324.7 | 257.5        |
| 5875 | 361.9 | 379.2 | 335.3 | 259.9        |
| 6375 | 361.2 | 378.5 | 334.8 | 258.9        |
| 6875 | 351.4 | 365.8 | 324.6 | 255.2        |
| 7375 | 331.9 | 342.2 | 307.9 | 242.3        |
| 7875 | 318.4 | 332.6 | 298.5 | 231.2        |
| 8375 | 308.0 | 321.8 | 285.6 | 223.8        |
| 8875 | 267.4 | 283.8 | 248.9 | 190.8        |

### Činitel oslnění UGR v kontrolních bodech - Místo zrakového úkolu 1a

Minimální hodnota 11.7 -  
Střední hodnota 17.1 -  
Maximální hodnota 19.4 -

|      |      |      |      |      |      |      |      |             |             |      |      |
|------|------|------|------|------|------|------|------|-------------|-------------|------|------|
| Y\X  | 375  | 875  | 1375 | 1875 | 2375 | 2875 | 3375 | 3875        | 4375        | 4875 | 5375 |
| 375  | 16.8 | 18.3 | 18.2 | 18.2 | 16.6 | 16.9 | 18.3 | 18.2        | 18.3        | 16.9 | 16.6 |
| 875  | 18.9 | 18.3 | 17.4 | 18.6 | 18.3 | 18.6 | 18.5 | 17.2        | 18.5        | 18.6 | 18.3 |
| 1375 | 17.4 | 14.3 | 12.9 | 14.6 | 17.0 | 17.3 | 14.7 | 11.7        | 14.7        | 17.3 | 17.0 |
| 1875 | 18.1 | 16.0 | 13.1 | 16.3 | 17.7 | 17.9 | 16.3 | 12.6        | 16.3        | 17.9 | 17.7 |
| 2375 | 18.5 | 19.4 | 19.0 | 19.4 | 17.8 | 18.1 | 19.4 | 19.0        | <b>19.4</b> | 18.1 | 17.8 |
| 2875 | 15.8 | 17.0 | 16.7 | 17.1 | 15.8 | 16.0 | 17.1 | 16.8        | 17.1        | 16.0 | 15.8 |
| 3375 | 16.2 | 17.5 | 17.4 | 17.5 | 16.0 | 16.3 | 17.6 | 17.4        | 17.6        | 16.3 | 16.0 |
| 3875 | 18.6 | 18.7 | 18.2 | 18.9 | 17.9 | 18.3 | 18.8 | 18.1        | 18.8        | 18.3 | 17.9 |
| 4375 | 17.7 | 14.9 | 13.1 | 14.9 | 17.1 | 17.4 | 15.4 | 11.8        | 15.4        | 17.4 | 17.1 |
| 4875 | 17.7 | 14.9 | 13.1 | 14.9 | 17.1 | 17.4 | 15.4 | 11.8        | 15.4        | 17.4 | 17.1 |
| 5375 | 18.6 | 18.7 | 18.2 | 18.9 | 17.9 | 18.3 | 18.8 | 18.1        | 18.8        | 18.3 | 17.9 |
| 5875 | 16.2 | 17.5 | 17.4 | 17.5 | 16.0 | 16.3 | 17.6 | 17.4        | 17.6        | 16.3 | 16.0 |
| 6375 | 15.8 | 17.0 | 16.7 | 17.1 | 15.8 | 16.0 | 17.1 | 16.8        | 17.1        | 16.0 | 15.8 |
| 6875 | 18.5 | 19.4 | 19.0 | 19.4 | 17.8 | 18.1 | 19.4 | 19.0        | 19.4        | 18.1 | 17.8 |
| 7375 | 18.1 | 16.0 | 13.1 | 16.3 | 17.7 | 17.9 | 16.3 | 12.6        | 16.3        | 17.9 | 17.7 |
| 7875 | 17.4 | 14.3 | 12.9 | 14.6 | 17.0 | 17.3 | 14.7 | <b>11.7</b> | 14.7        | 17.3 | 17.0 |
| 8375 | 18.9 | 18.3 | 17.4 | 18.6 | 18.3 | 18.6 | 18.5 | 17.2        | 18.5        | 18.6 | 18.3 |
| 8875 | 16.8 | 18.3 | 18.2 | 18.2 | 16.6 | 16.9 | 18.3 | 18.2        | 18.3        | 16.9 | 16.6 |

|      |      |      |      |      |
|------|------|------|------|------|
| Y\X  | 5875 | 6375 | 6875 | 7375 |
| 375  | 18.2 | 18.2 | 18.3 | 16.8 |
| 875  | 18.6 | 17.4 | 18.3 | 18.9 |
| 1375 | 14.7 | 12.9 | 14.3 | 17.4 |
| 1875 | 16.3 | 13.1 | 16.0 | 18.1 |
| 2375 | 19.4 | 19.0 | 19.4 | 18.5 |
| 2875 | 17.1 | 16.8 | 17.0 | 15.8 |
| 3375 | 17.5 | 17.4 | 17.5 | 16.2 |
| 3875 | 18.9 | 18.2 | 18.7 | 18.6 |
| 4375 | 14.9 | 13.1 | 14.9 | 17.7 |
| 4875 | 14.9 | 13.1 | 14.9 | 17.7 |



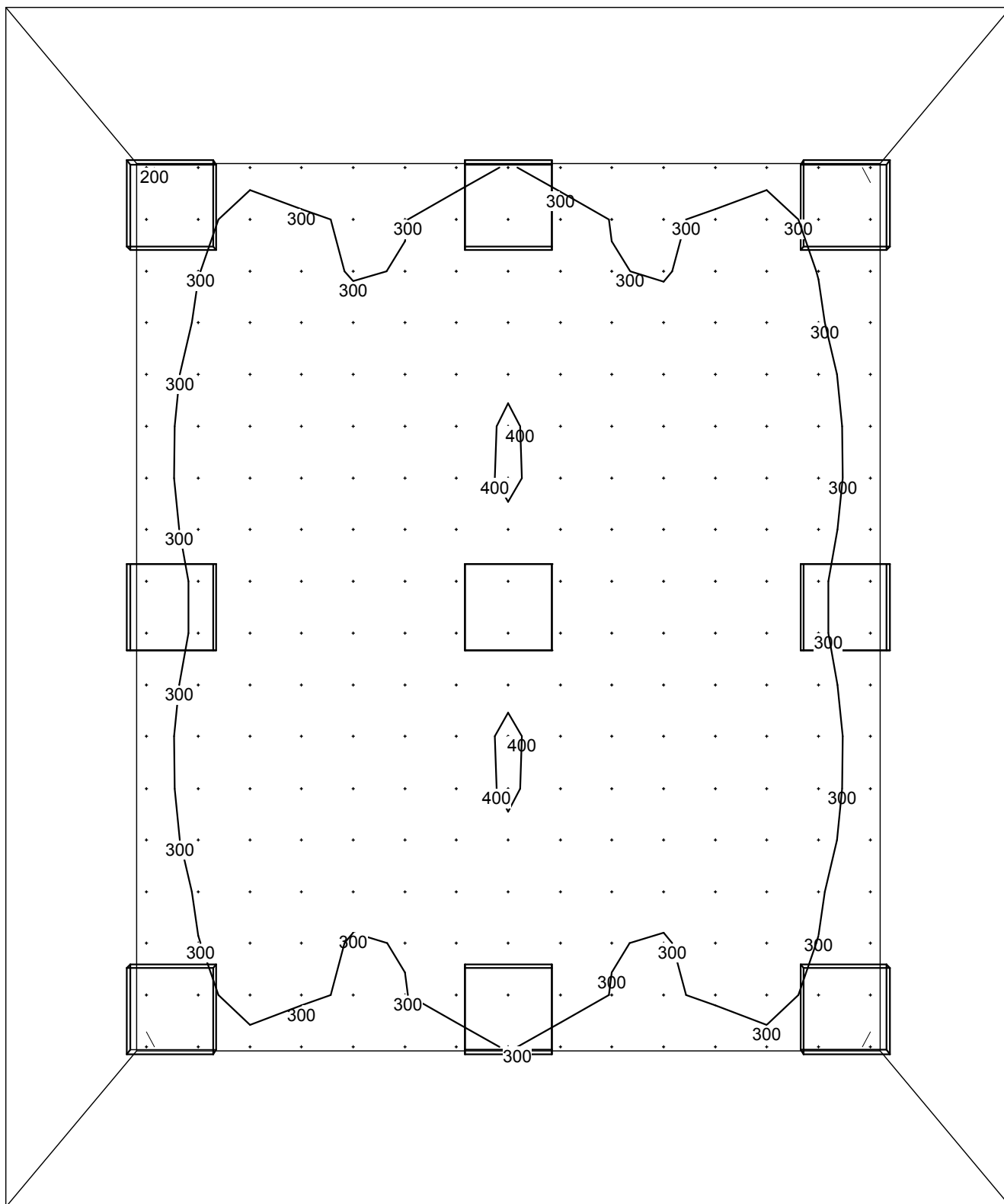
| Y\X  | 5875 | 6375 | 6875 | 7375 |
|------|------|------|------|------|
| 5375 | 18.9 | 18.2 | 18.7 | 18.6 |
| 5875 | 17.5 | 17.4 | 17.6 | 16.2 |
| 6375 | 17.1 | 16.7 | 17.0 | 15.8 |
| 6875 | 19.4 | 19.0 | 19.4 | 18.5 |
| 7375 | 16.3 | 13.1 | 16.0 | 18.1 |
| 7875 | 14.7 | 12.8 | 14.3 | 17.4 |
| 8375 | 18.6 | 17.4 | 18.3 | 18.9 |
| 8875 | 18.2 | 18.2 | 18.3 | 16.8 |



## 101 Klubovna

### Místo zrkového úkolu 1 - Udržovaná osvětlenost v kontrolních bodech

Emin: 190.8 Em: 319.4 Emax: 407.0 R=Emin/Emed: 0.60 Z: 0.68





## 101 Klubovna

### Místo zřakového úkolu 1a - Činitel oslnění UGR dle Sorensena

UGRL: 19: UGRmin: 11.7 UGRmed: 17.1 UGRmax: 19.4

