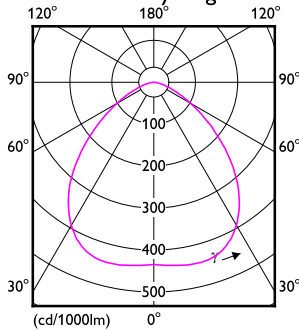
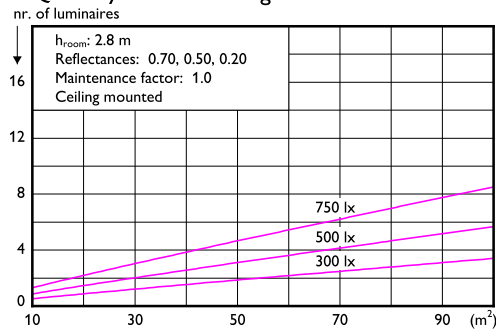


**1 x 9290031616 65.0W 4000K****1 x 9000 lm****Polar intensity diagram**

Light output ratio 1.01  
 Service upward 0.00  
 Service downward 1.01

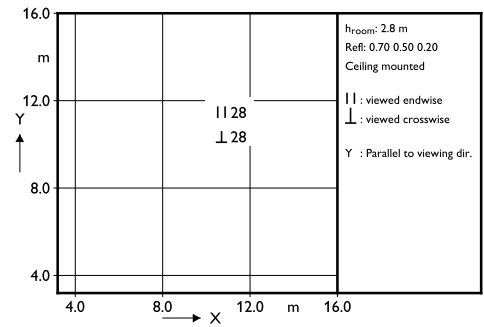
CIE flux code 61 90 99 100 101

UGRcen (4Hx8H, 0.25H) 26

**Quantity estimation diagram****Utilisation factor table**

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |           |      |      |      |           |      |      |      |
|--------------|-------------------------------------------------------------|------|------|------|-----------|------|------|------|-----------|------|------|------|
|              | 0.80 0.80                                                   |      |      |      | 0.70 0.70 |      |      |      | 0.50 0.50 |      |      |      |
|              | 0.80                                                        | 0.80 | 0.50 | 0.50 | 0.70      | 0.70 | 0.50 | 0.50 | 0.30      | 0.30 | 0.10 | 0.00 |
| 0.60         | 0.57                                                        | 0.55 | 0.57 | 0.55 | 0.54      | 0.48 | 0.47 | 0.43 | 0.47      | 0.43 | 0.41 |      |
| 0.80         | 0.68                                                        | 0.64 | 0.67 | 0.65 | 0.63      | 0.57 | 0.56 | 0.52 | 0.56      | 0.52 | 0.50 |      |
| 1.00         | 0.77                                                        | 0.72 | 0.76 | 0.73 | 0.71      | 0.65 | 0.64 | 0.60 | 0.63      | 0.59 | 0.57 |      |
| 1.25         | 0.86                                                        | 0.78 | 0.84 | 0.81 | 0.78      | 0.72 | 0.71 | 0.67 | 0.70      | 0.67 | 0.65 |      |
| 1.50         | 0.92                                                        | 0.83 | 0.90 | 0.86 | 0.82      | 0.77 | 0.76 | 0.72 | 0.75      | 0.72 | 0.70 |      |
| 2.00         | 1.01                                                        | 0.90 | 0.98 | 0.94 | 0.89      | 0.85 | 0.84 | 0.81 | 0.83      | 0.80 | 0.78 |      |
| 2.50         | 1.07                                                        | 0.94 | 1.04 | 0.98 | 0.93      | 0.90 | 0.88 | 0.86 | 0.87      | 0.85 | 0.83 |      |
| 3.00         | 1.11                                                        | 0.97 | 1.08 | 1.02 | 0.96      | 0.93 | 0.92 | 0.89 | 0.90      | 0.88 | 0.86 |      |
| 4.00         | 1.16                                                        | 1.00 | 1.13 | 1.06 | 0.99      | 0.97 | 0.95 | 0.93 | 0.94      | 0.92 | 0.90 |      |
| 5.00         | 1.19                                                        | 1.02 | 1.15 | 1.08 | 1.01      | 0.99 | 0.97 | 0.96 | 0.96      | 0.94 | 0.92 |      |

Ceiling mounted

**UGR diagram****Luminance Table**

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 83456 | 74478 | 69761 | 68286 | 69761 | 74478 | 83456 |
| 50.0       | 64907 | 57427 | 53548 | 52342 | 53548 | 57427 | 64907 |
| 55.0       | 48217 | 42296 | 39265 | 38328 | 39265 | 42296 | 48217 |
| 60.0       | 34106 | 29659 | 27413 | 26722 | 27413 | 29659 | 34106 |
| 65.0       | 22883 | 19723 | 18148 | 17667 | 18148 | 19723 | 22883 |
| 70.0       | 14784 | 12626 | 11564 | 11242 | 11564 | 12626 | 14784 |
| 75.0       | 9001  | 7612  | 6939  | 6736  | 6939  | 7612  | 9001  |
| 80.0       | 4724  | 3953  | 3586  | 3475  | 3586  | 3953  | 4724  |
| 85.0       | 1425  | 1179  | 1063  | 1029  | 1063  | 1179  | 1425  |
| 90.0       | 14    | 12    | 11    | 10    | 11    | 12    | 14    |

(cd/m<sup>2</sup>)

2022-06-15