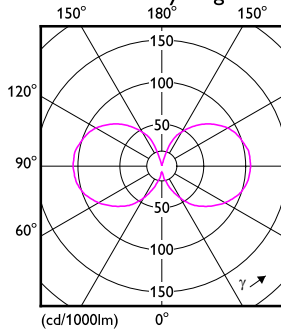


**1 x 9290030684 4.5W 5000K**

1 x 500 lm

Polar intensity diagram

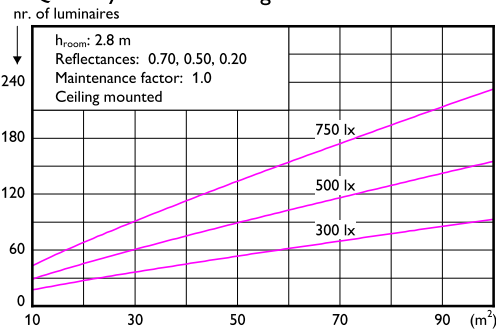


Light output ratio 1.00  
 Service upward 0.50  
 Service downward 0.50

CIE flux code 13 37 67 50 100

UGRcen (4Hx8H, 0.25H) 28

Quantity estimation diagram

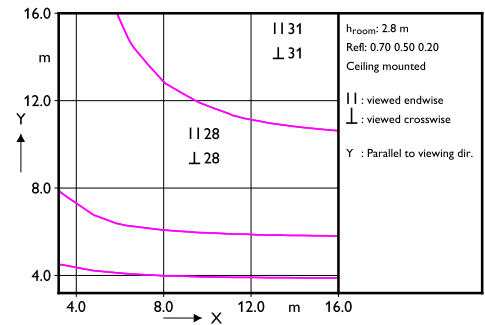


Utilisation factor table

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |      |      |      |      |      |      |      |      |
|--------------|-------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
|              | 0.80                                                        |      |      |      | 0.70 |      |      |      | 0.50 |      |      |      |
|              | 0.80                                                        | 0.50 | 0.30 | 0.10 | 0.80 | 0.50 | 0.30 | 0.10 | 0.80 | 0.50 | 0.30 | 0.10 |
| 0.60         | 0.32                                                        | 0.30 | 0.29 | 0.28 | 0.28 | 0.20 | 0.16 | 0.12 | 0.13 | 0.09 | 0.04 | 0.00 |
| 0.80         | 0.40                                                        | 0.38 | 0.37 | 0.36 | 0.35 | 0.27 | 0.22 | 0.17 | 0.17 | 0.13 | 0.06 | 0.00 |
| 1.00         | 0.48                                                        | 0.44 | 0.43 | 0.42 | 0.40 | 0.32 | 0.26 | 0.21 | 0.21 | 0.17 | 0.09 | 0.00 |
| 1.25         | 0.55                                                        | 0.50 | 0.50 | 0.48 | 0.46 | 0.38 | 0.31 | 0.26 | 0.25 | 0.21 | 0.11 | 0.00 |
| 1.50         | 0.61                                                        | 0.55 | 0.55 | 0.53 | 0.50 | 0.43 | 0.35 | 0.30 | 0.28 | 0.24 | 0.14 | 0.00 |
| 2.00         | 0.70                                                        | 0.62 | 0.63 | 0.60 | 0.57 | 0.50 | 0.41 | 0.36 | 0.33 | 0.29 | 0.18 | 0.00 |
| 2.50         | 0.76                                                        | 0.67 | 0.69 | 0.65 | 0.62 | 0.55 | 0.46 | 0.41 | 0.37 | 0.34 | 0.21 | 0.00 |
| 3.00         | 0.81                                                        | 0.71 | 0.73 | 0.69 | 0.65 | 0.59 | 0.49 | 0.45 | 0.40 | 0.37 | 0.24 | 0.00 |
| 4.00         | 0.88                                                        | 0.76 | 0.79 | 0.74 | 0.70 | 0.65 | 0.54 | 0.51 | 0.45 | 0.41 | 0.27 | 0.00 |
| 5.00         | 0.92                                                        | 0.79 | 0.83 | 0.78 | 0.73 | 0.68 | 0.58 | 0.54 | 0.48 | 0.45 | 0.30 | 0.00 |

Ceiling mounted

UGR diagram



Luminance Table

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 18653 | 16700 | 15668 | 15345 | 15668 | 16700 | 18653 |
| 50.0       | 20501 | 18194 | 16993 | 16618 | 16993 | 18194 | 20501 |
| 55.0       | 22460 | 19760 | 18372 | 17942 | 18372 | 19760 | 22460 |
| 60.0       | 24633 | 21481 | 19882 | 19390 | 19882 | 21481 | 24633 |
| 65.0       | 26760 | 23124 | 21305 | 20748 | 21305 | 23124 | 26760 |
| 70.0       | 29219 | 25010 | 22933 | 22301 | 22933 | 25010 | 29219 |
| 75.0       | 31503 | 26692 | 24354 | 23647 | 24354 | 26692 | 31503 |
| 80.0       | 34003 | 28494 | 25860 | 25070 | 25860 | 28494 | 34003 |
| 85.0       | 36495 | 30211 | 27261 | 26382 | 27261 | 30211 | 36495 |
| 90.0       | 39692 | 32408 | 29056 | 28066 | 29056 | 32408 | 39692 |

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

2021-07-19