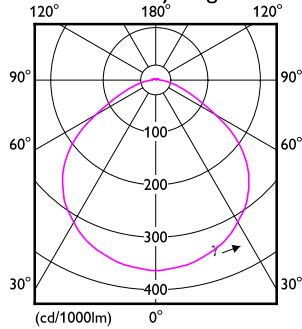


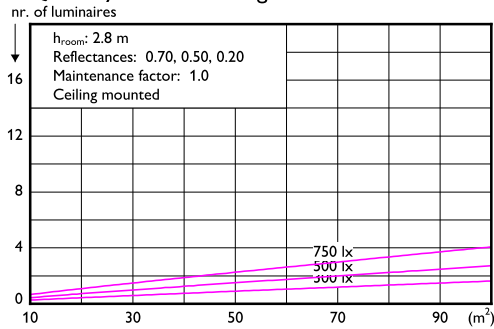
1 x HB 140W E39 WB 9290024736

1 x 20000 lm

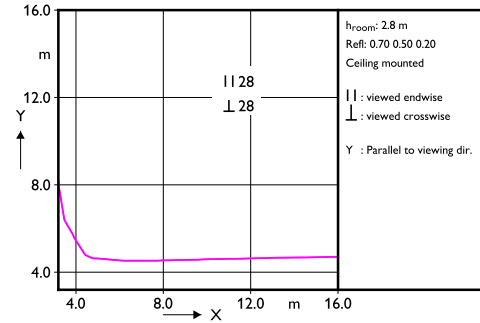
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Utilisation factor table

| Room<br>Index<br>k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |                     |      |      |      |           |      |           |      |  |      |
|--------------------|-------------------------------------------------------------|------|------|---------------------|------|------|------|-----------|------|-----------|------|--|------|
|                    | 0.80 0.80                                                   |      |      | 0.70 0.70 0.70 0.70 |      |      |      | 0.50 0.50 |      | 0.30 0.30 |      |  | 0.00 |
|                    | 0.50 0.50                                                   |      |      | 0.50 0.50 0.50 0.30 |      |      |      | 0.30 0.10 |      | 0.30 0.10 |      |  | 0.00 |
|                    | 0.30 0.10                                                   |      |      | 0.30 0.20 0.10 0.10 |      |      |      | 0.10 0.10 |      | 0.10 0.10 |      |  | 0.00 |
| 0.60               | 0.50                                                        | 0.47 | 0.49 | 0.48                | 0.47 | 0.39 | 0.39 | 0.34      | 0.38 | 0.34      | 0.32 |  |      |
| 0.80               | 0.61                                                        | 0.57 | 0.60 | 0.58                | 0.56 | 0.49 | 0.48 | 0.43      | 0.47 | 0.43      | 0.41 |  |      |
| 1.00               | 0.70                                                        | 0.65 | 0.68 | 0.66                | 0.64 | 0.57 | 0.56 | 0.51      | 0.55 | 0.51      | 0.48 |  |      |
| 1.25               | 0.79                                                        | 0.72 | 0.77 | 0.74                | 0.71 | 0.65 | 0.63 | 0.59      | 0.62 | 0.58      | 0.55 |  |      |
| 1.50               | 0.85                                                        | 0.77 | 0.83 | 0.79                | 0.76 | 0.70 | 0.69 | 0.64      | 0.67 | 0.64      | 0.61 |  |      |
| 2.00               | 0.95                                                        | 0.85 | 0.92 | 0.88                | 0.83 | 0.78 | 0.77 | 0.73      | 0.75 | 0.72      | 0.69 |  |      |
| 2.50               | 1.01                                                        | 0.89 | 0.98 | 0.93                | 0.88 | 0.84 | 0.82 | 0.79      | 0.80 | 0.77      | 0.74 |  |      |
| 3.00               | 1.06                                                        | 0.92 | 1.02 | 0.96                | 0.91 | 0.87 | 0.85 | 0.83      | 0.83 | 0.81      | 0.78 |  |      |
| 4.00               | 1.11                                                        | 0.96 | 1.07 | 1.01                | 0.95 | 0.92 | 0.90 | 0.87      | 0.88 | 0.86      | 0.82 |  |      |
| 5.00               | 1.15                                                        | 0.98 | 1.11 | 1.03                | 0.97 | 0.94 | 0.92 | 0.90      | 0.90 | 0.88      | 0.85 |  |      |

Ceiling mounted

Luminance Table

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 53294 | 47638 | 44658 | 43726 | 44658 | 47638 | 53294 |
| 50.0       | 46650 | 41338 | 38577 | 37718 | 38577 | 41338 | 46650 |
| 55.0       | 38562 | 33878 | 31474 | 30730 | 31474 | 33878 | 38562 |
| 60.0       | 28640 | 24941 | 23068 | 22492 | 23068 | 24941 | 28640 |
| 65.0       | 20054 | 17308 | 15936 | 15517 | 15936 | 17308 | 20054 |
| 70.0       | 14303 | 12229 | 11207 | 10897 | 11207 | 12229 | 14303 |
| 75.0       | 10159 | 8599  | 7842  | 7614  | 7842  | 8599  | 10159 |
| 80.0       | 6803  | 5697  | 5168  | 5010  | 5168  | 5697  | 6803  |
| 85.0       | 4158  | 3441  | 3104  | 3004  | 3104  | 3441  | 4158  |
| 90.0       | 2017  | 1647  | 1477  | 1426  | 1477  | 1647  | 2017  |

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

Light output ratio 1.00  
Service upward 0.03  
Service downward 0.97

CIE flux code 51 84 97 97 100

UGRcen (4Hx8H, 0.25H) 26

2024-05-11