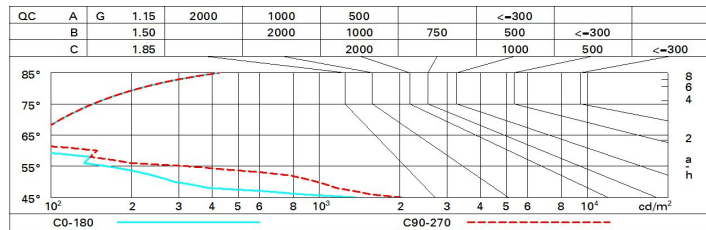




Utilisation factors

|      |    |    |    |    |    |    |    |    |     |
|------|----|----|----|----|----|----|----|----|-----|
| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
| K0.8 | 22 | 20 | 20 | 19 | 20 | 19 | 19 | 19 | 78  |
| 1.0  | 23 | 22 | 21 | 20 | 21 | 21 | 20 | 20 | 82  |
| 1.5  | 24 | 23 | 22 | 22 | 23 | 22 | 22 | 21 | 88  |
| 2.0  | 24 | 24 | 23 | 23 | 24 | 23 | 23 | 22 | 93  |
| 2.5  | 25 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 95  |
| 3.0  | 25 | 25 | 25 | 24 | 24 | 24 | 24 | 23 | 97  |
| 4.0  | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 99  |
| 5.0  | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 1050 lm bare lamp luminous flux) |      |                  |      |      |      |      |                |      |      |      |      |
|---|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflect.:   |      | viewed crosswise |      |      |      |      | viewed endwise |      |      |      |      |
| ceil/cav  |      | 0.70             | 0.70 | 0.50 | 0.50 | 0.30 | 0.70           | 0.70 | 0.50 | 0.50 | 0.30 |
| walls   |      | 0.50             | 0.30 | 0.50 | 0.30 | 0.30 | 0.50           | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl.  |      | 0.20             | 0.20 | 0.20 | 0.20 | 0.20 | 0.20           | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim  |      | viewed crosswise |      |      |      |      | viewed endwise |      |      |      |      |
| x   | y    |                  |      |      |      |      |                |      |      |      |      |
| 2H  | 2H   | 7.4              | 8.0  | 7.7  | 8.2  | 8.5  | 8.2            | 8.7  | 8.4  | 9.0  | 9.2  |
|   | 3H   | 7.3              | 7.8  | 7.6  | 8.1  | 8.3  | 8.0            | 8.5  | 8.3  | 8.8  | 9.1  |
|   | 4H   | 7.2              | 7.7  | 7.6  | 8.0  | 8.3  | 8.0            | 8.4  | 8.3  | 8.7  | 9.0  |
|   | 6H   | 7.2              | 7.6  | 7.5  | 7.9  | 8.2  | 7.9            | 8.3  | 8.2  | 8.6  | 9.0  |
|   | 8H   | 7.1              | 7.6  | 7.5  | 7.9  | 8.2  | 7.8            | 8.3  | 8.2  | 8.6  | 8.9  |
| 12H   | 7.1  | 7.5              | 7.5  | 7.9  | 8.2  | 7.8  | 8.2            | 8.2  | 8.5  | 8.9  |      |
| 4H  | 2H   | 7.2              | 7.7  | 7.5  | 8.0  | 8.3  | 8.0            | 8.4  | 8.3  | 8.7  | 9.0  |
|   | 3H   | 7.1              | 7.5  | 7.4  | 7.8  | 8.2  | 7.8            | 8.2  | 8.2  | 8.6  | 8.9  |
|   | 4H   | 7.0              | 7.3  | 7.4  | 7.7  | 8.1  | 7.7            | 8.1  | 8.1  | 8.5  | 8.8  |
|   | 6H   | 6.9              | 7.2  | 7.3  | 7.6  | 8.1  | 7.6            | 8.0  | 8.1  | 8.4  | 8.8  |
|   | 8H   | 6.9              | 7.2  | 7.3  | 7.6  | 8.0  | 7.6            | 7.9  | 8.0  | 8.3  | 8.7  |
| 12H   | 6.9  | 7.1              | 7.3  | 7.6  | 8.0  | 7.6  | 7.8            | 8.0  | 8.2  | 8.7  |      |
| 8H  | 4H   | 6.9              | 7.2  | 7.3  | 7.6  | 8.0  | 7.6            | 7.9  | 8.1  | 8.3  | 8.8  |
|   | 6H   | 6.8              | 7.0  | 7.3  | 7.5  | 8.0  | 7.5            | 7.8  | 8.0  | 8.2  | 8.7  |
|   | 8H   | 6.8              | 7.0  | 7.3  | 7.4  | 7.9  | 7.5            | 7.7  | 8.0  | 8.2  | 8.7  |
|   | 12H  | 6.8              | 7.0  | 7.3  | 7.4  | 8.0  | 7.5            | 7.6  | 8.0  | 8.1  | 8.6  |
| 12H   | 4H   | 6.8              | 7.1  | 7.3  | 7.5  | 8.0  | 7.6            | 7.9  | 8.1  | 8.3  | 8.7  |
|   | 6H   | 6.8              | 7.0  | 7.2  | 7.4  | 7.9  | 7.5            | 7.7  | 8.0  | 8.2  | 8.7  |
|   | 8H   | 6.7              | 6.9  | 7.2  | 7.4  | 7.9  | 7.5            | 7.7  | 8.0  | 8.2  | 8.7  |
| Variations with the observer position at spacing:         |      |                  |      |      |      |      |                |      |      |      |      |
| S =   | 1.0H | 5.3 / -10.2      |      |      |      |      | 4.8 / -10.3    |      |      |      |      |
|   | 1.5H | 8.1 / -10.5      |      |      |      |      | 7.6 / -11.2    |      |      |      |      |
|   | 2.0H | 10.1 / -10.7     |      |      |      |      | 9.6 / -11.4    |      |      |      |      |