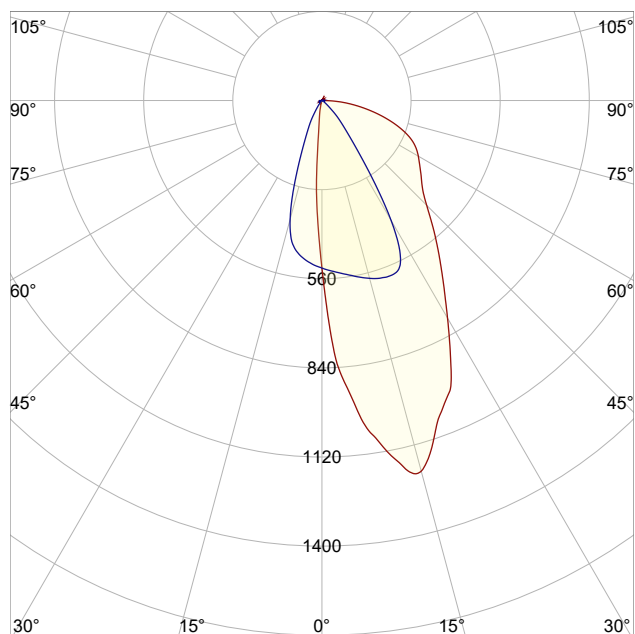
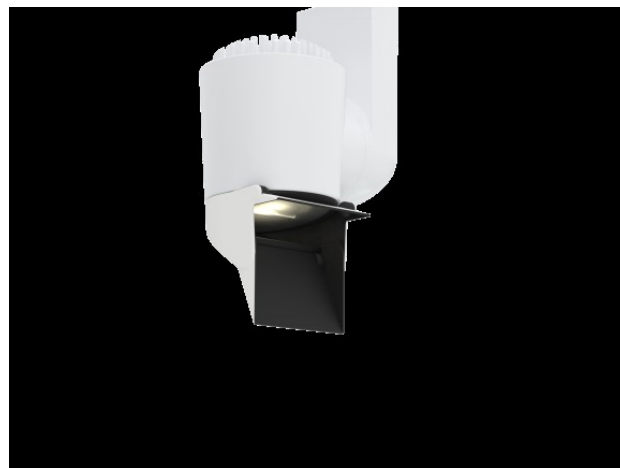
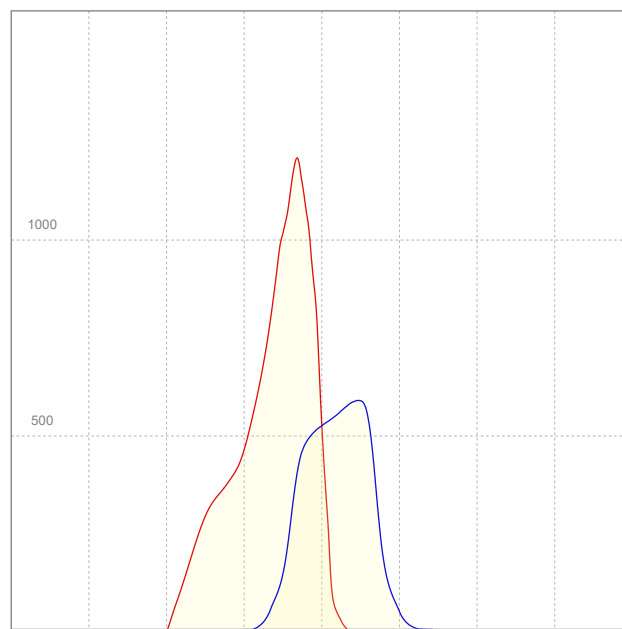


## General Discription

|                   |                    |
|-------------------|--------------------|
| Item number       |                    |
| Date and time     | 26-8-2025 16:41:28 |
| CCT (Kelvin)      | 3950 K             |
| Beam angle        | 36,5° x 50,5°      |
| Luminous flux     | 1123 lm            |
| Efficiency        | 42 lm/watt         |
| Weighted energy   | 27,1 kWh/1000h     |
| Power factor      | 0,95               |
| CRI (RA)          | 98,8               |
| Fidelity index Rf | Rf 96,7            |
| Gammut index Rg   | Rg 100,1           |
| Peak              | 1441 cd            |



Polar curve



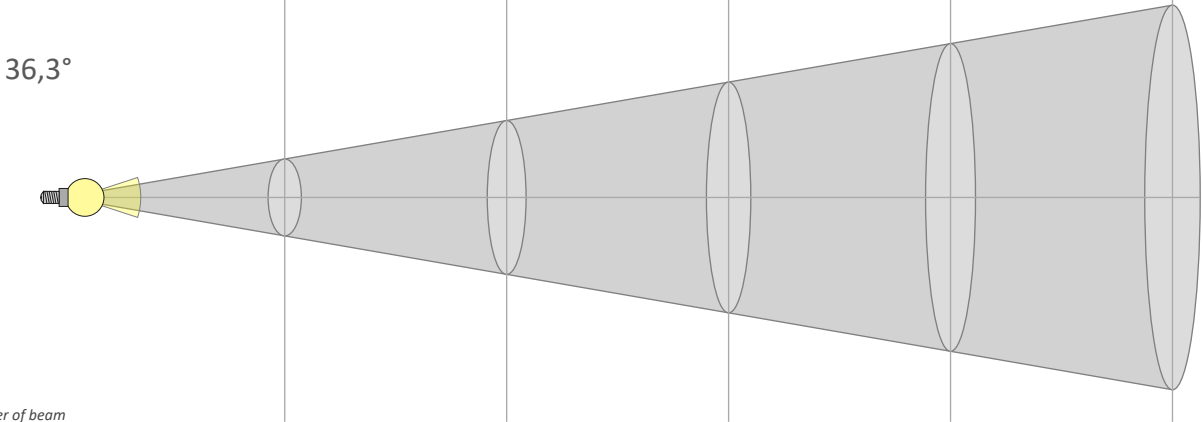
Linear distribution diagram

## LM-79

## Test Report

## LM79-JADE-WALLWASH-4000K-CRI98

| Beam details | 1m     | 2m     | 3m    | 4m    | 5m    |
|--------------|--------|--------|-------|-------|-------|
| Lux*         | 526 lx | 132 lx | 58 lx | 33 lx | 21 lx |

36,3°

\*measured at center of beam

|                    |          |          |         |         |         |
|--------------------|----------|----------|---------|---------|---------|
| Footcandles*       | 48,9 fcd | 12,2 fcd | 5,4 fcd | 3,1 fcd | 2,0 fcd |
| Beam width (meter) | 0,7 m    | 1,3 m    | 2 m     | 2,6 m   | 3,3 m   |
| Beam width (Feet)  | 2,1 ft   | 4,3 ft   | 6,4 ft  | 8,6 ft  | 10,7 ft |

| Beam intensities |         |        |        |        |        |      |        |        |        |        |        |        |        |        |        |        |        |        |        |
|------------------|---------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1m               | 2m      | 3m     | 4m     | 5m     | 6m     | 7m   | 8m     | 9m     | 10m    | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| 526lx            | 132lx   | 58lx   | 33lx   | 21lx   | 15lx   | 11lx | 8lx    | 6lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    |
| 3,3ft            | 6,6ft   | 9,8ft  | 13,1ft | 16,4ft | 19,7ft | 23ft | 26,2ft | 29,5ft | 32,8ft | 36,1ft | 39,4ft | 42,7ft | 45,9ft | 49,2ft | 52,5ft | 55,8ft | 59,1ft | 62,3ft | 65,6ft |
| 48,9fcd          | 12,2fcd | 5,4fcd | 3,1fcd | 2fcd   | 1,4fcd | 1fcd | 0,8fcd | 0,6fcd | 0,5fcd | 0,4fcd | 0,3fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd |

| Intensities in 0° c-plane |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0°                        | 2°   | 4°   | 6°   | 8°   | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26°  | 28°  | 30°  | 32°  | 34°  | 36°  | 38°  |
| 526                       | 717  | 862  | 951  | 1045 | 1104 | 1162 | 1208 | 1186 | 1129 | 1067 | 1027 | 992  | 924  | 854  | 789  | 731  | 680  | 634  | 592  |
| 100%                      | 136% | 164% | 181% | 199% | 210% | 221% | 230% | 225% | 215% | 203% | 195% | 189% | 176% | 162% | 150% | 139% | 129% | 120% | 112% |

| Intensities in 90° c-plane |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 0°                         | 2°   | 4°   | 6°   | 8°   | 10°  | 12°  | 14°  | 16°  | 18°  | 20°  | 22°  | 24°  | 26°  | 28° | 30° | 32° | 34° | 36° | 38° |
| 526                        | 533  | 538  | 545  | 552  | 559  | 567  | 575  | 582  | 587  | 590  | 591  | 585  | 563  | 513 | 433 | 335 | 244 | 178 | 134 |
| 100%                       | 101% | 102% | 104% | 105% | 106% | 108% | 109% | 111% | 112% | 112% | 112% | 111% | 107% | 97% | 82% | 64% | 46% | 34% | 25% |

| Intensities in 180° c-plane |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0°                          | 2°  | 4°  | 6°  | 8°  | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
| 526                         | 377 | 242 | 99  | 58  | 39  | 22  | 10  | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 100%                        | 72% | 46% | 19% | 11% | 7%  | 4%  | 2%  | 1%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%  | 0%  |

| Intensities in 270° c-plane |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0°                          | 2°  | 4°  | 6°  | 8°  | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
| 526                         | 520 | 512 | 503 | 491 | 476 | 454 | 413 | 354 | 283 | 213 | 160 | 122 | 96  | 76  | 54  | 37  | 25  | 17  | 11  |
| 100%                        | 99% | 97% | 96% | 93% | 91% | 86% | 78% | 67% | 54% | 41% | 30% | 23% | 18% | 14% | 10% | 7%  | 5%  | 3%  | 2%  |

|                |                 |                   |                              |                             |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 36,3°          | 77,3°           | 96,5°             | 83,8%                        | 66,3%                       |



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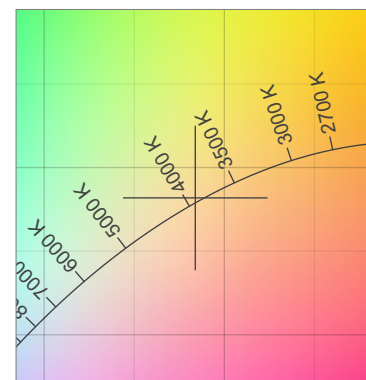
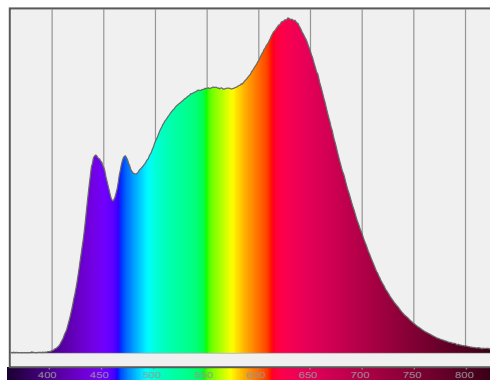
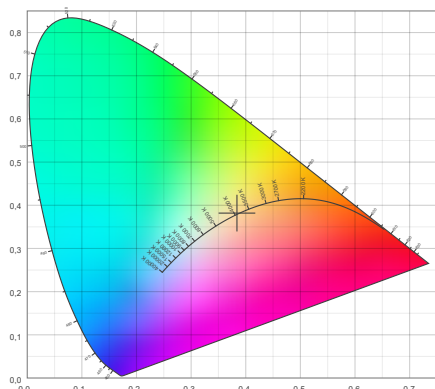
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# LM-79

## Test Report

### LM79-JADE-WALLWASH-4000K-CRI98

#### Color details



CIE 1931

x: 0,384

3950 K

y: 0,382

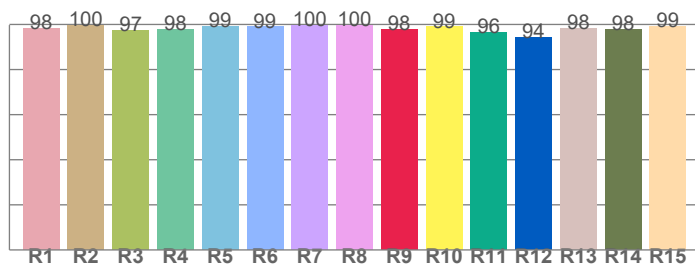
Spectra

CIE 1931 ZOOM

$\Delta uv$ : 0,0014

CRI: 98,8 (R1-R8)

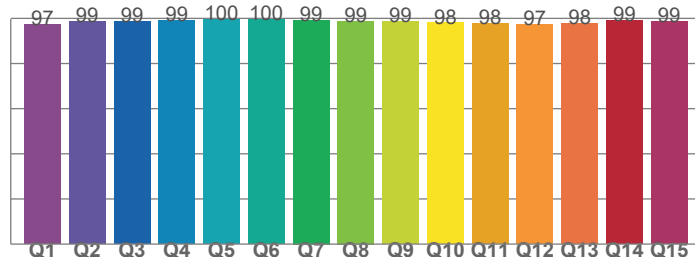
CRI values, R1-R8 are used to calculate final CRI value



| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   |
|------|------|------|------|------|------|------|------|
| 98,4 | 99,6 | 97,3 | 98,0 | 99,0 | 98,9 | 99,5 | 99,7 |
| R9   | R10  | R11  | R12  | R13  | R14  | R15  |      |
| 98,0 | 98,9 | 96,4 | 94,1 | 98,5 | 97,8 | 99,0 |      |

CQS: 98,3

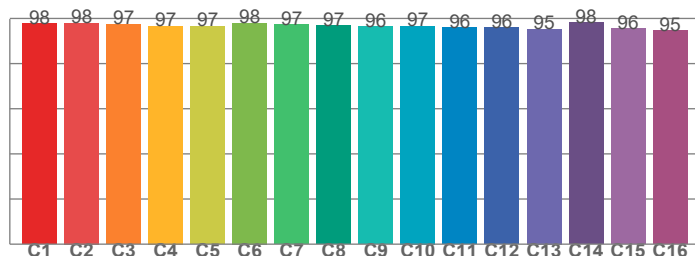
CQS values



| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   |
|------|------|------|------|------|------|------|------|
| 97,3 | 98,6 | 98,7 | 99,0 | 99,6 | 99,6 | 99,3 | 98,8 |
| Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |      |
| 98,5 | 98,0 | 97,8 | 97,2 | 97,6 | 99,2 | 98,5 |      |

TM30: 96,7

TM30 values, 16 binned values out of total of 99 values



| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   |
|------|------|------|------|------|------|------|------|
| 97,6 | 98,0 | 97,4 | 96,7 | 96,6 | 98,0 | 97,3 | 96,9 |
| C9   | C10  | C11  | C12  | C13  | C14  | C15  |      |
| 96,4 | 96,7 | 96,0 | 95,9 | 95,3 | 98,2 | 95,6 |      |

#### Color parameters

| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | $\Delta uv$                     |
| 3950 K            | 98,8                  | 98,0          | 96,7           | 100,1       | 98,3                | 0,384                     | 0,382                     | 0,225            | 0,336            | 0,0014                          |



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info@cls-led.com  
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# LM-79

## Test Report

### LM79-JADE-WALLWASH-4000K-CRI98

#### TM30 details

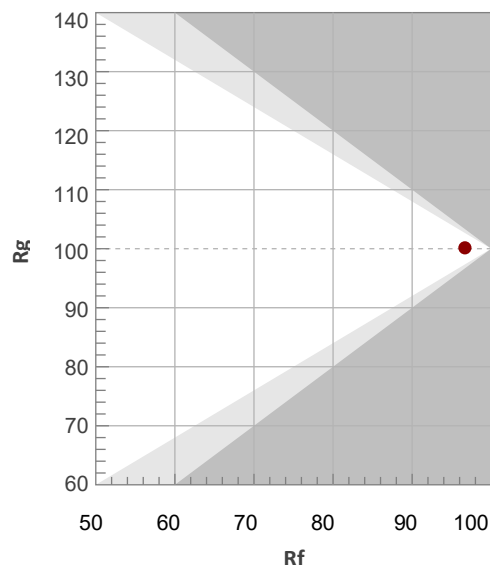
Rf 96,7

Fidelity index Rf

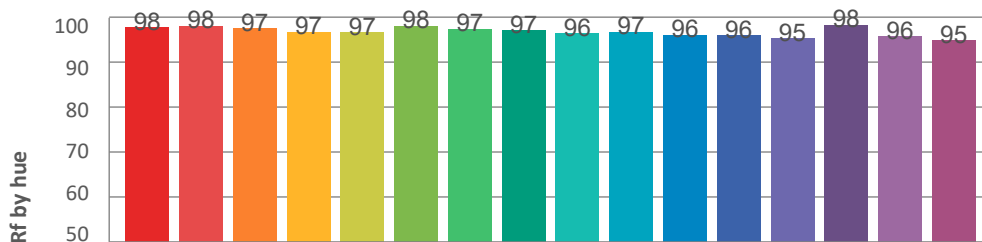
Rg 100,1

Gamut index Rg

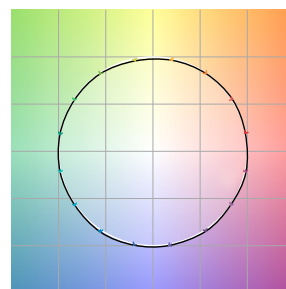
| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
|         |                | Chroma             | Hue |
| 1       | 98             | 0%                 | 0%  |
| 2       | 98             | 1%                 | -1% |
| 3       | 97             | 0%                 | -1% |
| 4       | 97             | -1%                | -2% |
| 5       | 97             | -2%                | 0%  |
| 6       | 98             | -1%                | 1%  |
| 7       | 97             | -1%                | 2%  |
| 8       | 97             | 0%                 | 2%  |
| 9       | 96             | 1%                 | 3%  |
| 10      | 97             | 1%                 | 2%  |
| 11      | 96             | 2%                 | 1%  |
| 12      | 96             | 1%                 | -1% |
| 13      | 95             | 1%                 | -3% |
| 14      | 98             | 2%                 | 0%  |
| 15      | 96             | 0%                 | -2% |
| 16      | 95             | 1%                 | -3% |



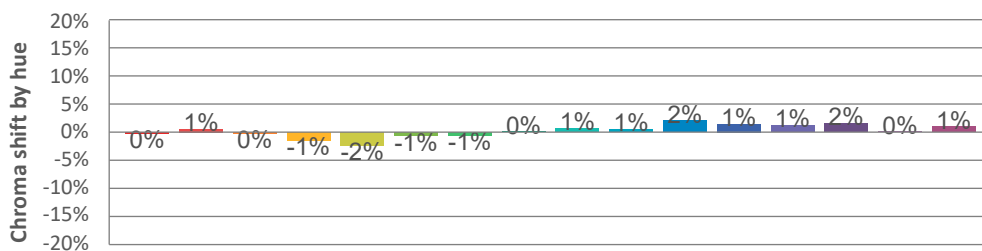
#### Hue binH



#### Color vector graphics



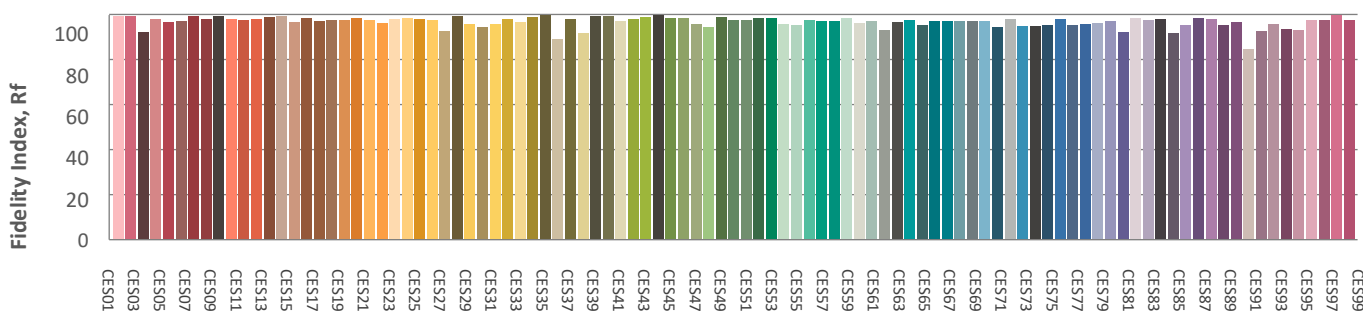
#### Hue bin



#### Color distortion graphics



#### Color Evaluation Sample



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info@cls-led.com  
www.cls-led.com

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## LM79-JADE-WALLWASH-4000K-CRI98

## Glare Evaluation According to UGR

|                                                                 |                                                |     |     |     |     |                                         |     |     |     |     |
|-----------------------------------------------------------------|------------------------------------------------|-----|-----|-----|-----|-----------------------------------------|-----|-----|-----|-----|
| p Ceiling                                                       | 70                                             | 70  | 50  | 50  | 30  | 70                                      | 70  | 50  | 50  | 30  |
| p Walls                                                         | 50                                             | 30  | 50  | 30  | 30  | 50                                      | 30  | 50  | 30  | 30  |
| p Floor                                                         | 20                                             | 20  | 20  | 20  | 20  | 20                                      | 20  | 20  | 20  | 20  |
| Room size<br>X      Y                                           | Viewing direction at right angles to lamp axis |     |     |     |     | Viewing direction parallel to lamp axis |     |     |     |     |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| n/a                                                             | n/a                                            | n/a | n/a | n/a | n/a | n/a                                     | n/a | n/a | n/a | n/a |
| Variation of the observer position for the luminaire distance S |                                                |     |     |     |     |                                         |     |     |     |     |
| n/a                                                             | n/a                                            |     |     |     |     | n/a                                     |     |     |     |     |
| n/a                                                             | n/a                                            |     |     |     |     | n/a                                     |     |     |     |     |
| n/a                                                             | n/a                                            |     |     |     |     | n/a                                     |     |     |     |     |
| Standard table                                                  | n/a                                            |     |     |     |     | n/a                                     |     |     |     |     |
| Correction summand                                              | n/a                                            |     |     |     |     | n/a                                     |     |     |     |     |
| Corrected glare indices referring to 1123lm total luminous flux |                                                |     |     |     |     |                                         |     |     |     |     |



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