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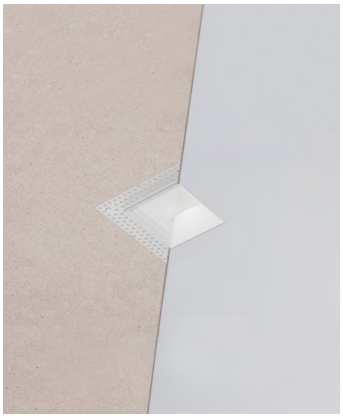
# Photometric Testing Report

**Light efficiency:**
75 Lumen/Watt

**Color temperature:**
3088 K

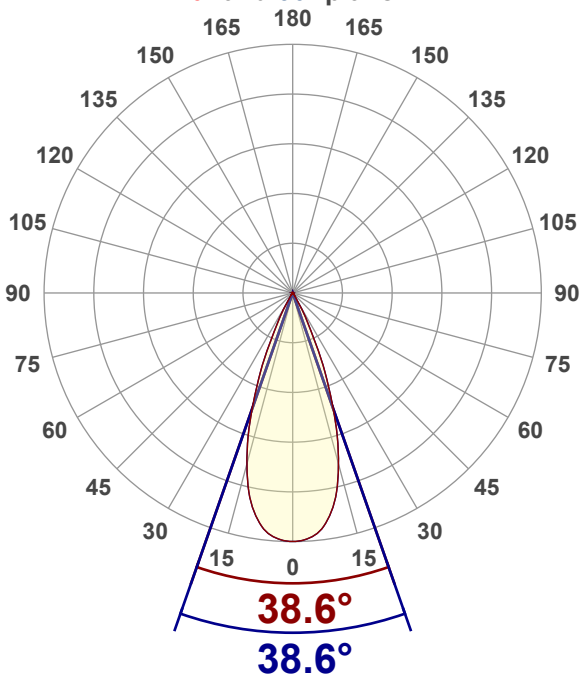
**Light quality:**
CRI:93.0, $R_g$:102.9, $R_f$:91.2
R9: 70.9 / P: 2 / V: - / F: 2

| | |
|---|---|
| **Output:** | **1531 lm** |
| Peak: | 3823 cd |
| Power: | 20.4 W |
| Voltage: | 119 V |
| Current: | 0.172 A |
| PF: | 0.99 |
| THD: | 6.51 % |



## Angular Distribution

0° and 90° plane




**Product name:**
**S251XX-E30MC-TX-XX**

**Test Date:**
**8/25/2026**

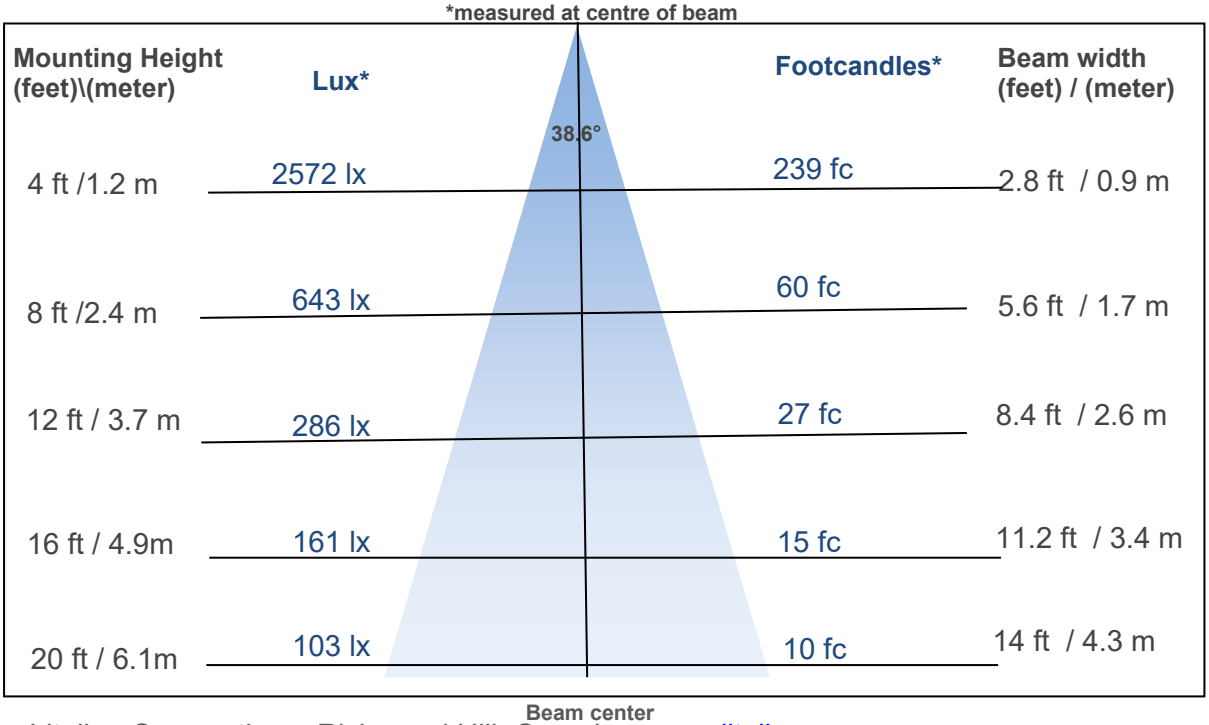
**Beam Angle (50% of the brightness of the centre):**
**38.6°**

**Field Angle (10% of the brightness of the centre):**
**56.8°**

**Cut Off Angle (2.5% of the brightness of the centre):**
**64.4°**

## Beam Details

*measured at centre of beam



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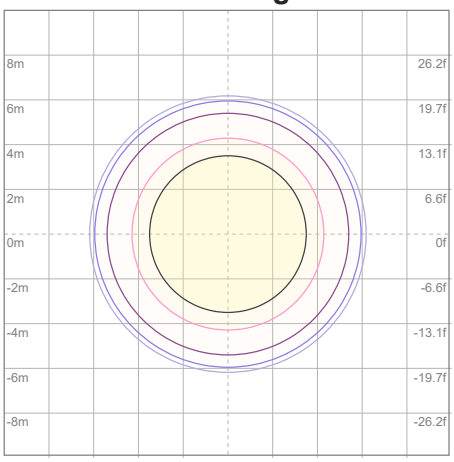
S251XX-E30MC-TX-XX

# Photometric Testing Report

## Zonal Lumen Summary

| Zone | Lumen | %Luminaire |
|---|---|---|
| 0-30 | 1471 | 96.08% |
| 0-40 | 1505 | 98.30% |
| 0-60 | 1525 | 99.61% |
| 60-90 | 5.17 | 0.34% |
| 70-100 | 0.975 | 0.06% |
| 90-120 | 0.080 | 0.01% |
| 0-90 | 1530 | 99.93% |
| 90-180 | 0.845 | 0.06% |
| 0-180 | 1531 | 100.00% |

## ISO Lux Diagram




Mounting height: 3.05 meters (10 feet)

| Lux at center: | 411 lx |
|---|---|
| 3% | 12.33 lx |
| 5% | 20.55 lx |
| 10% | 41.10 lx |
| 30% | 123.30 lx |
| 50% | 205.50 lx |

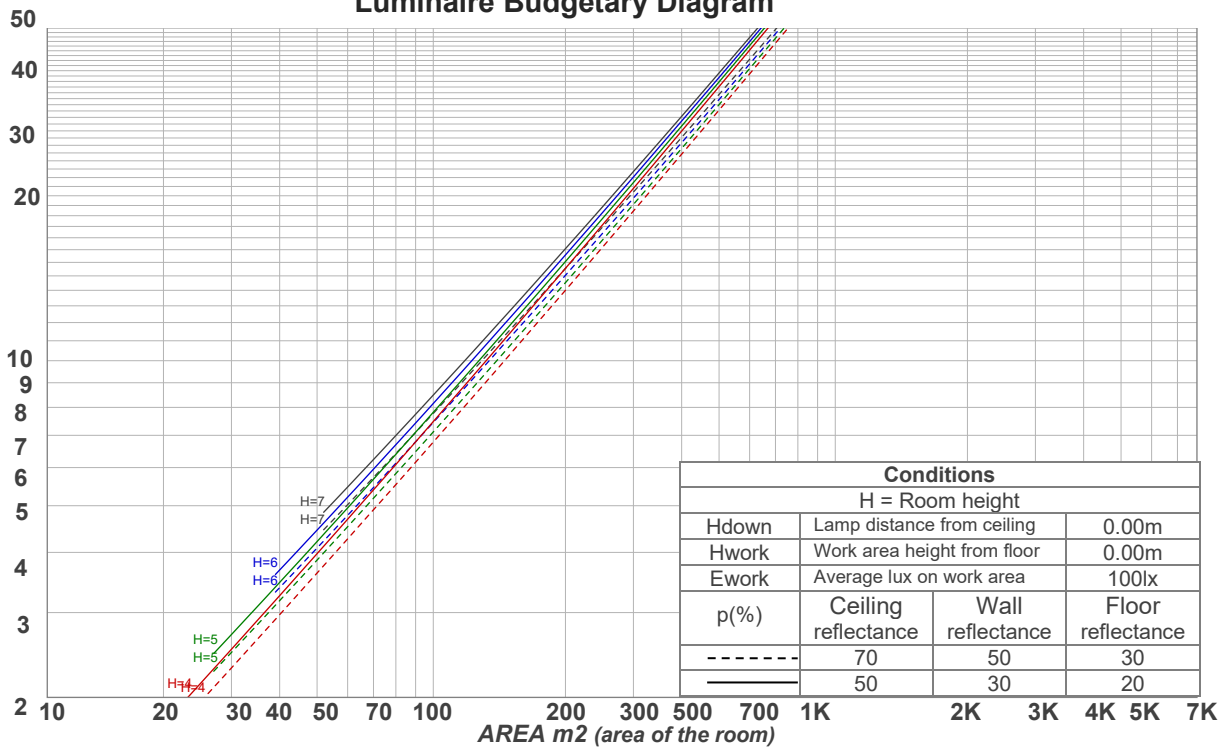
Conditions:
Number of planes: 8
Lux distribution on a surface when lamp is mounted at 3.05 meters from the surface.

## Coefficients of Utilization

| Ceiling reflectance | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wall reflectance | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| Floor reflectance | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| **RCR** | (RCR: Room Cavity Ratio) | | | | Room Values are expressed as percentage of Lumens delivered to the task surface | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 115 | 112 | 110 | 108 | 112 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 101 | 100 | 99 | 98 | 98 | 96 |
| 2 | 110 | 107 | 103 | 101 | 108 | 105 | 102 | 99 | 102 | 99 | 97 | 99 | 97 | 95 | 96 | 95 | 93 | 92 |
| 3 | 106 | 101 | 98 | 94 | 105 | 100 | 97 | 94 | 98 | 95 | 92 | 95 | 93 | 91 | 93 | 91 | 89 | 88 |
| 4 | 103 | 97 | 93 | 89 | 101 | 96 | 92 | 89 | 94 | 90 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 85 |
| 5 | 99 | 93 | 88 | 85 | 98 | 92 | 88 | 85 | 90 | 87 | 84 | 89 | 86 | 83 | 87 | 85 | 82 | 81 |
| 6 | 96 | 89 | 84 | 81 | 95 | 88 | 84 | 81 | 87 | 83 | 80 | 86 | 82 | 80 | 84 | 82 | 79 | 78 |
| 7 | 93 | 86 | 81 | 78 | 92 | 85 | 81 | 78 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 76 | 75 |
| 8 | 90 | 82 | 78 | 75 | 89 | 82 | 78 | 75 | 81 | 77 | 74 | 80 | 77 | 74 | 79 | 76 | 74 | 73 |
| 9 | 87 | 79 | 75 | 72 | 86 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 77 | 73 | 71 | 70 |
| 10 | 84 | 77 | 72 | 69 | 83 | 76 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 69 | 74 | 71 | 69 | 68 |

## Luminaire Budgetary Diagram

*LAMPS (number of lamps)*




| Conditions | | | |
|---|---|---|---|
| H = Room height | | | |
| Hdown | Lamp distance from ceiling | | 0.00m |
| Hwork | Work area height from floor | | 0.00m |
| Ework | Average lux on work area | | 100lx |
| p(%) | Ceiling reflectance | Wall reflectance | Floor reflectance |
| - - - - - - - | 70 | 50 | 30 |
| ——— | 50 | 30 | 20 |

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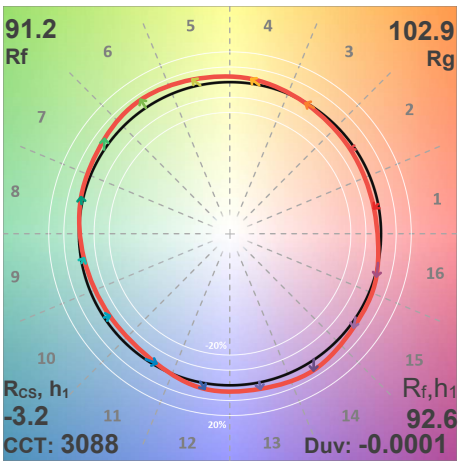
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S251XX-E30MC-TX-XX

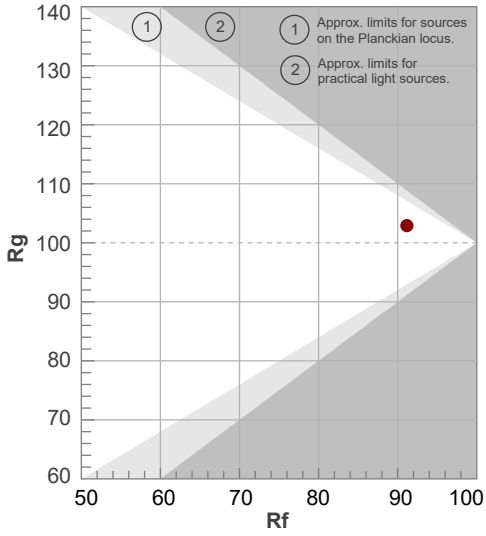
Liteline

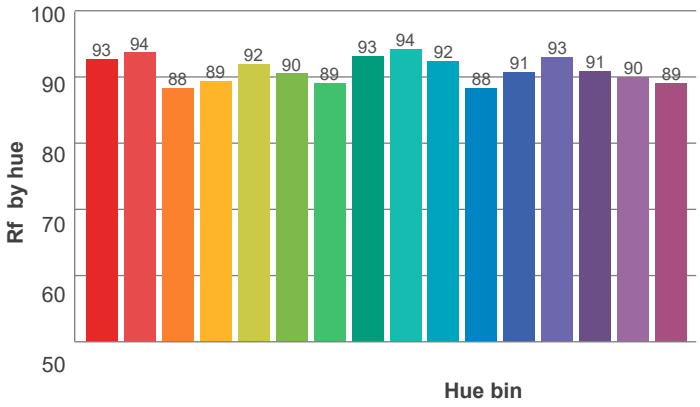
# Photometric Testing Report

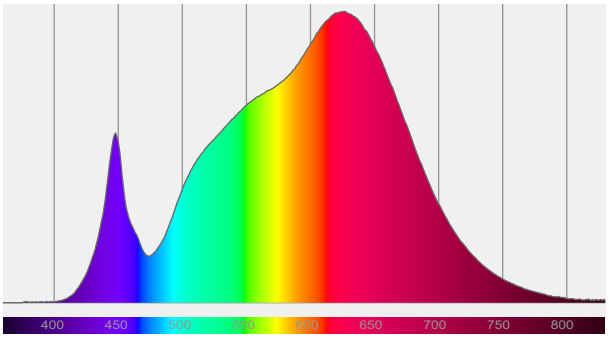
**ANSI/IES TM-30-18** P: **2** / V: **-** / F: **2**

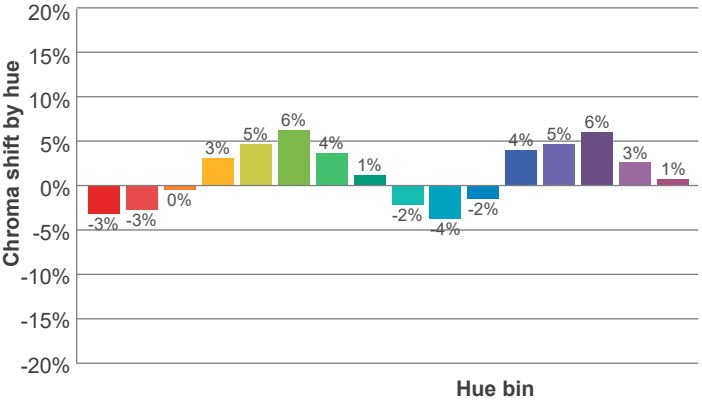



| | | Shifts (%) | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 93 | -3% | -2% |
| 2 | 94 | -3% | 2% |
| 3 | 88 | 0% | 6% |
| 4 | 89 | 3% | 6% |
| 5 | 92 | 5% | 4% |
| 6 | 90 | 6% | 0% |
| 7 | 89 | 4% | -6% |
| 8 | 93 | 1% | -4% |
| 9 | 94 | -2% | -3% |
| 10 | 92 | -4% | 1% |
| 11 | 88 | -2% | 7% |
| 12 | 91 | 4% | 4% |
| 13 | 93 | 5% | 0% |
| 14 | 91 | 6% | -4% |
| 15 | 90 | 3% | -6% |
| 16 | 89 | 1% | -9% |




Red: 38.8%, Power=16.6mW

Blue: 6.7%, Power=5.2mW

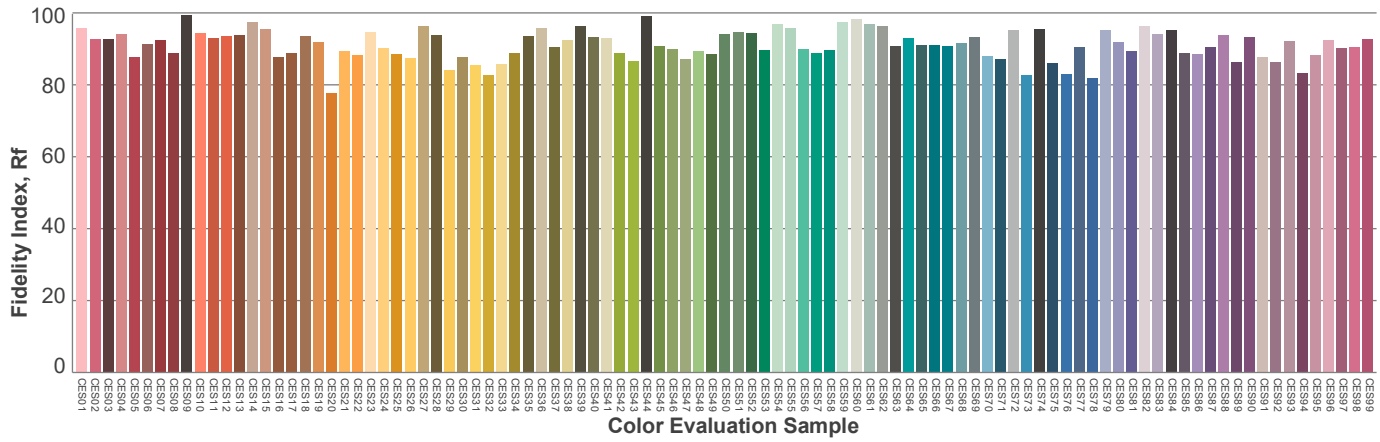
Green: 24.9%, Power=19.2mW

UVA: 0%, Power=0.0mW

Dominant Wavelength:583nm

1st Peak Wavelength: 626nm

2nd Peak Wavelength:448nm



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## Glare Evaluation According to UGR

Corrected, comprehensive UGR table according to 117-1995, S/H ratio=0.25

| 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>H = mouting height above eye level<br>X | Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 13.3 | 13.7 | 13.3 | 13.9 | 14.1 | 13.3 | 13.7 | 13.3 | 13.9 | 14.1 |
| | 3H | 13.1 | 13.7 | 13.5 | 13.9 | 14.1 | 13.1 | 13.7 | 13.5 | 13.9 | 14.1 |
| | 4H | 13.0 | 13.6 | 13.4 | 13.9 | 14.1 | 13.0 | 13.6 | 13.4 | 13.9 | 14.1 |
| | 6H | 13.0 | 13.5 | 13.3 | 13.8 | 14.2 | 13.0 | 13.5 | 13.3 | 13.8 | 14.2 |
| | 8H | 13.0 | 13.5 | 13.3 | 13.8 | 14.2 | 13.0 | 13.5 | 13.3 | 13.8 | 14.2 |
| | 12H | 12.9 | 13.4 | 13.3 | 13.8 | 14.2 | 12.9 | 13.4 | 13.3 | 13.8 | 14.2 |
| 4H | 2H | 13.0 | 13.7 | 13.4 | 13.9 | 14.1 | 13.0 | 13.7 | 13.4 | 13.9 | 14.1 |
| | 3H | 13.1 | 13.6 | 13.5 | 13.9 | 14.4 | 13.1 | 13.6 | 13.5 | 13.9 | 14.4 |
| | 4H | 13.0 | 13.4 | 13.4 | 13.9 | 14.4 | 13.0 | 13.4 | 13.4 | 13.9 | 14.4 |
| | 6H | 12.9 | 13.4 | 13.4 | 13.7 | 14.1 | 12.9 | 13.4 | 13.4 | 13.7 | 14.1 |
| | 8H | 12.9 | 13.3 | 13.4 | 13.7 | 14.0 | 12.9 | 13.3 | 13.4 | 13.7 | 14.0 |
| | 12H | 12.8 | 13.2 | 13.3 | 13.6 | 14.0 | 12.8 | 13.2 | 13.3 | 13.6 | 14.0 |
| 8H | 4H | 12.9 | 13.3 | 13.4 | 13.7 | 14.0 | 12.9 | 13.3 | 13.4 | 13.7 | 14.0 |
| | 6H | 12.8 | 13.1 | 13.3 | 13.6 | 14.1 | 12.8 | 13.1 | 13.3 | 13.6 | 14.1 |
| | 8H | 12.8 | 13.1 | 13.3 | 13.6 | 14.2 | 12.8 | 13.1 | 13.3 | 13.6 | 14.2 |
| | 12H | 12.8 | 13.0 | 13.4 | 13.5 | 14.1 | 12.8 | 13.0 | 13.4 | 13.5 | 14.1 |
| 12H | 4H | 12.8 | 13.2 | 13.3 | 13.6 | 14.0 | 12.8 | 13.2 | 13.3 | 13.6 | 14.0 |
| | 6H | 12.8 | 13.0 | 13.3 | 13.6 | 14.2 | 12.8 | 13.0 | 13.3 | 13.6 | 14.2 |
| | 8H | 12.8 | 13.0 | 13.4 | 13.5 | 14.1 | 12.8 | 13.0 | 13.4 | 13.5 | 14.1 |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1.0H | | 5.5 / -3.6 | | | | | 5.5 / -3.6 | | | | |
| S = 1.5H | | 8.1 / -4.8 | | | | | 8.1 / -4.8 | | | | |
| S = 2.0H | | 10.0 / -8.0 | | | | | 10.0 / -8.0 | | | | |
| Corrected glare indices referring to 1531 lm total luminous flux | | | | | | | | | | | |