

## Light efficiency:

**107 Lumen/Watt****Output: 3965 lm**

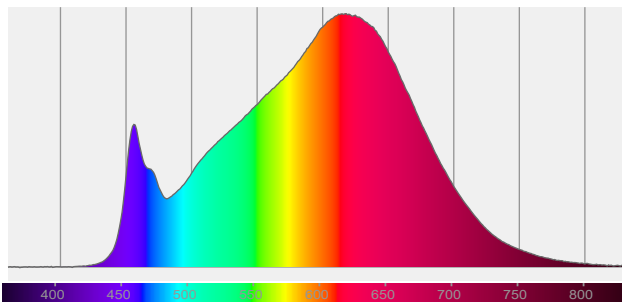
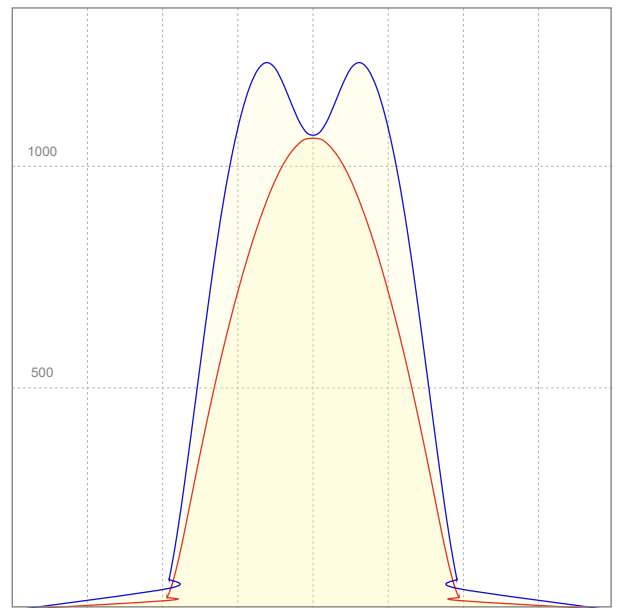
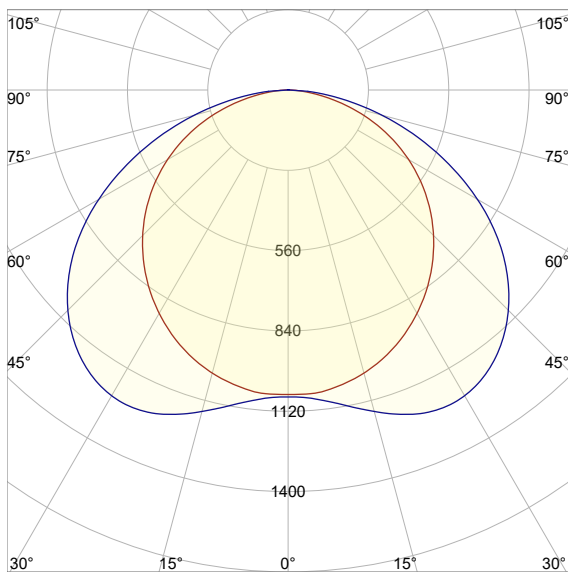
## Light quality:

**CRI: 92.3****Peak: 1234 cd**

## Color temperature:

**2976 K****Power: 37.1 W****PF: 1.0**

No photo



## Product name:

**EDGESolo Batwing 65°**

## Item number:

**ESO275**

## Configuration:

**ESO275-4FT-3590-AL-DB65-1000LPP**

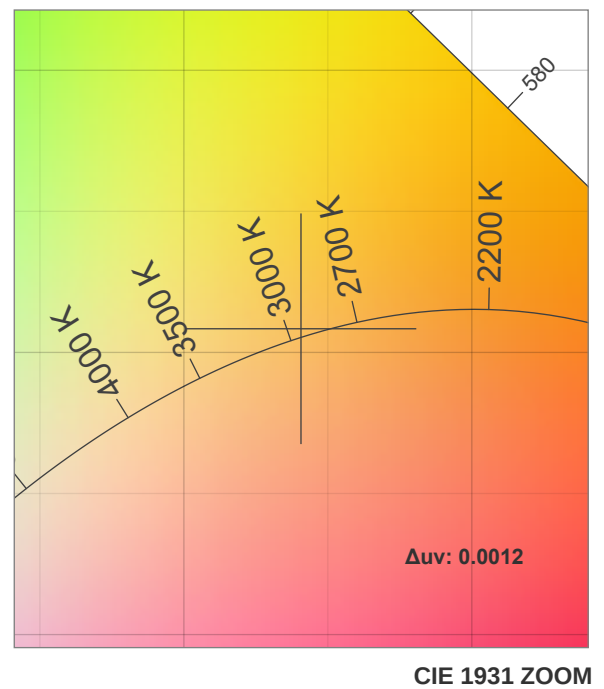
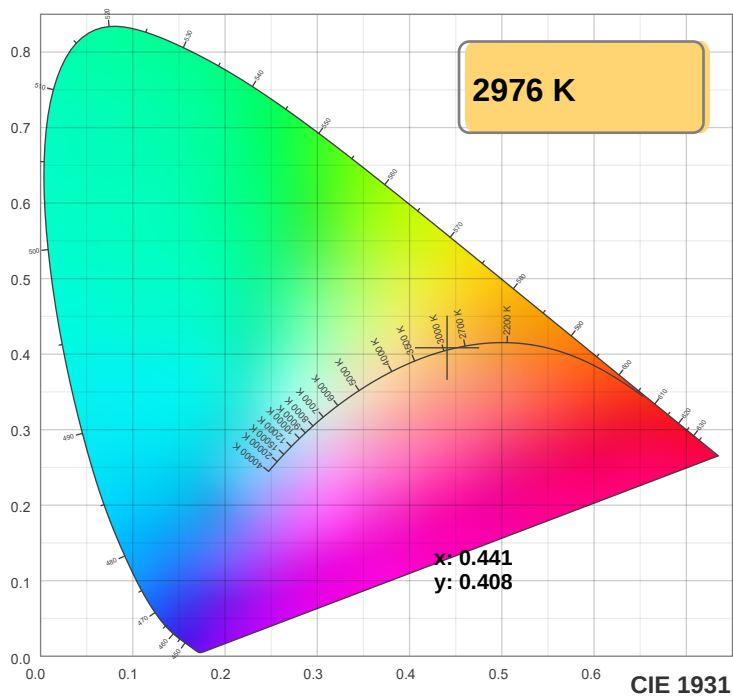
## Date and time:

**11/8/2021 3:13:34 PM**

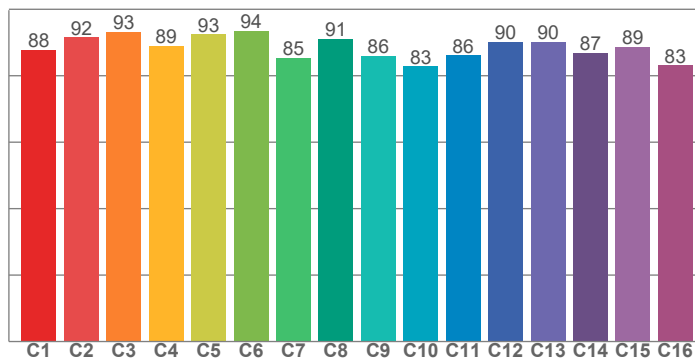
## Description:

**Power Supply @ 1150mA**

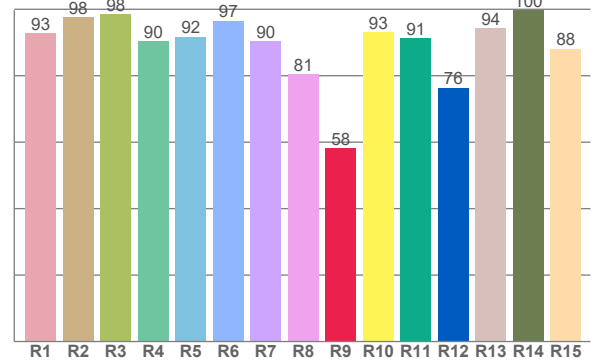
## Color Details



TM-30: 88.6



CRI: 92.3 (R1-R8)



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

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.8 | 97.6 | 98.5 | 90.4 | 91.8 | 96.5 | 90.4 | 80.5 | 58.1 | 93.1 | 91.2 | 76.4 | 94.3 | 99.8 | 88.1 |

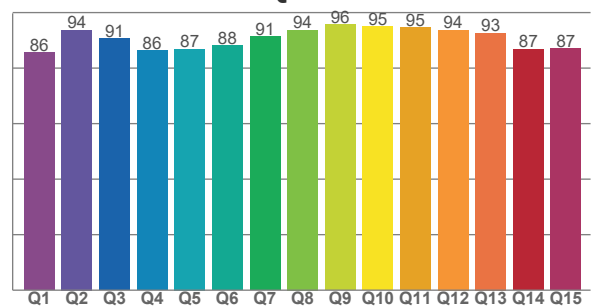
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 87.7 | 91.6 | 93.2 | 89.1 | 92.5 | 93.5 | 85.5 | 91.1 | 86.0 | 82.8 | 86.1 | 90.1 | 90.3 | 86.8 | 88.7 | 83.1 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 85.6 | 93.8 | 90.6 | 86.3 | 86.9 | 88.1 | 91.4 | 93.8 | 95.6 | 95.0 | 94.6 | 93.7 | 92.7 | 86.8 | 87.1 |

CQS: 90.0



## 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                | Δuv                             |
| 2976 K            | 92.3                  | 58.1          | 88.6           | 95.1        | 90.0                | 0.441                     | 0.408                     | 0.251            | 0.349            | 0.0012                          |

## TM-30 Details

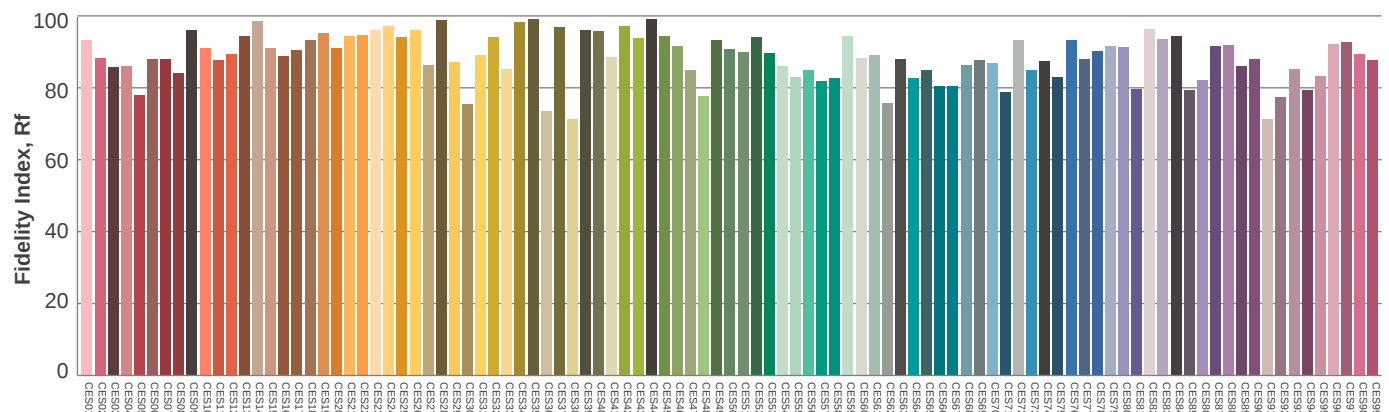
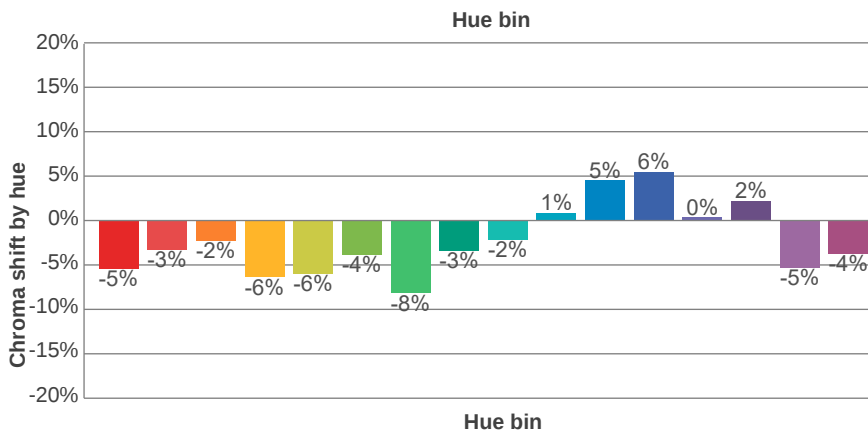
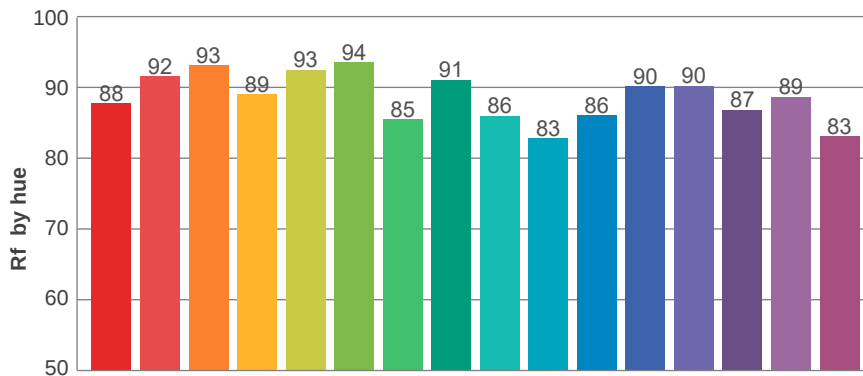
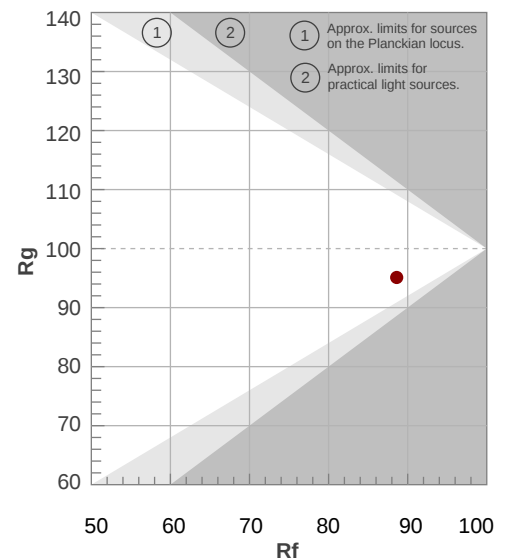
**Rf 88.6**

Fidelity index Rf

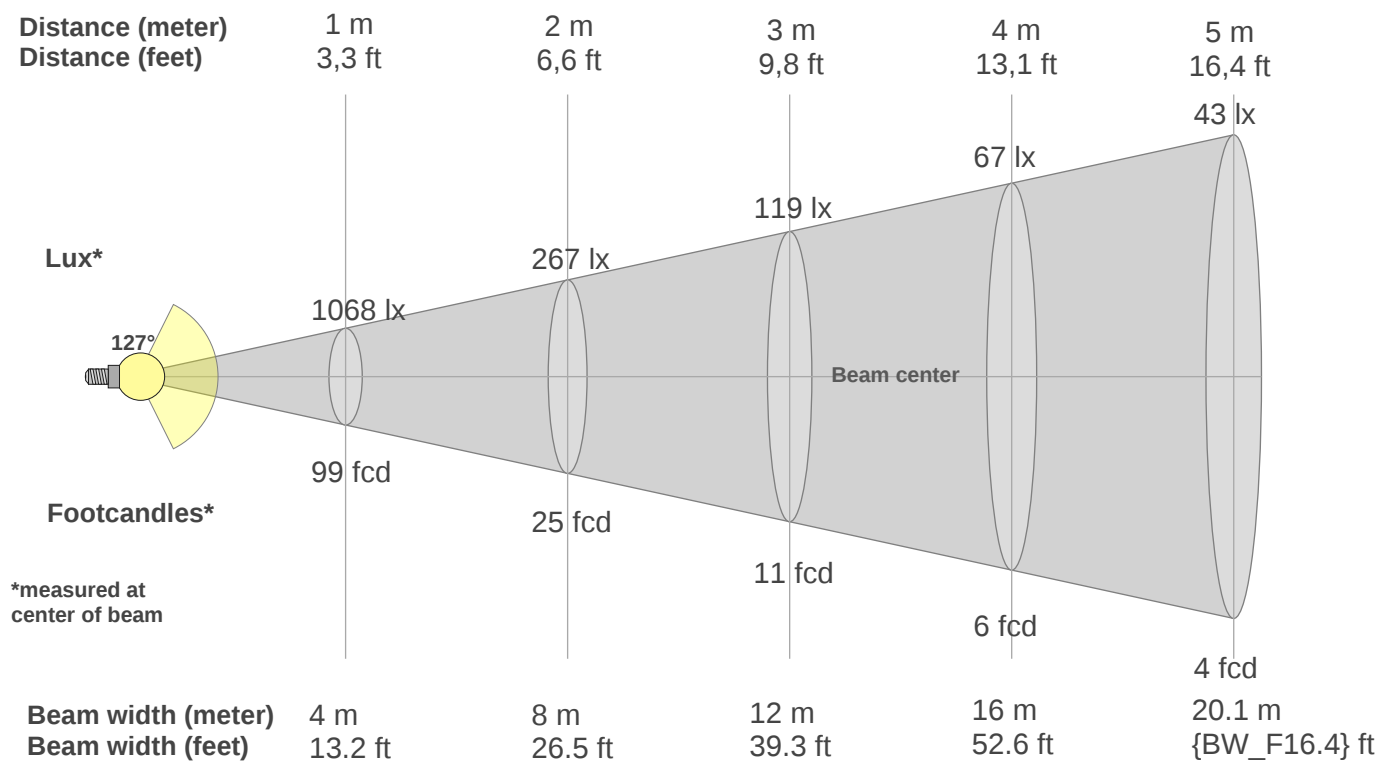
**Rg 95.1**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |      |
|---------|----------------|------------|------|
|         |                | Chroma     | Hue  |
| 1       | 88             | -5%        | 2%   |
| 2       | 92             | -3%        | 2%   |
| 3       | 93             | -2%        | 2%   |
| 4       | 89             | -6%        | -3%  |
| 5       | 93             | -6%        | 0%   |
| 6       | 94             | -4%        | 0%   |
| 7       | 85             | -8%        | 4%   |
| 8       | 91             | -3%        | 5%   |
| 9       | 86             | -2%        | 9%   |
| 10      | 83             | 1%         | 11%  |
| 11      | 86             | 5%         | 10%  |
| 12      | 90             | 6%         | -1%  |
| 13      | 90             | 0%         | -7%  |
| 14      | 87             | 2%         | -10% |
| 15      | 89             | -5%        | -1%  |
| 16      | 83             | -4%        | -12% |



## Beam details



## Beam intensities from 1-20m

| 1m      | 2m      | 3m    | 4m     | 5m     | 6m     | 7m   | 8m     | 9m     | 10m    | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
|---------|---------|-------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 |
| 1068lx  | 267lx   | 119lx | 67lx   | 43lx   | 30lx   | 22lx | 17lx   | 13lx   | 11lx   | 9lx    | 7lx    | 6lx    | 5lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    | 3lx    |
| 99.2fcd | 24.8fcd | 11fcd | 6.2fcd | 4fcd   | 2.8fcd | 2fcd | 1.6fcd | 1.2fcd | 1fcd   | 0.8fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.3fcd | 0.2fcd |

## Intensities in 0° c-plane

| 0°   | 5°   | 10°  | 15°  | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1068 | 1059 | 1045 | 1021 | 988 | 947 | 898 | 844 | 783 | 717 | 645 | 568 | 485 | 397 | 305 | 211 | 121 | 49  | 20  | 18  |
| 100% | 99%  | 98%  | 96%  | 93% | 89% | 84% | 79% | 73% | 67% | 60% | 53% | 45% | 37% | 29% | 20% | 11% | 5%  | 2%  | 2%  |

## Intensities in 90° c-plane

| 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1068 | 1084 | 1116 | 1160 | 1201 | 1227 | 1227 | 1202 | 1153 | 1083 | 994 | 886 | 761 | 623 | 480 | 338 | 203 | 89  | 46  | 43  |
| 100% | 101% | 105% | 109% | 113% | 115% | 115% | 113% | 108% | 101% | 93% | 83% | 71% | 58% | 45% | 32% | 19% | 8%  | 4%  | 4%  |

## Intensities in 180° c-plane

| 0°   | 5°   | 10°  | 15°  | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1068 | 1059 | 1045 | 1021 | 988 | 947 | 898 | 844 | 783 | 717 | 645 | 568 | 485 | 397 | 305 | 211 | 121 | 49  | 20  | 18  |
| 100% | 99%  | 98%  | 96%  | 93% | 89% | 84% | 79% | 73% | 67% | 60% | 53% | 45% | 37% | 29% | 20% | 11% | 5%  | 2%  | 2%  |

## Intensities in 270° c-plane

| 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1068 | 1084 | 1116 | 1160 | 1201 | 1227 | 1227 | 1202 | 1153 | 1083 | 994 | 886 | 761 | 623 | 480 | 338 | 203 | 89  | 46  | 43  |
| 100% | 101% | 105% | 109% | 113% | 115% | 115% | 113% | 108% | 101% | 93% | 83% | 71% | 58% | 45% | 32% | 19% | 8%  | 4%  | 4%  |

UGR

## 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<br>lamp axis |      |      |      |      | Viewing direction parallel to lamp axis |      |      |      |      |
| 2H                                                                             | 2H  | 21.3                                              | 22.6 | 21.6 | 22.9 | 23.1 | 23.4                                    | 24.7 | 23.7 | 25.0 | 25.3 |
|                                                                                | 3H  | 22.7                                              | 24.0 | 23.1 | 24.3 | 24.5 | 25.1                                    | 26.4 | 25.5 | 26.7 | 26.9 |
|                                                                                | 4H  | 23.3                                              | 24.5 | 23.7 | 24.8 | 25.1 | 25.7                                    | 27.0 | 26.2 | 27.3 | 27.5 |
|                                                                                | 6H  | 23.7                                              | 24.8 | 24.0 | 25.1 | 25.5 | 26.3                                    | 27.4 | 26.6 | 27.7 | 28.1 |
|                                                                                | 8H  | 23.8                                              | 24.9 | 24.2 | 25.2 | 25.6 | 26.5                                    | 27.6 | 26.8 | 27.9 | 28.3 |
|                                                                                | 12H | 23.9                                              | 24.9 | 24.3 | 25.3 | 25.7 | 26.6                                    | 27.6 | 26.9 | 27.9 | 28.4 |
| 4H                                                                             | 2H  | 22.4                                              | 23.7 | 22.8 | 23.9 | 24.2 | 24.0                                    | 25.2 | 24.4 | 25.5 | 25.8 |
|                                                                                | 3H  | 24.0                                              | 25.1 | 24.4 | 25.4 | 25.9 | 25.9                                    | 27.0 | 26.3 | 27.3 | 27.8 |
|                                                                                | 4H  | 24.6                                              | 25.6 | 25.1 | 26.0 | 26.5 | 26.7                                    | 27.6 | 27.1 | 28.1 | 28.6 |
|                                                                                | 6H  | 25.1                                              | 26.0 | 25.6 | 26.4 | 26.7 | 27.3                                    | 28.2 | 27.8 | 28.6 | 29.0 |
|                                                                                | 8H  | 25.2                                              | 26.1 | 25.7 | 26.5 | 26.8 | 27.5                                    | 28.4 | 28.0 | 28.8 | 29.1 |
|                                                                                | 12H | 25.3                                              | 26.0 | 25.8 | 26.5 | 26.9 | 27.7                                    | 28.4 | 28.2 | 28.8 | 29.3 |
| 8H                                                                             | 4H  | 25.1                                              | 26.0 | 25.6 | 26.3 | 26.7 | 26.9                                    | 27.8 | 27.4 | 28.1 | 28.5 |
|                                                                                | 6H  | 25.8                                              | 26.4 | 26.3 | 26.9 | 27.4 | 27.7                                    | 28.4 | 28.2 | 28.8 | 29.4 |
|                                                                                | 8H  | 26.0                                              | 26.6 | 26.5 | 27.1 | 27.7 | 28.1                                    | 28.6 | 28.6 | 29.2 | 29.8 |
|                                                                                | 12H | 26.2                                              | 26.7 | 26.8 | 27.2 | 27.8 | 28.3                                    | 28.8 | 28.9 | 29.3 | 29.9 |
| 12H                                                                            | 4H  | 25.2                                              | 25.9 | 25.7 | 26.3 | 26.8 | 26.9                                    | 27.6 | 27.4 | 28.0 | 28.5 |
|                                                                                | 6H  | 25.9                                              | 26.5 | 26.4 | 27.0 | 27.7 | 27.8                                    | 28.4 | 28.3 | 28.9 | 29.5 |
|                                                                                | 8H  | 26.2                                              | 26.7 | 26.8 | 27.2 | 27.8 | 28.2                                    | 28.6 | 28.7 | 29.1 | 29.8 |
| Variation of the observer position for the luminaire distance S                |     |                                                   |      |      |      |      |                                         |      |      |      |      |
| S = 1.0H                                                                       |     | 0.1 / -0.1                                        |      |      |      |      | 0.1 / -0.1                              |      |      |      |      |
| S = 1.5H                                                                       |     | 0.2 / -0.3                                        |      |      |      |      | 0.1 / -0.2                              |      |      |      |      |
| S = 2.0H                                                                       |     | 0.4 / -0.6                                        |      |      |      |      | 0.4 / -0.4                              |      |      |      |      |
| CIE 117-1995. Corrected glare indices referring to 3965 lm total luminous flux |     |                                                   |      |      |      |      |                                         |      |      |      |      |