

Light efficiency:

**56 Lumen/Watt**

Light quality:

**CRI: 98,1**

Color temperature:

**2642 K**

**Output: 2380 lm**

**Peak: 911 cd**

**Power: 42,6 W**

**PF: 0,8**



Tracking number: [{TRACK\\_NUM}](#)

Product name:

**Reflect Bi-Color 4 - Foot - 2700K with diffuser**

Item number:

Date and time:

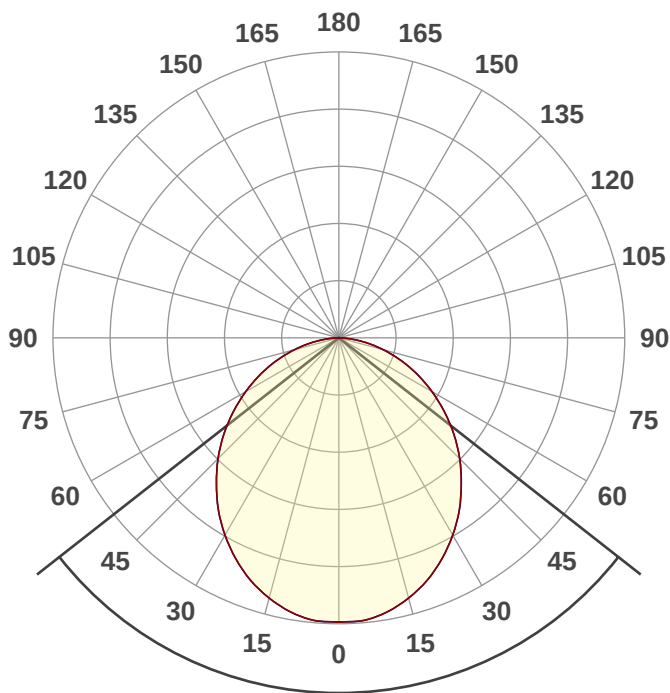
**27/01/2022 16.28.13**

Description:

**Measured in 12 planes**

**Maasured by Karsten Lindorff**

**4 - Foot 2700K  
W/Diffusor**

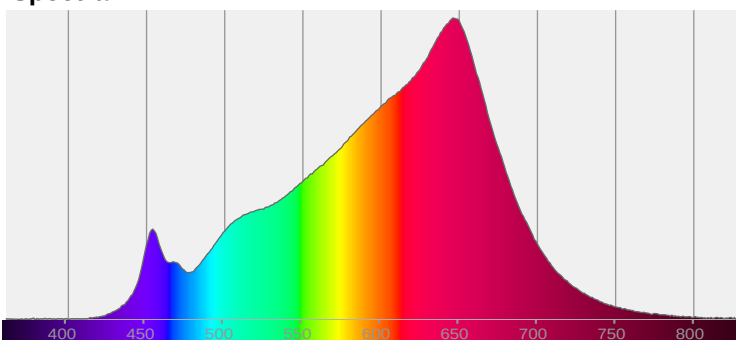


Beam angle **103,8°**

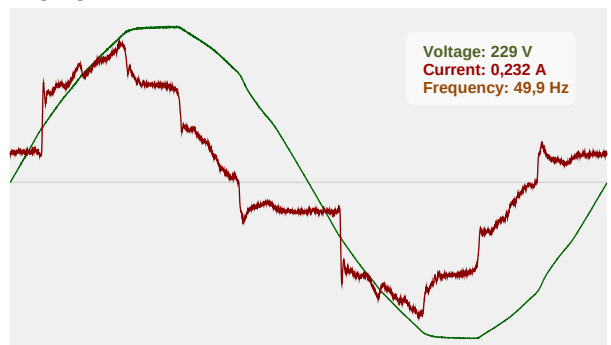


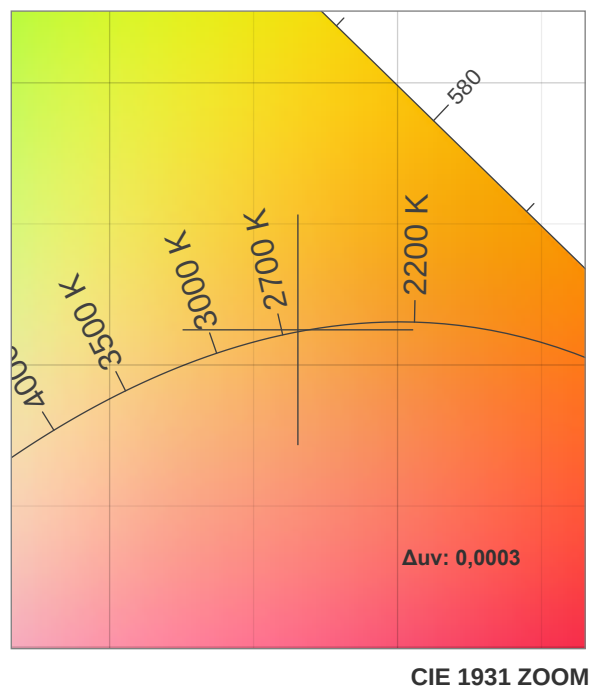
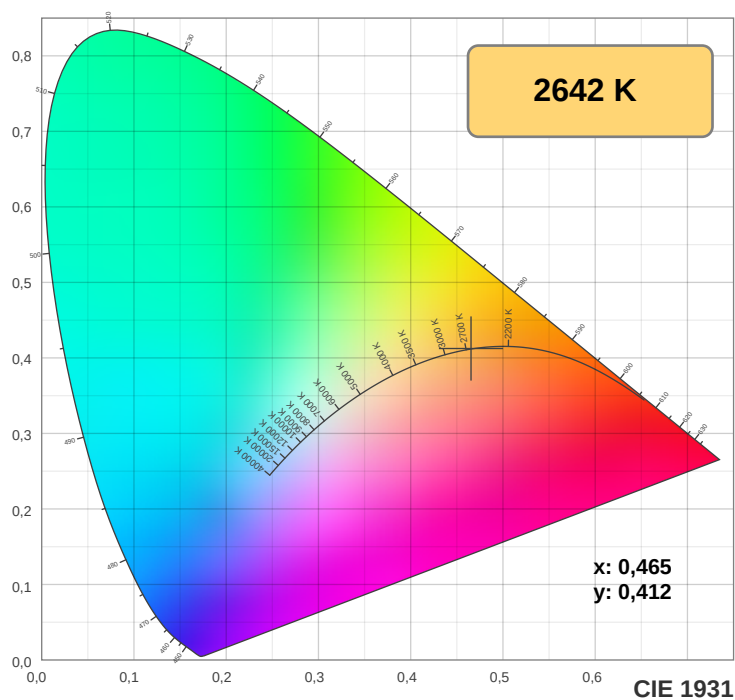
CIE 1931  
x: 0,465  
y: 0,412

Spectra

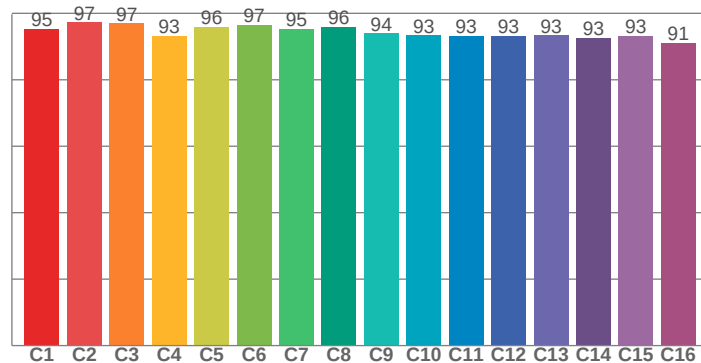


Power

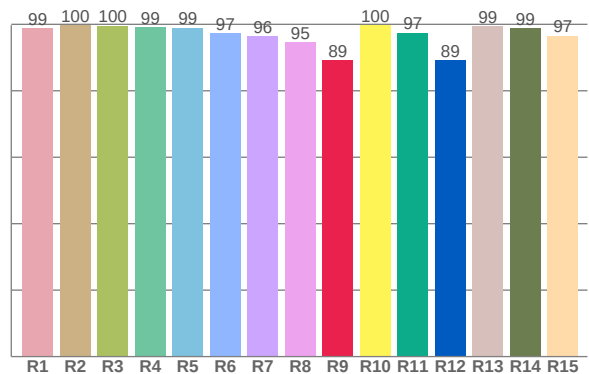




**TM-30: 94,4**



**CRI: 98,1 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,8 | 99,8 | 99,5 | 99,0 | 99,0 | 97,3 | 96,4 | 94,6 | 89,3 | 99,7 | 97,4 | 89,1 | 99,4 | 98,9 | 96,5 |

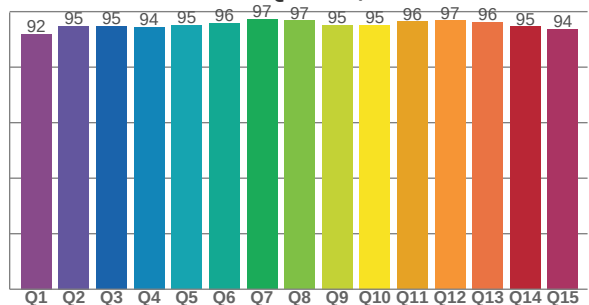
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,4 | 97,3 | 97,0 | 93,2 | 95,9 | 96,6 | 95,3 | 96,0 | 94,0 | 93,4 | 93,2 | 93,3 | 93,4 | 92,6 | 93,1 | 91,0 |

CQS Q values

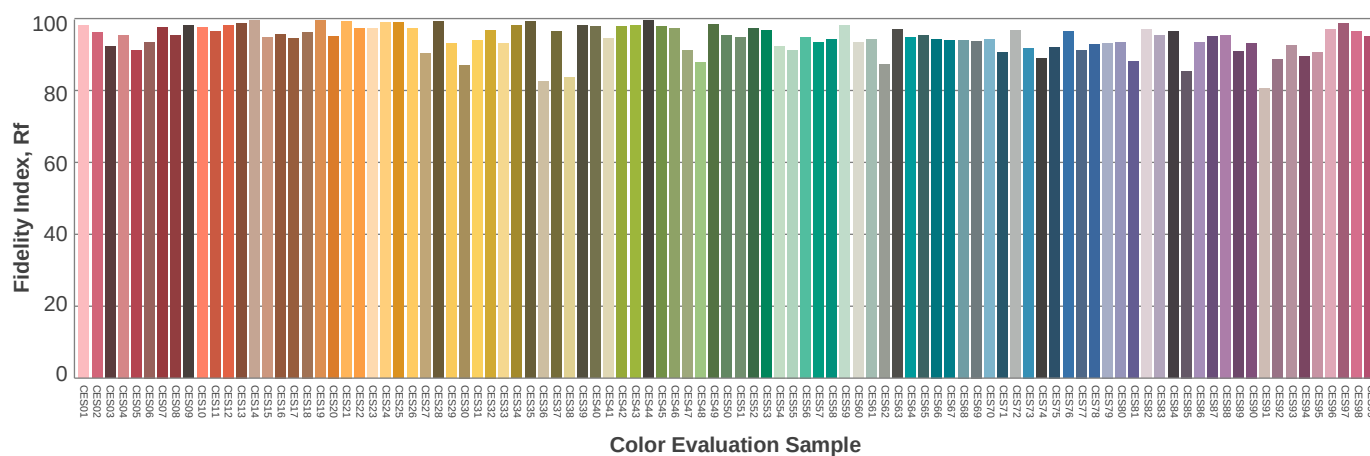
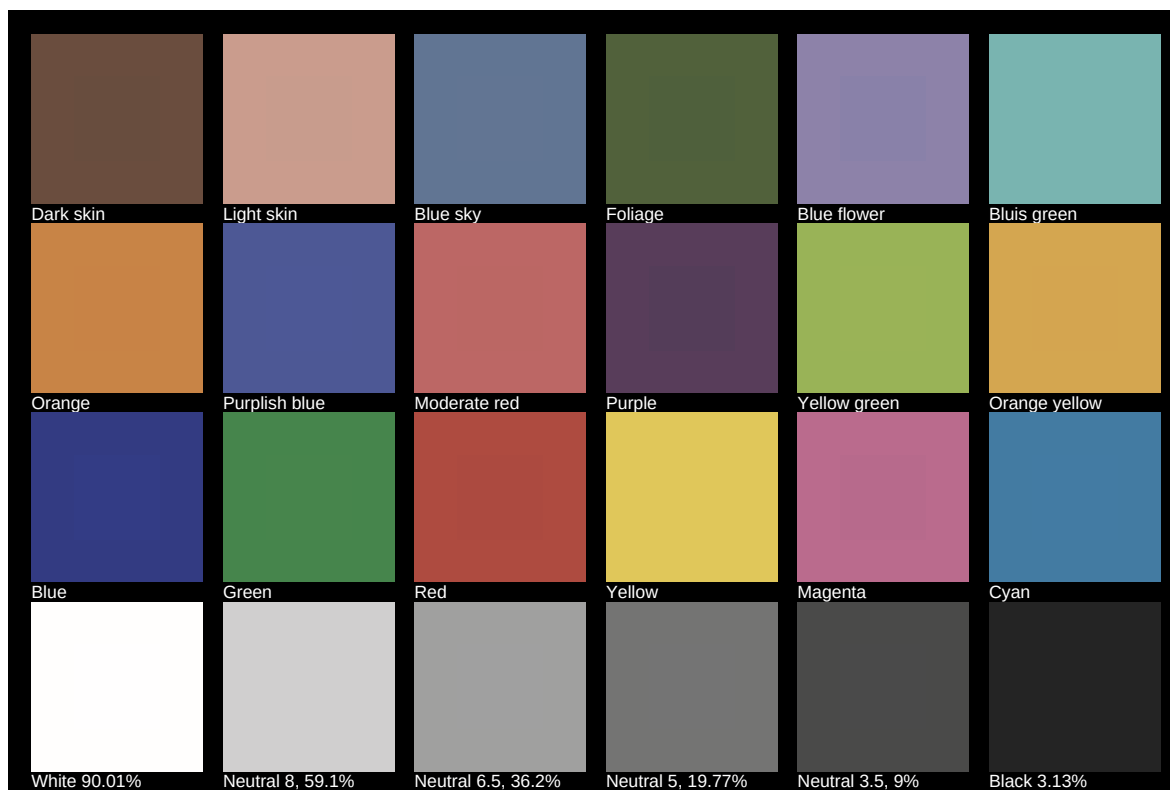
| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91,9 | 94,8 | 94,7 | 94,4 | 95,1 | 96,0 | 97,2 | 96,8 | 95,3 | 95,2 | 96,4 | 96,8 | 96,3 | 94,6 | 93,8 |

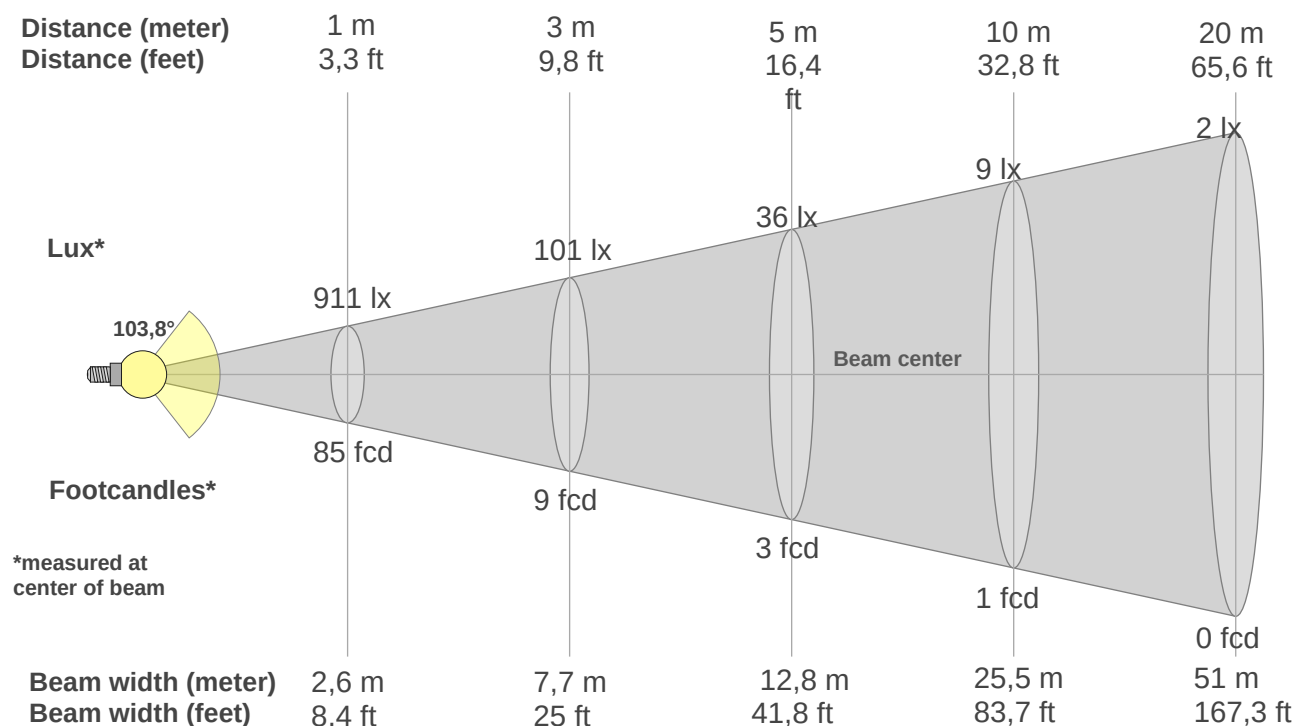
**CQS: 94,9**



## 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                             |
| 2642 K            | 98,1                  | 89,3          | 94,4           | 99,1        | 94,9                | 0,465                     | 0,412                     | 0,265            | 0,353            | 0,0003                          |




**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 |
| 911lx   | 228lx   | 101lx  | 57lx   | 36lx   | 25lx   | 19lx   | 14lx   | 11lx   | 9lx    | 8lx    | 6lx    | 5lx    | 5lx    | 4lx    | 4lx    | 3lx    | 3lx    | 3lx    | 2lx    |
| 84,6fcd | 21,2fcd | 9,4fcd | 5,3fcd | 3,4fcd | 2,4fcd | 1,7fcd | 1,3fcd | 1fcd   | 0,8fcd | 0,7fcd | 0,6fcd | 0,5fcd | 0,4fcd | 0,4fcd | 0,3fcd | 0,3fcd | 0,3fcd | 0,2fcd | 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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 911  | 909  | 892 | 863 | 827 | 781 | 730 | 673 | 610 | 548 | 481 | 413 | 344 | 278 | 212 | 148 | 88  | 35  | 1   | 1   |
| 100% | 100% | 98% | 95% | 91% | 86% | 80% | 74% | 67% | 60% | 53% | 45% | 38% | 30% | 23% | 16% | 10% | 4%  | 0%  | 0%  |

**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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 911  | 909  | 892 | 863 | 827 | 781 | 730 | 673 | 610 | 548 | 481 | 413 | 344 | 278 | 212 | 148 | 88  | 35  | 1   | 1   |
| 100% | 100% | 98% | 95% | 91% | 86% | 80% | 74% | 67% | 60% | 53% | 45% | 38% | 30% | 23% | 16% | 10% | 4%  | 0%  | 0%  |

**Intensities in 180° c-plane**

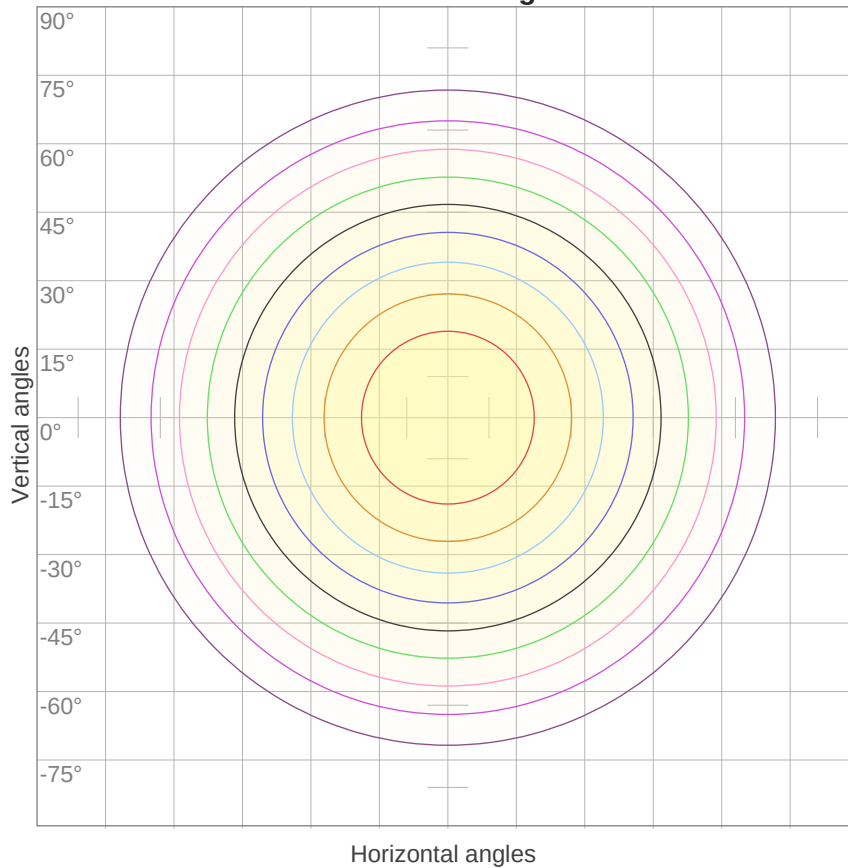
| 0°   | 5°   | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 911  | 909  | 892 | 863 | 827 | 781 | 730 | 673 | 610 | 548 | 481 | 413 | 344 | 278 | 212 | 148 | 88  | 35  | 1   | 1   |
| 100% | 100% | 98% | 95% | 91% | 86% | 80% | 74% | 67% | 60% | 53% | 45% | 38% | 30% | 23% | 16% | 10% | 4%  | 0%  | 0%  |

**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° |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 911  | 909  | 892 | 863 | 827 | 781 | 730 | 673 | 610 | 548 | 481 | 413 | 344 | 278 | 212 | 148 | 88  | 35  | 1   | 1   |
| 100% | 100% | 98% | 95% | 91% | 86% | 80% | 74% | 67% | 60% | 53% | 45% | 38% | 30% | 23% | 16% | 10% | 4%  | 0%  | 0%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 103,8°         | 159,5°          | 172,5°            | 79,8%                        | 55,6%                       |

**iso-candela diagram**



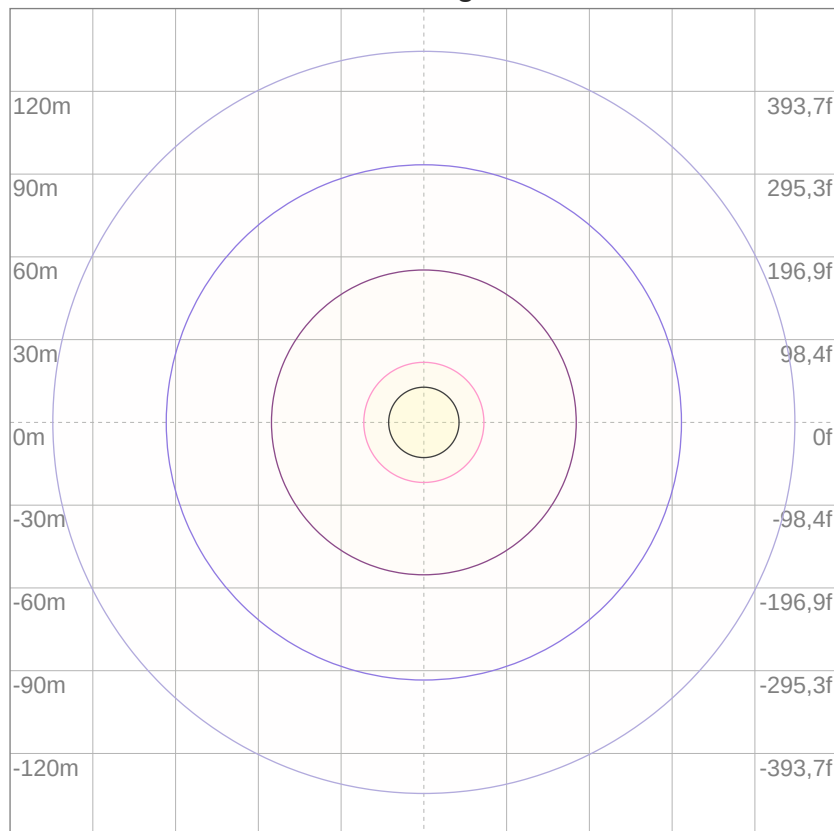
|     |        |
|-----|--------|
| 10% | 91 cd  |
| 20% | 182 cd |
| 30% | 273 cd |
| 40% | 364 cd |
| 50% | 455 cd |
| 60% | 546 cd |
| 70% | 637 cd |
| 80% | 729 cd |
| 90% | 820 cd |

Conditions:

Number of c-planes: 24

Candela at center: 911 cd

**iso-lux diagram**



|     |          |
|-----|----------|
| 3%  | 0,273 lx |
| 5%  | 0,455 lx |
| 10% | 0,911 lx |
| 30% | 2,73 lx  |
| 50% | 4,55 lx  |

Conditions:

Number of c-planes: 24

Lux at center: 9,11 lx

*Lux distribution on a surface  
when lamp is mounted at 10  
meters from the surface.*