

СЕВЕРО-ЗАПАДНАЯ СВЕТОТЕХНИЧЕСКАЯ ЛАБОРАТОРИЯ

Эффективность света:

124 Lumen/Watt

Качество света:

CRI: 83,7

Цветовая температура:

4034 K

Поток: 4238 lm

Интенс.: 3140 cd

Мощн.: 34,2 W

КПД: 0,91



Название продукта:

СС

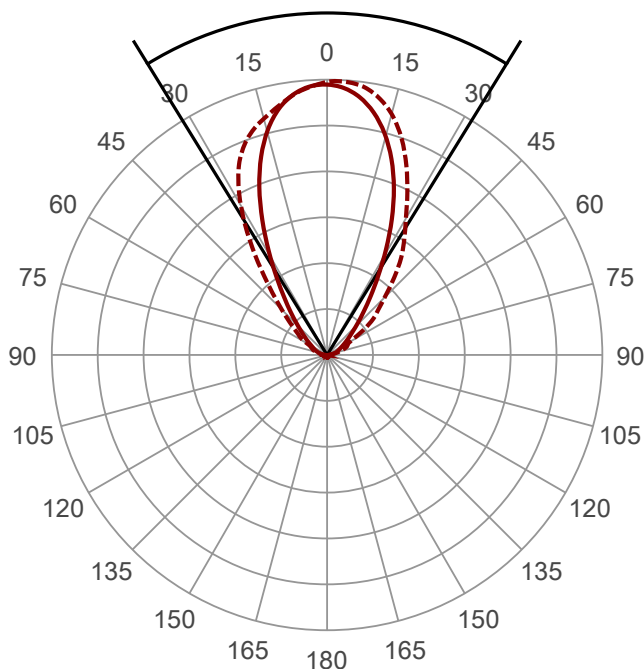
M3-Y-H-32-250.100.130-4-0-67

Дата и время:

23.03.2016 12:31:03

Угол пучка

63,3° (3 C-PLANES)

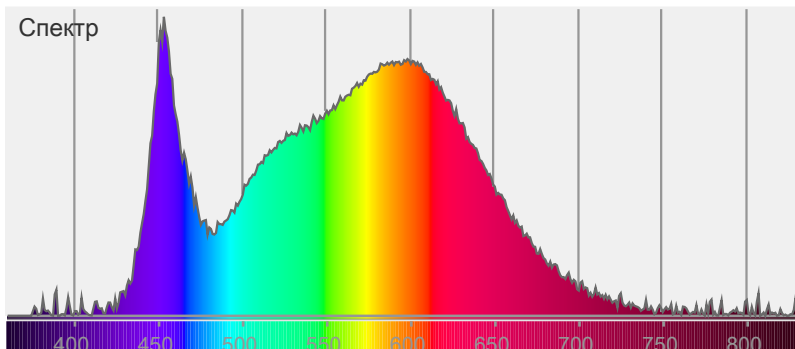


Цвет



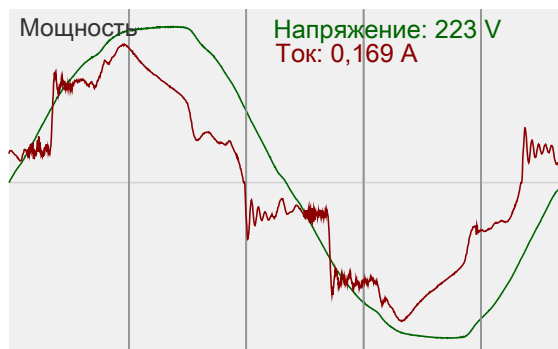
CIE1931
x: 0,380
y: 0,379

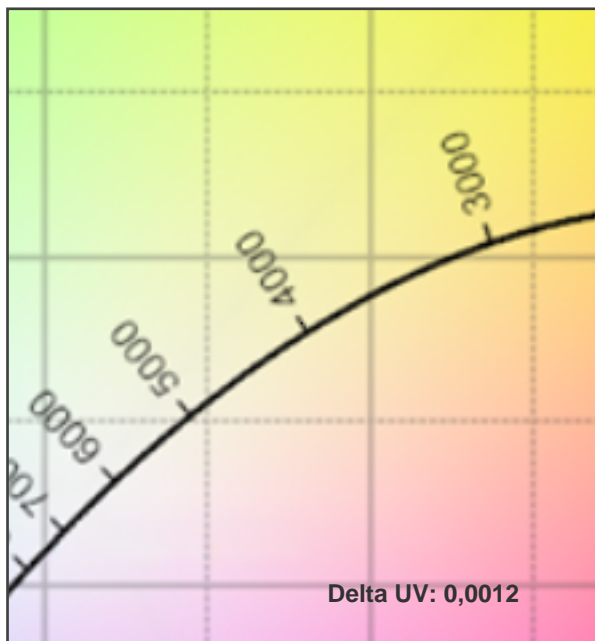
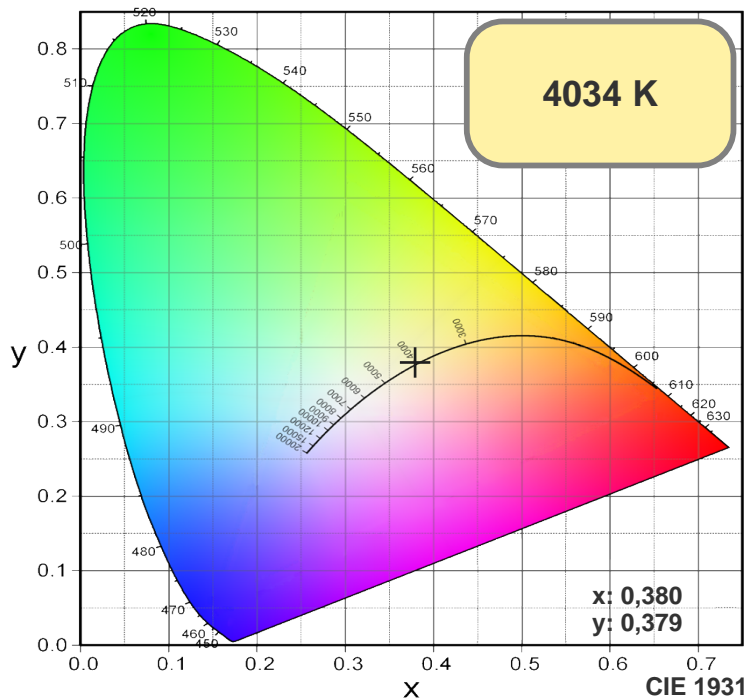
Спектр



Мощность

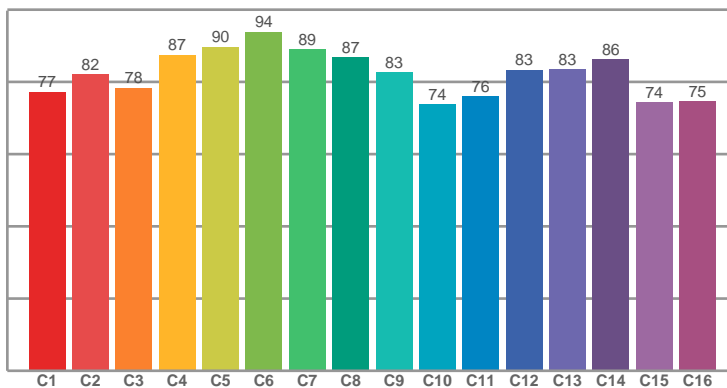
Напряжение: 223 V
Ток: 0,169 A



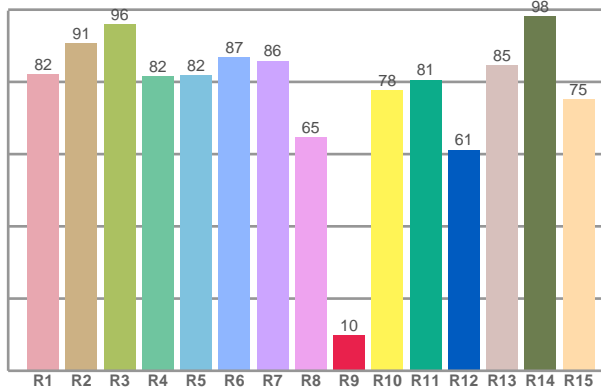


COLOR

TM30: 82,2



CRI: 83,7 (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 |
|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| 82,05 | 90,75 | 96,00 | 81,58 | 81,72 | 86,73 | 85,84 | 64,63 | 9,86 | 77,58 | 80,57 | 61,14 | 84,51 | 98,20 | 75,11 |

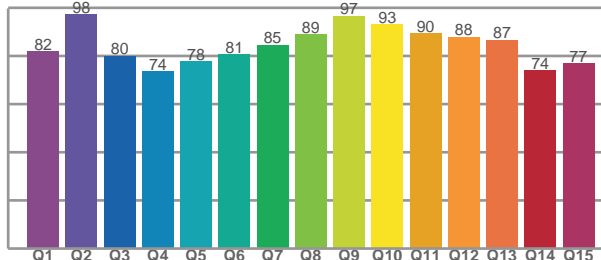
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 77,23 | 82,00 | 78,37 | 87,43 | 89,66 | 93,83 | 88,95 | 86,86 | 82,68 | 73,73 | 76,02 | 83,35 | 83,47 | 86,31 | 74,38 | 74,50 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 81,99 | 97,53 | 80,11 | 73,59 | 77,96 | 80,84 | 84,68 | 89,14 | 96,76 | 93,32 | 89,64 | 88,01 | 86,75 | 73,96 | 76,98 |

CQS: 83,0



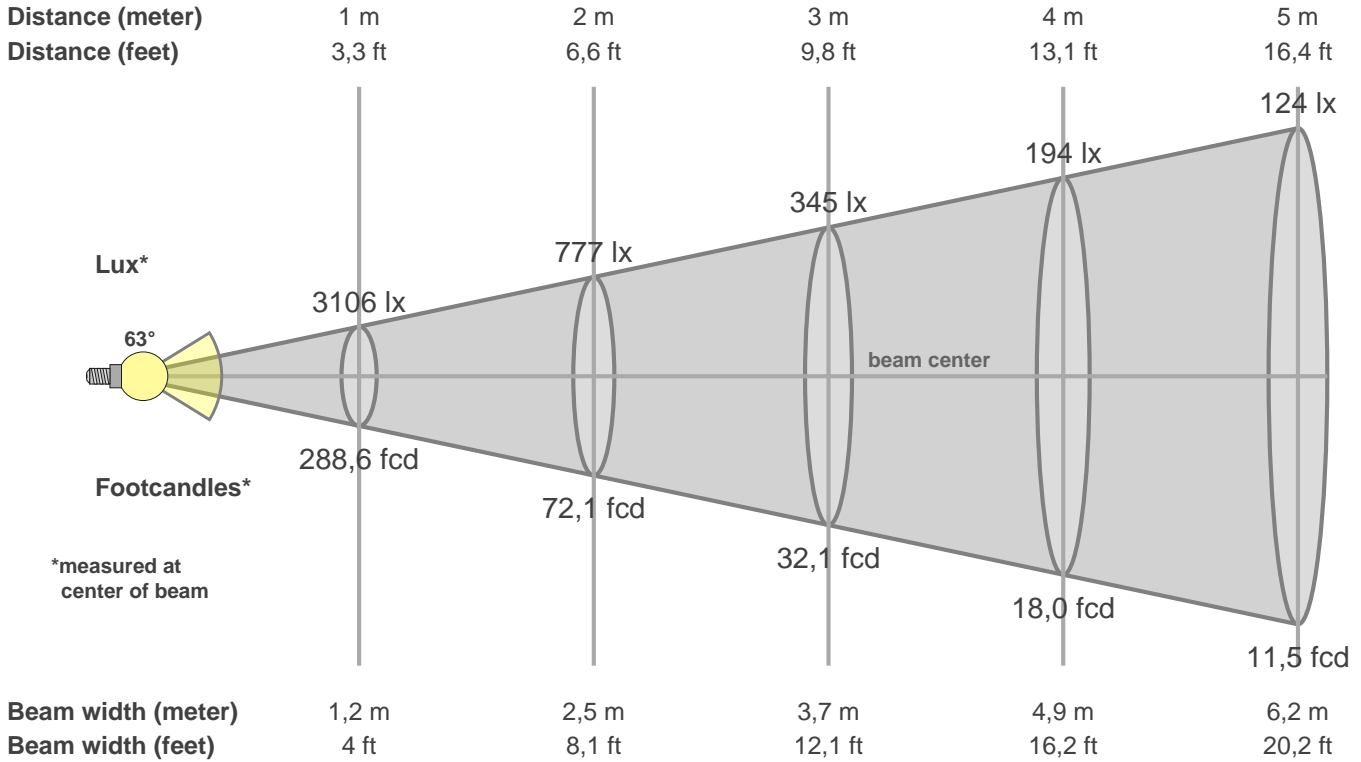
Color parameters

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Duv |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|--------|
| 4034 K | 83,7 | 9,9 | 82,2 | 94,0 | 83,0 | 0,4 | 0,4 | 0,2 | 0,3 | 0,0012 |

СЕВЕРО-ЗАПАДНАЯ СВЕТОТЕХНИЧЕСКАЯ ЛАБОРАТОРИЯ

Beam details

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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° |
|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3106 | 3061 | 2918 | 2652 | 2255 | 1781 | 1312 | 934 | 662 | 476 | 353 | 267 | 205 | 166 | 134 | 100 | 67 | 42 | 26 | 18 |
| 100% | 99% | 94% | 85% | 73% | 57% | 42% | 30% | 21% | 15% | 11% | 9% | 7% | 5% | 4% | 3% | 2% | 1% | 1% | 1% |

Intensities in 60° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3106 | 3056 | 2939 | 2805 | 2648 | 2394 | 1975 | 1490 | 1049 | 742 | 529 | 396 | 277 | 202 | 169 | 120 | 85 | 53 | 26 | 13 |
| 100% | 98% | 95% | 90% | 85% | 77% | 64% | 48% | 34% | 24% | 17% | 13% | 9% | 7% | 5% | 4% | 3% | 2% | 1% | 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° |
|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3106 | 3035 | 2868 | 2594 | 2214 | 1771 | 1319 | 941 | 659 | 477 | 349 | 263 | 202 | 159 | 128 | 98 | 64 | 36 | 22 | 22 |
| 100% | 98% | 92% | 83% | 71% | 57% | 42% | 30% | 21% | 15% | 11% | 8% | 6% | 5% | 4% | 3% | 2% | 1% | 1% | 1% |

Intensities in 240° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3106 | 3133 | 3046 | 2859 | 2554 | 2179 | 1809 | 1527 | 1234 | 938 | 737 | 535 | 313 | 255 | 212 | 139 | 78 | 35 | 19 | 13 |
| 100% | 101% | 98% | 92% | 82% | 70% | 58% | 49% | 40% | 30% | 24% | 17% | 10% | 8% | 7% | 4% | 3% | 1% | 1% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 63,3° | 114,0° | 159,6° | 88,3% | 74,0% |