

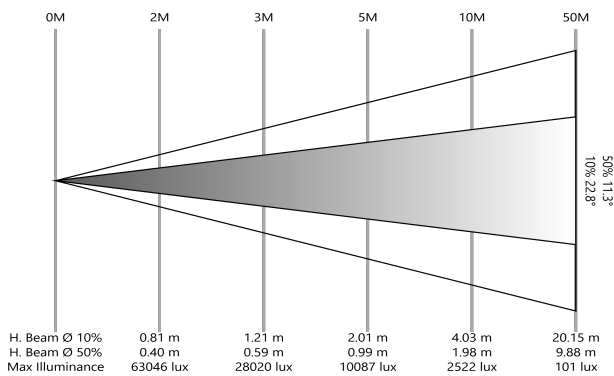
# Photometric Report



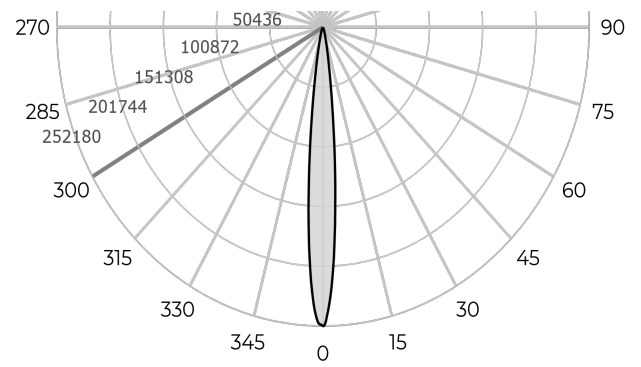
|                       |                                                |
|-----------------------|------------------------------------------------|
| Manufacturer          | SGM                                            |
| Luminaire             | Palco 3 RGBL 10deg CTC at 200 Peak Preliminary |
| Measurement Date      | 22/08/2025                                     |
| Power Consumption     | 402.0 W                                        |
| Light Output          | 15 614 lm                                      |
| Field Angle H.        | 22.8 deg                                       |
| Beam Angle H.         | 11.3 deg                                       |
| Field Angle V.        | 22.8 deg                                       |
| Beam Angle V.         | 11.3 deg                                       |
| Center Beam Intensity | 252 184 cd                                     |
| Color Temperature     | 6 079 K                                        |
| CRI                   | 80                                             |
| CQS                   | 89                                             |
| TLCI                  | 76                                             |
| TM30 Rf/Rg            | 84/112                                         |
| PPF                   | 250.75 $\mu\text{mol/s}$                       |



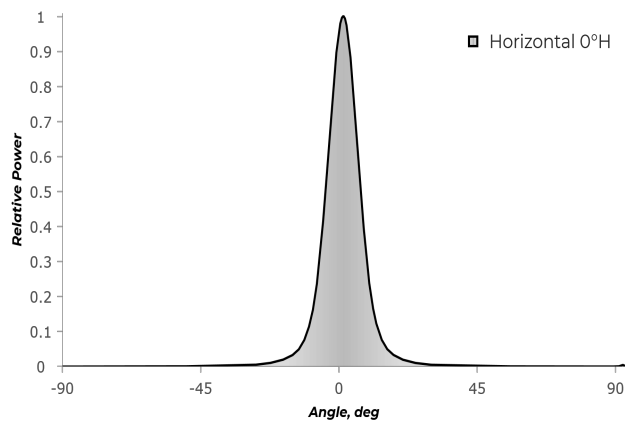
## Lux Diagram



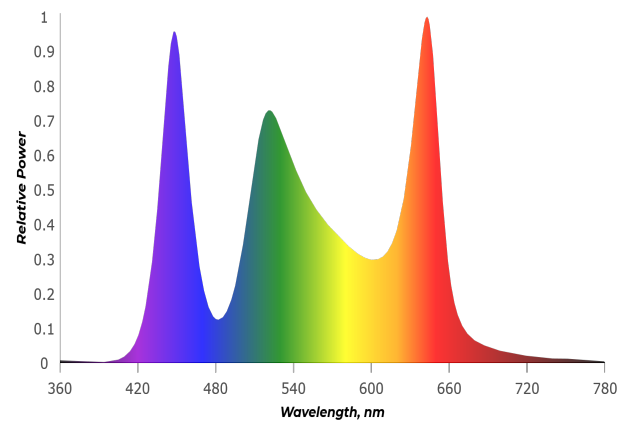
## Polar Distribution



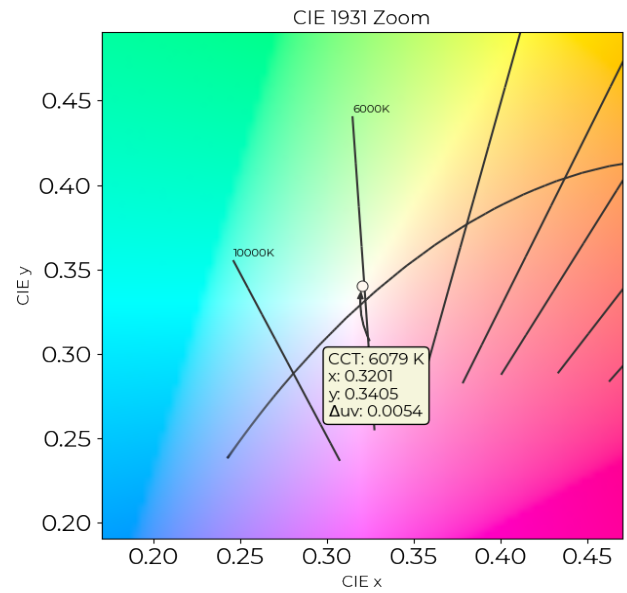
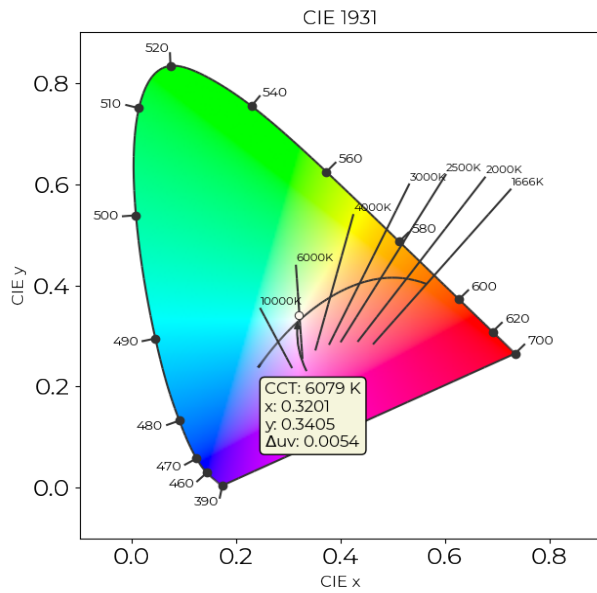
## Beam Profile



## Spectral Distribution



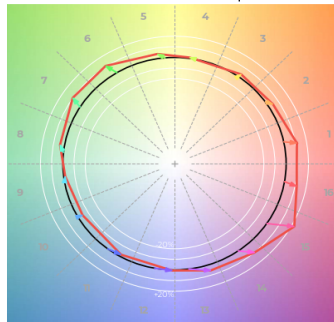
# Photometric Report



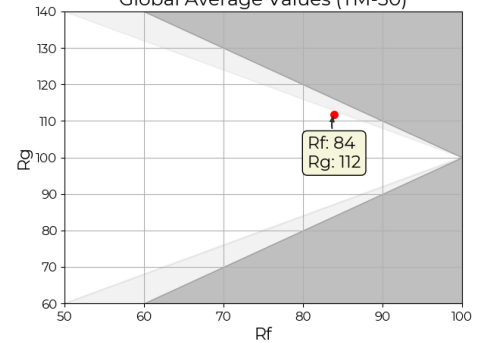
## Local Average Values

| Hue Bin | Rf | Chroma | Hue |
|---------|----|--------|-----|
| 1       | 77 | 11%    | -3% |
| 2       | 88 | 4%     | -6% |
| 3       | 91 | 3%     | -1% |
| 4       | 91 | 1%     | 5%  |
| 5       | 85 | 5%     | 6%  |
| 6       | 83 | 11%    | 5%  |
| 7       | 83 | 10%    | -4% |
| 8       | 86 | 4%     | -6% |
| 9       | 92 | -2%    | -5% |
| 10      | 91 | -4%    | 1%  |
| 11      | 79 | -2%    | 13% |
| 12      | 77 | -1%    | 16% |
| 13      | 78 | 5%     | 19% |
| 14      | 77 | 9%     | 11% |
| 15      | 74 | 22%    | 11% |
| 16      | 79 | 12%    | -2% |

## Color Vector Graphics



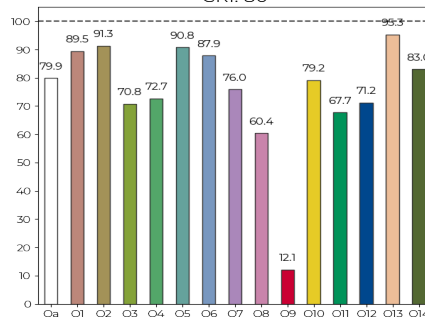
## Global Average Values (TM-30)



## TLCI-2012: 76

| Sector       | Lightness | Chroma | Hue |
|--------------|-----------|--------|-----|
| Red          | -3        | -2     | 0   |
| Red/Yellow   | 0         | 0      | 0   |
| Yellow       | 0         | 0      | 0   |
| Yellow/Green | 0         | -2     | -1  |
| Green        | 0         | -2     | -1  |
| Green/Cyan   | 0         | -3     | 4   |
| Cyan         | 0         | -1     | 3   |
| Cyan/Blue    | 0         | 0      | 3   |
| Blue         | 0         | -2     | -1  |
| Blue/Magenta | 0         | -1     | 0   |
| Magenta      | -1        | -2     | -1  |
| Magenta/Red  | -3        | -2     | -1  |

## CRI: 80



## Color Quality Scale (CQS): 89

