

Light Measurement Report

Print date: 6-2-2025

Measurement date and time: 6-2-2025 08:57:28 – Measurement no. VFR-250206-3252-MS

Measurement tracking No. and Link: [VT250206-006573](https://www.viso-systems.com/track/VT250206-006573)

Operator:



Laboratory and Equipment

Laboratory Owner and Location
Goniospectrometer System and Type
Sensor Name, Calibr. Date and Serial No.
Spectrometer Manufacturer and Model

Viso Systems, Copenhagen V, Denmark
LabSpion – Type C, horizontal
LabSensor Model2 – 11-1-2024 – 3130191315
Ibsen Photonics, Denmark – Freedom VIS (Custom Viso)

Measurement Conditions

Number of C-planes and Resolution
 γ (gamma)-Resolution
Test Distance
Input Power, Power and Displ. Factors
Input RMS Voltage and Current
Frequency of Input Power
Warm-up Time and Variation

16 planes – 22,5°
5°
7,99 m
41,3 W – PF 0,98 – DPF 0,97
230 V – 0,184 A
50 Hz
Lamp stabilized in 15 min 4 sec – 2,0%

Tested Light Source

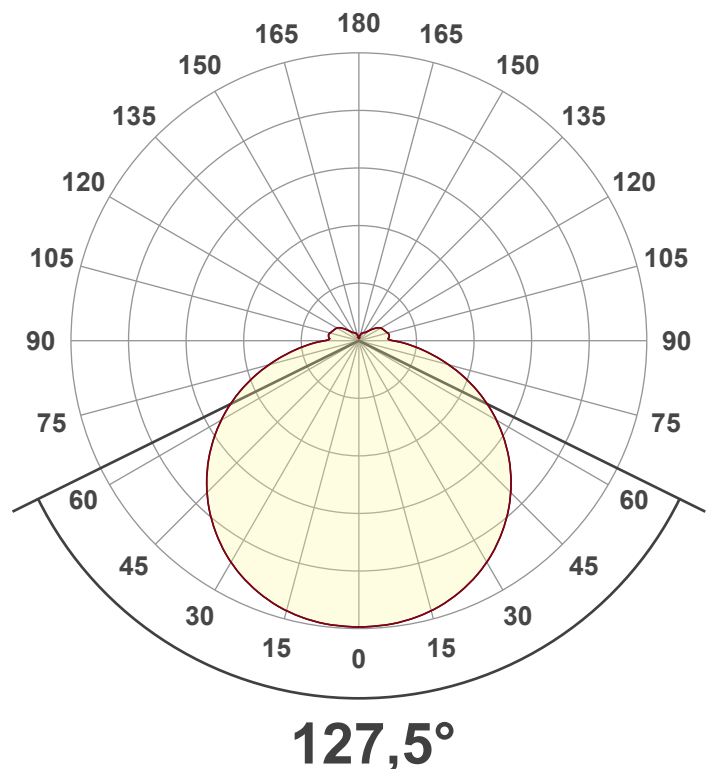
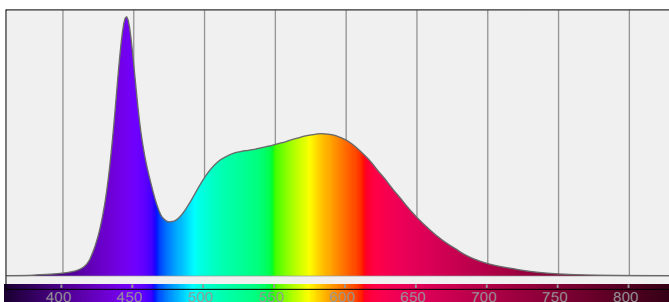
Product Name
Item No. and Manufacturer
Product Description (line 1)
SWITCH

810290-5000K
810290-5000K – Dutchfulfillment
LED FRAME PANEEL | EDGE LIT | 60x60 | 40W | UGR<23 | ZWART | CCT

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)
Efficiency
Peak Intensity and Beam Angle
Correlated Color Temperature, Target/Measured
Color Rendering Index
Color Rendering TM30-18
Color Shift, CIE duv and MacAdam Steps
Flicker

3319 lm – 11,88% / 88,12%
80 lm/W
838 cd – 127,5°
CCT = 5000 K / 5514 K
CRI 82,6
 R_f 82,4 – R_g 98,9
Duv -0,0038 – SDCM 7,2
SVM 0,01 – PstLM 0,02



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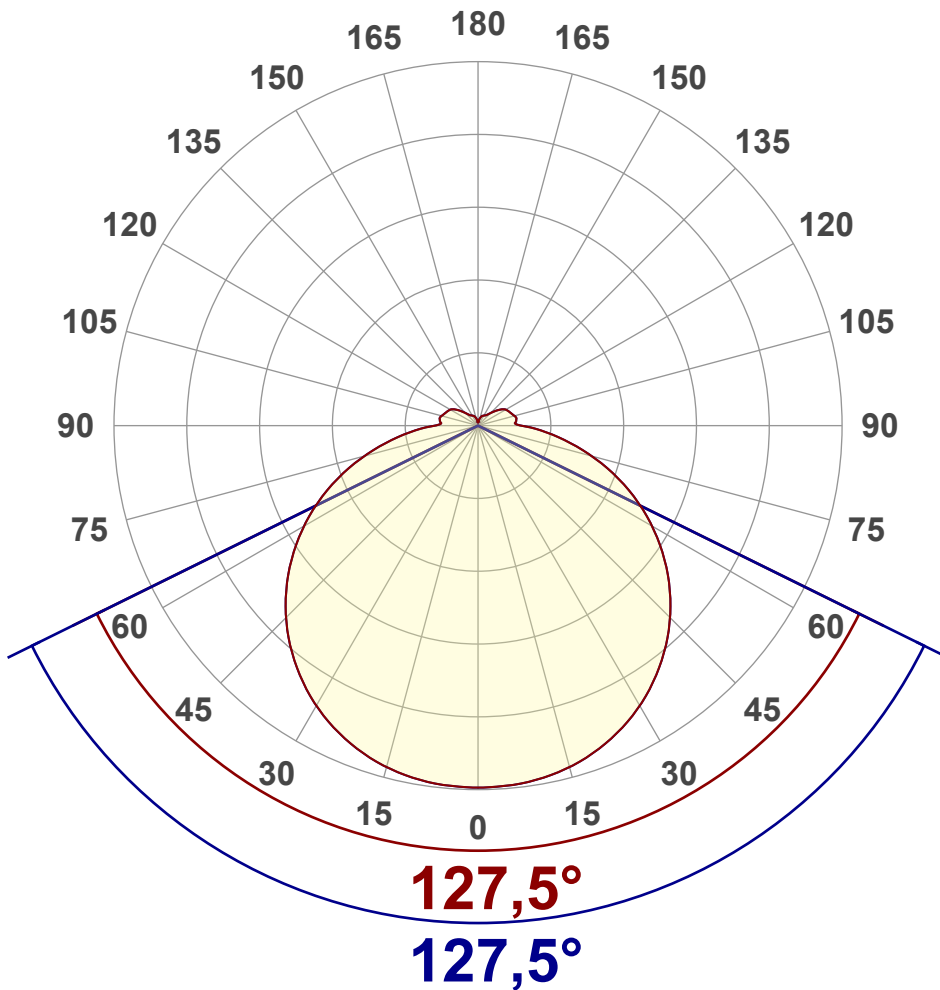
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Operator:



Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

| | |
|----------------------|-----------------|
| Output (total Lumen) | 3319 lm |
| Lumen Up% / Down% | 11,88% / 88,12% |
| Peak Intensity | 838 cd |
| Beam Angle (50%) | 127,5° |
| Beam Angle (90%) | 127,5° |
| Beam Angle (10%) | 127,5° |

Cut-off Angle

| | |
|--------------|--------|
| Average 2,5% | 323,4° |
|--------------|--------|

Field Angle

| | |
|-------------|--------|
| Average 10% | 216,6° |
|-------------|--------|

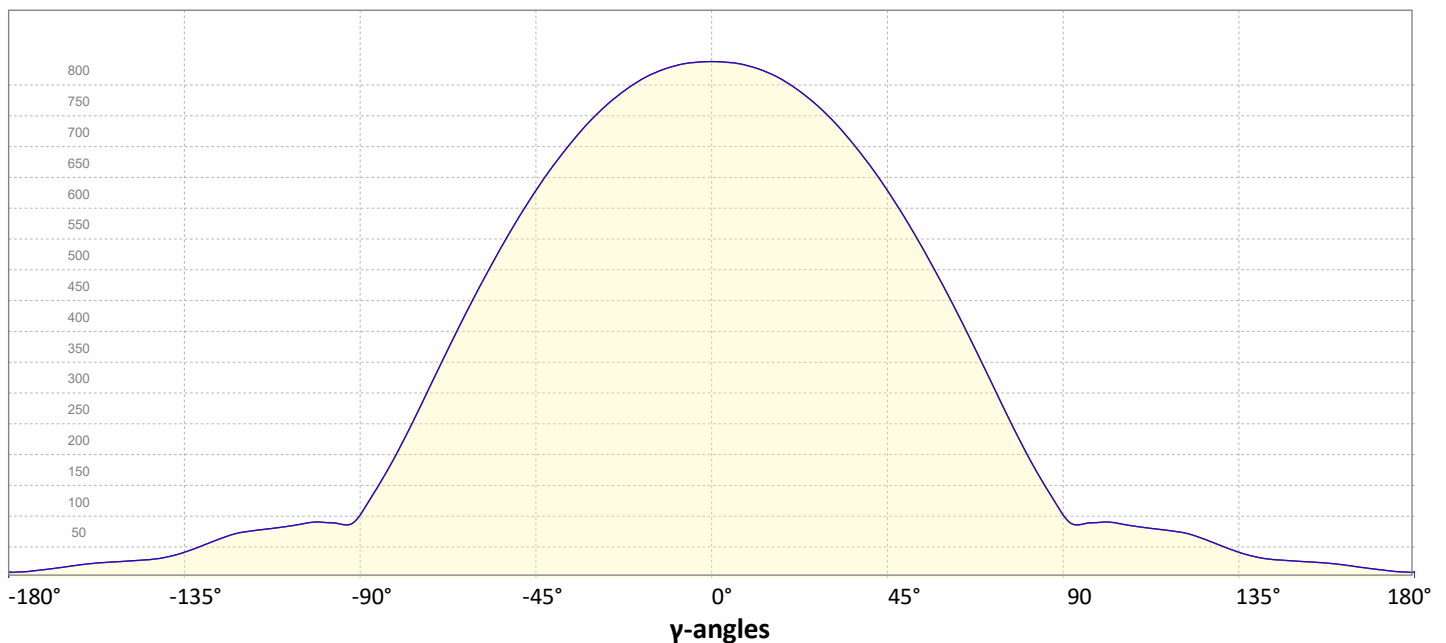
Intensity Ratio

| | |
|--------------|-------|
| In 120° cone | 62,4% |
| In 90° cone | 40,9% |

C000-C180

C090-C270

Linear distribution diagram - Intensity (candela) vs γ -angle



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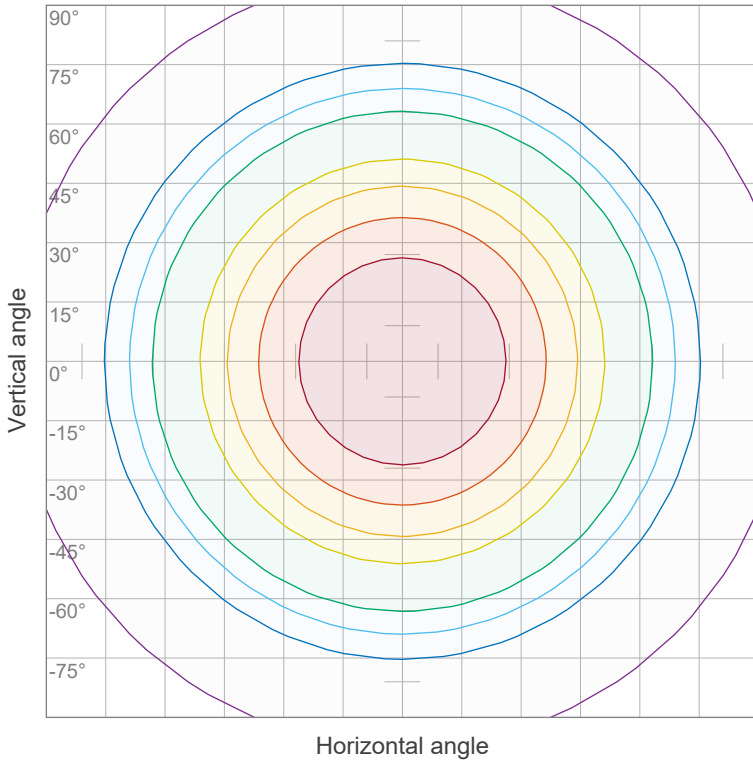
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Operator:



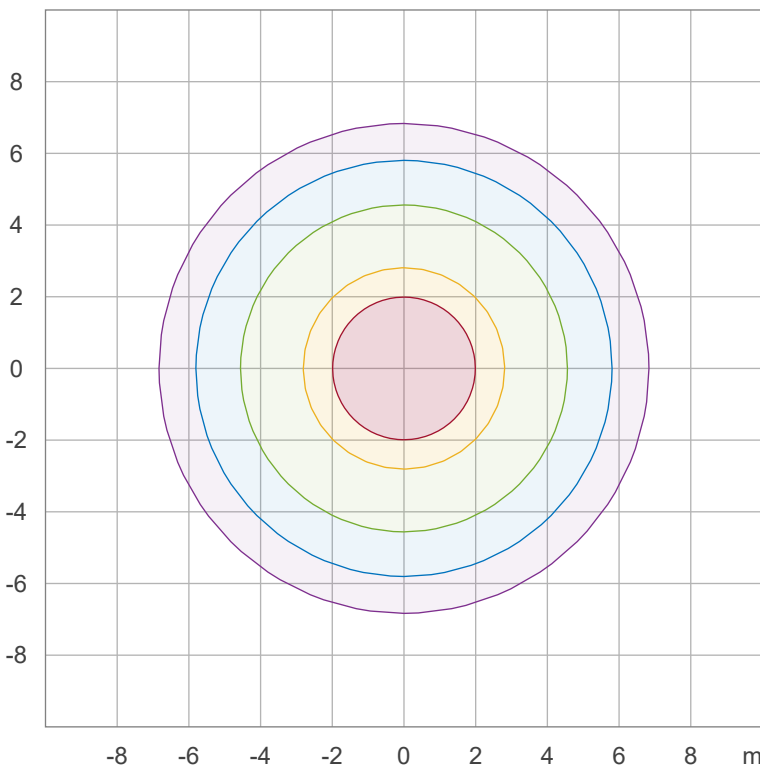
Iso-intensity Diagram (Iso-candela)



| | |
|------|----------|
| 90 % | 753,9 cd |
| 80 % | 670,1 cd |
| 70 % | 586,4 cd |
| 60 % | 502,6 cd |
| 50 % | 418,8 cd |
| 40 % | 335,1 cd |
| 30 % | 251,3 cd |
| 20 % | 167,5 cd |
| 10 % | 83,8 cd |

Peak intensity: 837,7 cd
Number of c-planes: 16

Iso-illuminance Diagram (Iso-lux)



| | |
|--------|---------|
| 50,0 % | 46,5 lx |
| 30,0 % | 27,9 lx |
| 10,0 % | 9,3 lx |
| 5,0 % | 4,7 lx |
| 3,0 % | 2,8 lx |

Peak illuminance: 93,1 lx
Mounting height: 3,0 m
Number of c-planes: 16

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Operator:

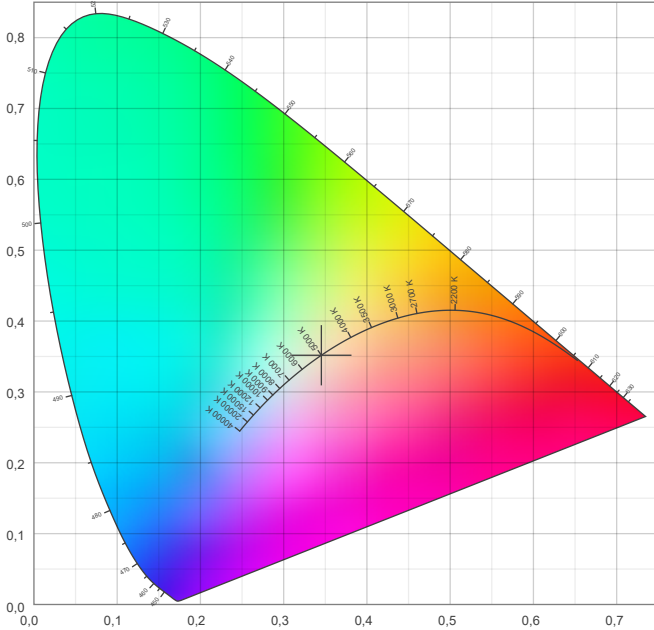


Color details

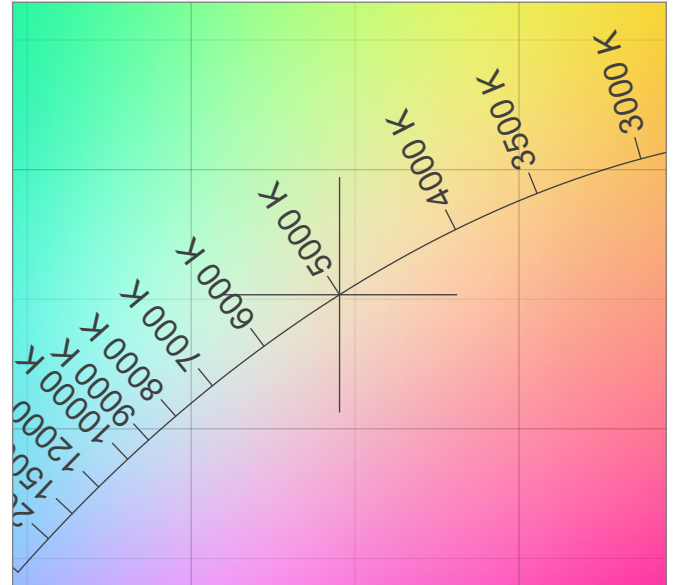
Correlated Color Temperature, Target CCT = 5000 K
 Correlated Color Temperature, Measured CCT = 5514 K
 Color Rendering Index CRI 82,6
 Color Rendering Index, R9 (red component) R9 = 5,8
 Color Rendering TM30-18 R_f 82,4 – R_g 98,9
 Color Quality Scale CQS = 80,6

MacAdam Steps SDCM = 7,2
 Color coordinates CIE 1931 (x;y) = (0,345;0,352)
 Color coordinate CIEs 1960 (u;v) = (0,211;0,323)
 Color deviation from BBL Duv = -0,0038
 Color coordinate CIEs 1976 (CIELUV) (u';v') = (0,211;0,485)

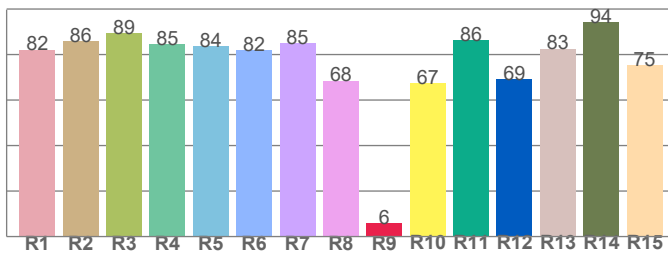
CIE 1931



CIE 1931 – zoomed on Planckian locus



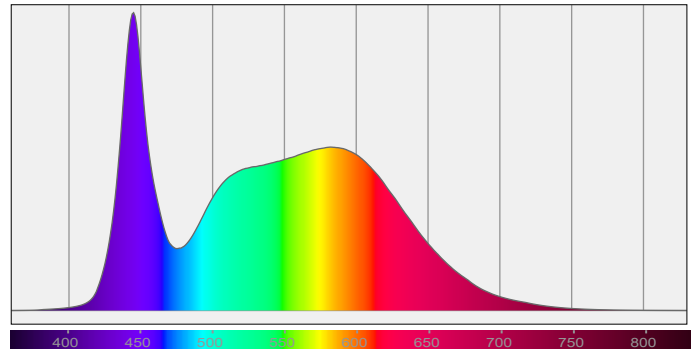
Color Rendering Index per reference color (CIE 1995)



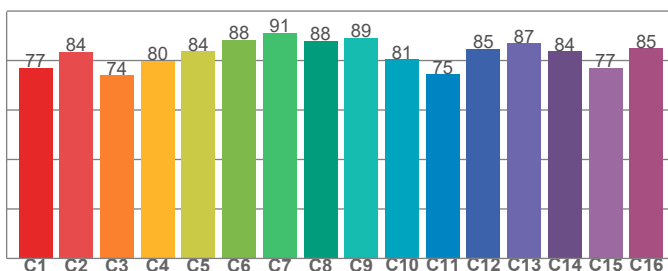
CRI R values, only R1-R8 are used to calculate final CRI value

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 82,0 | 86,0 | 89,4 | 84,5 | 83,7 | 81,9 | 84,9 | 68,5 | 5,8 | 67,5 | 86,4 | 69,2 | 82,5 | 94,3 | 75,2 |

Spectral power distribution (SPD) / W/nm – 0-100%



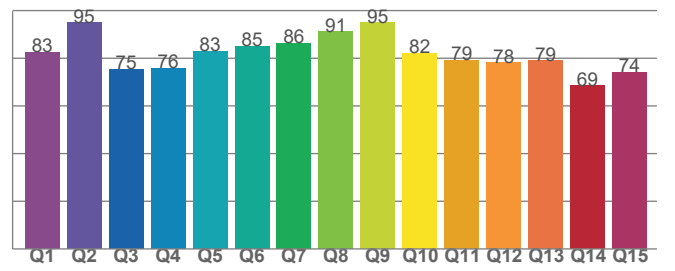
TM30-18 Rf-values per hue bin



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77,0 | 83,6 | 74,1 | 79,9 | 83,8 | 88,4 | 91,3 | 88,0 | 89,2 | 80,5 | 74,5 | 84,8 | 86,9 | 83,8 | 77,0 | 85,0 |

Color Quality Scale by reference color



CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,6 | 95,0 | 75,5 | 75,7 | 83,0 | 84,9 | 86,4 | 91,1 | 94,9 | 82,2 | 79,1 | 78,1 | 78,9 | 68,5 | 74,2 |

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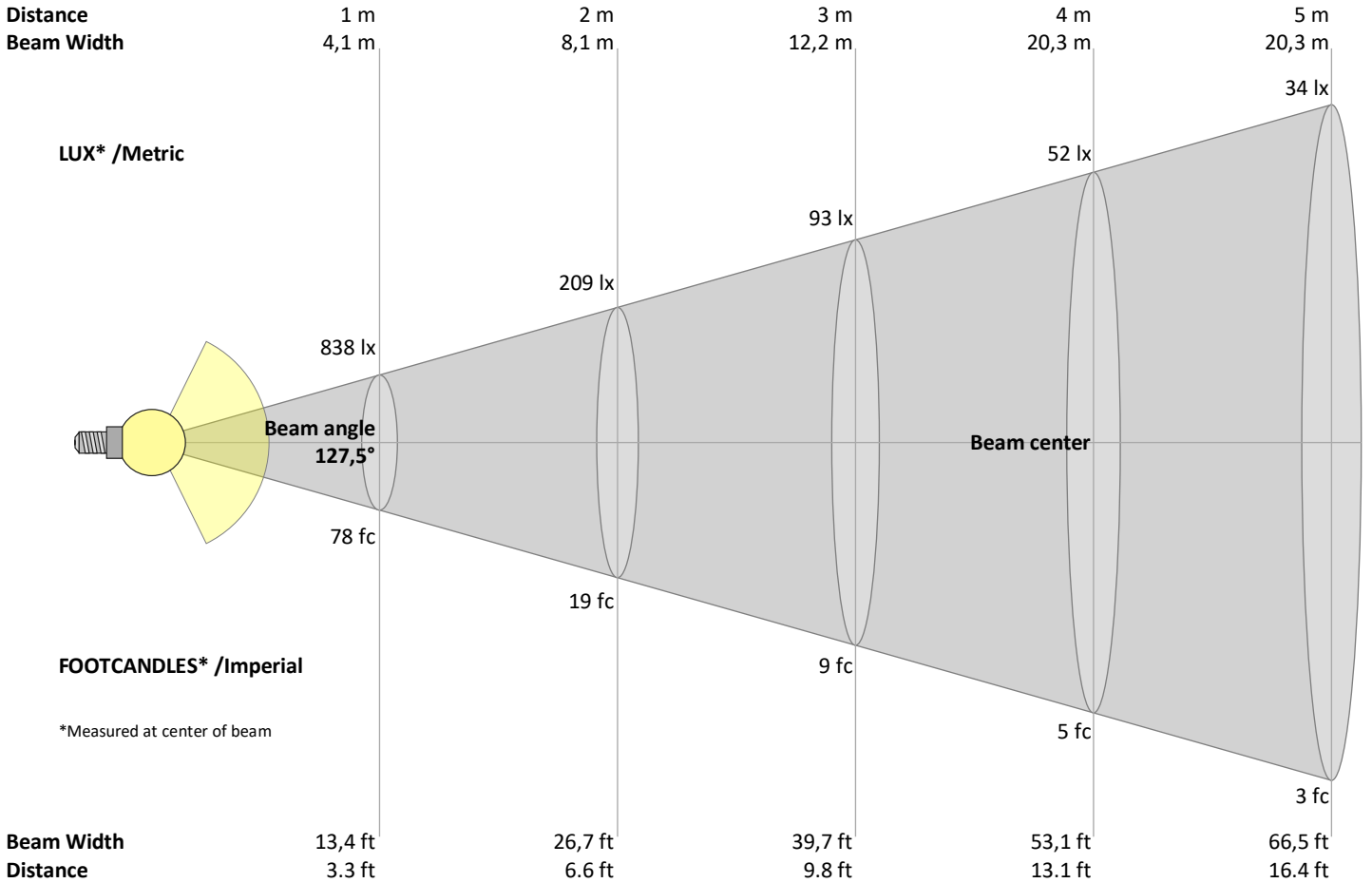
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Operator:



Beam Details



Beam intensities from 1 – 20 m

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | m |
|------|------|-----|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 3,3 | 6,6 | 9,8 | 13,1 | 16,4 | 19,7 | 23 | 26,2 | 29,5 | 32,8 | 36,1 | 39,4 | 42,7 | 45,9 | 49,2 | 52,5 | 55,8 | 59,1 | 62,3 | 65,6 | ft |
| 838 | 209 | 93 | 52 | 34 | 23 | 17 | 13 | 10 | 8 | 7 | 6 | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | lux |
| 77,8 | 19,5 | 8,6 | 4,9 | 3,1 | 2,2 | 1,6 | 1,2 | 1 | 0,8 | 0,6 | 0,5 | 0,5 | 0,4 | 0,3 | 0,3 | 0,3 | 0,2 | 0,2 | 0,2 | fc |

Intensities in 0° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° | γ |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 838 | 831 | 808 | 767 | 706 | 628 | 534 | 428 | 312 | 198 | 105 | 90 | 84 | 77 | 63 | 42 | 30 | 26 | 21 | 13 | cd |
| 100% | 99% | 96% | 92% | 84% | 75% | 64% | 51% | 37% | 24% | 13% | 11% | 10% | 9% | 7% | 5% | 4% | 3% | 2% | 2% | of 0°val |

Intensities in 90° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° | γ |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 838 | 831 | 808 | 767 | 706 | 628 | 534 | 428 | 312 | 198 | 105 | 90 | 84 | 77 | 63 | 42 | 30 | 26 | 21 | 13 | cd |
| 100% | 99% | 96% | 92% | 84% | 75% | 64% | 51% | 37% | 24% | 13% | 11% | 10% | 9% | 7% | 5% | 4% | 3% | 2% | 2% | of 0°val |

Intensities in 180° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° | γ |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 838 | 831 | 808 | 767 | 706 | 628 | 534 | 428 | 312 | 198 | 105 | 90 | 84 | 77 | 63 | 42 | 30 | 26 | 21 | 13 | cd |
| 100% | 99% | 96% | 92% | 84% | 75% | 64% | 51% | 37% | 24% | 13% | 11% | 10% | 9% | 7% | 5% | 4% | 3% | 2% | 2% | of 0°val |

Intensities in 270° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° | γ |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 838 | 831 | 808 | 767 | 706 | 628 | 534 | 428 | 312 | 198 | 105 | 90 | 84 | 77 | 63 | 42 | 30 | 26 | 21 | 13 | cd |
| 100% | 99% | 96% | 92% | 84% | 75% | 64% | 51% | 37% | 24% | 13% | 11% | 10% | 9% | 7% | 5% | 4% | 3% | 2% | 2% | of 0°val |

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Operator:



Light Planning – UGR table

Uncorrected, comprehensive UGR table according to 117-1995

| Reflectances | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
|-------------------------------------|-----------|--|------|------|------|------|--|------|------|------|------|
| | ρ Ceiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| | ρ Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| | ρ Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room size | | Viewed Crosswise | | | | | Viewed Endwise | | | | |
| H = mounting height above eye level | | (Viewing direction orthogonal to lamp length axis) | | | | | (Viewing direction parallel to lamp length axis) | | | | |
| X | Y | | | | | | | | | | |
| 2H | 2H | 15,3 | 16,5 | 15,8 | 17,0 | 17,5 | 15,3 | 16,5 | 15,8 | 17,0 | 17,5 |
| | 3H | 17,2 | 18,4 | 17,8 | 18,9 | 19,4 | 17,2 | 18,4 | 17,8 | 18,9 | 19,4 |
| | 4H | 18,2 | 19,3 | 18,8 | 19,8 | 20,3 | 18,2 | 19,3 | 18,8 | 19,8 | 20,3 |
| | 6H | 19,2 | 20,2 | 19,6 | 20,6 | 21,2 | 19,2 | 20,2 | 19,6 | 20,6 | 21,2 |
| | 8H | 19,6 | 20,6 | 20,1 | 21,1 | 21,7 | 19,6 | 20,6 | 20,1 | 21,1 | 21,7 |
| | 12H | 20,0 | 21,0 | 20,6 | 21,5 | 22,2 | 20,0 | 21,0 | 20,6 | 21,5 | 22,2 |
| 4H | 2H | 16,0 | 17,2 | 16,6 | 17,7 | 18,2 | 16,0 | 17,2 | 16,6 | 17,7 | 18,2 |
| | 3H | 18,3 | 19,3 | 18,8 | 19,7 | 20,4 | 18,3 | 19,3 | 18,8 | 19,7 | 20,4 |
| | 4H | 19,3 | 20,3 | 19,9 | 20,8 | 21,5 | 19,3 | 20,3 | 19,9 | 20,8 | 21,5 |
| | 6H | 20,3 | 21,2 | 21,0 | 21,7 | 22,3 | 20,3 | 21,2 | 21,0 | 21,7 | 22,3 |
| | 8H | 20,9 | 21,6 | 21,5 | 22,2 | 22,8 | 20,9 | 21,6 | 21,5 | 22,2 | 22,8 |
| | 12H | 21,4 | 22,0 | 22,0 | 22,7 | 23,3 | 21,4 | 22,0 | 22,0 | 22,7 | 23,3 |
| 8H | 4H | 19,7 | 20,5 | 20,4 | 21,0 | 21,6 | 19,7 | 20,5 | 20,4 | 21,0 | 21,6 |
| | 6H | 21,0 | 21,6 | 21,7 | 22,2 | 23,0 | 21,0 | 21,6 | 21,7 | 22,2 | 23,0 |
| | 8H | 21,7 | 22,2 | 22,4 | 22,9 | 23,7 | 21,7 | 22,2 | 22,4 | 22,9 | 23,7 |
| | 12H | 22,4 | 22,9 | 23,1 | 23,5 | 24,3 | 22,4 | 22,9 | 23,1 | 23,5 | 24,3 |
| 12H | 4H | 19,8 | 20,4 | 20,4 | 21,0 | 21,7 | 19,8 | 20,4 | 20,4 | 21,0 | 21,7 |
| | 6H | 21,2 | 21,7 | 21,8 | 22,4 | 23,2 | 21,2 | 21,7 | 21,8 | 22,4 | 23,2 |
| | 8H | 21,9 | 22,4 | 22,6 | 23,1 | 23,8 | 21,9 | 22,4 | 22,6 | 23,1 | 23,8 |

Variations with the observer position for the luminaire spacings, S:

| | | |
|----------|------------|------------|
| S = 1.0H | 0,1 / 0,0 | 0,1 / 0,0 |
| S = 1.5H | 0,1 / -0,1 | 0,1 / -0,1 |
| S = 2.0H | 0,2 / -0,2 | 0,2 / -0,2 |

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 Lumen delivered to the task surface | | | | | | | | | | | | | | | | | |
| 0 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 91 | 91 | 91 | 88 |
| 1 | 104 | 99 | 94 | 89 | 100 | 95 | 91 | 87 | 89 | 85 | 82 | 83 | 80 | 77 | 77 | 75 | 73 | 70 |
| 2 | 94 | 85 | 77 | 71 | 90 | 82 | 75 | 69 | 76 | 71 | 66 | 71 | 67 | 63 | 67 | 63 | 59 | 56 |
| 3 | 85 | 74 | 65 | 58 | 82 | 71 | 63 | 57 | 67 | 60 | 54 | 62 | 57 | 52 | 58 | 53 | 49 | 47 |
| 4 | 78 | 65 | 56 | 49 | 74 | 63 | 54 | 48 | 59 | 51 | 46 | 55 | 49 | 44 | 51 | 46 | 42 | 39 |
| 5 | 71 | 58 | 48 | 41 | 68 | 56 | 47 | 41 | 52 | 45 | 39 | 49 | 43 | 38 | 46 | 40 | 36 | 34 |
| 6 | 65 | 52 | 42 | 36 | 63 | 50 | 41 | 35 | 47 | 39 | 34 | 44 | 38 | 33 | 42 | 36 | 31 | 29 |
| 7 | 61 | 47 | 38 | 31 | 58 | 45 | 37 | 31 | 43 | 35 | 30 | 40 | 34 | 29 | 38 | 32 | 28 | 25 |
| 8 | 56 | 42 | 34 | 28 | 54 | 41 | 33 | 27 | 39 | 32 | 26 | 37 | 30 | 26 | 35 | 29 | 25 | 23 |
| 9 | 52 | 39 | 30 | 25 | 50 | 38 | 30 | 24 | 36 | 29 | 24 | 34 | 27 | 23 | 32 | 26 | 22 | 20 |
| 10 | 49 | 36 | 28 | 22 | 47 | 35 | 27 | 22 | 33 | 26 | 21 | 31 | 25 | 21 | 30 | 24 | 20 | 18 |

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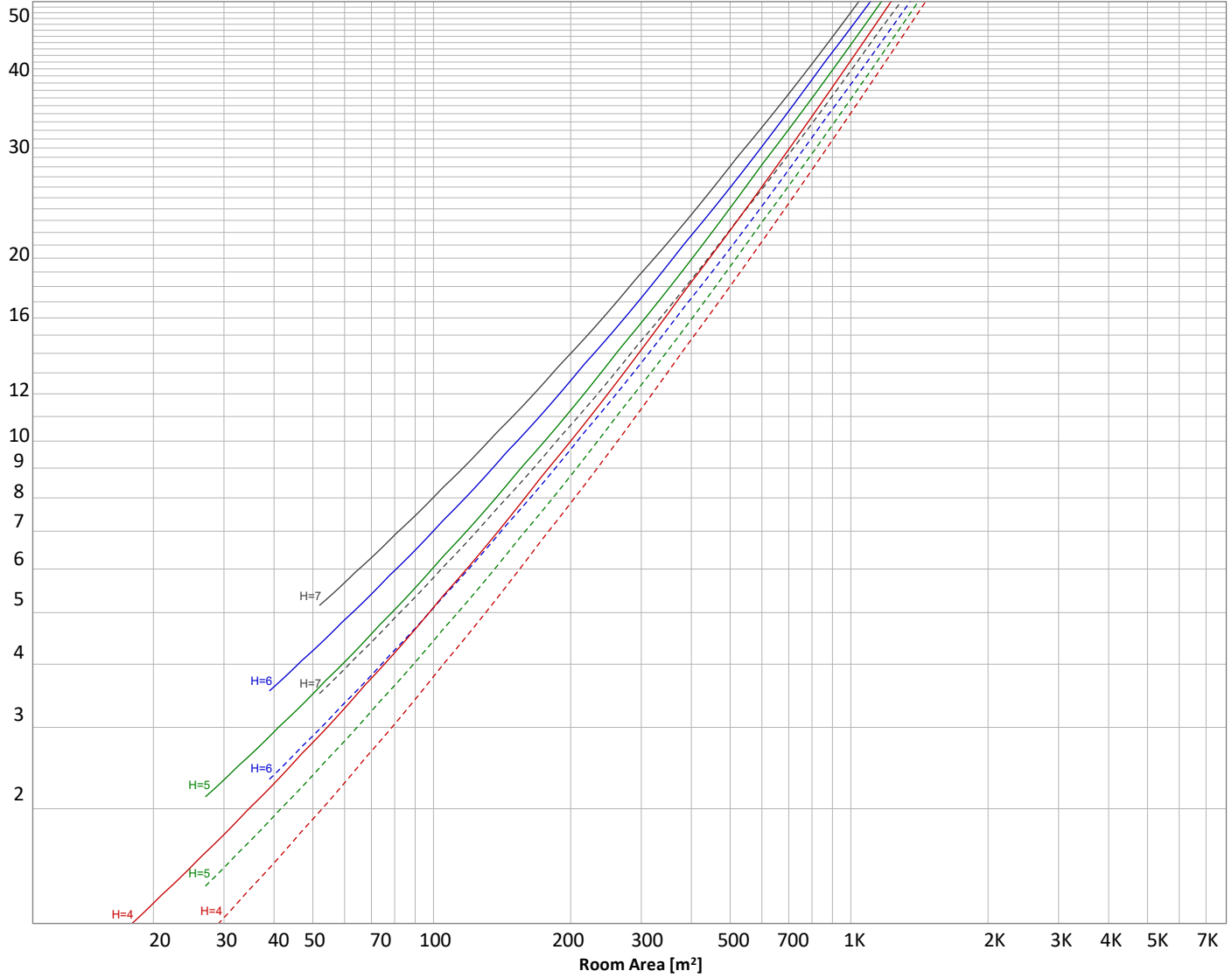
Operator:



Luminaire budgetary diagram

Uncorrected, comprehensive UGR table according to 117-1995

LAMPS (number of lamps)



Conditions

| | | | | | |
|---|----------------|-----------|---------------------|--------------------------|-------------------|
| H = Room height | Flux = 3319 lm | | | | |
| H _{down} = Lamp distance from ceiling = | 0.00 m | Line type | Ceiling reflectance | ρ(%) Wall reflectance | Floor reflectance |
| H _{work} = Work area height from floor = | 0.00 m | ----- | 70 | 50 | 30 |
| E _{work} = Average lux on work area = | 100 lx | ————— | 50 | 30 | 20 |

Zonal Lumen Summary

| 0°-10° | 10°-20° | 20°-30° | 30°-40° | 40°-50° | 50°-60° | 60°-70° | 70°-80° | 80°-90° |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 79,6 lm | 231 lm | 359 lm | 447 lm | 485 lm | 468 lm | 399 lm | 288 lm | 168 lm |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 97,3 lm | 92,1 lm | 77,6 lm | 58,3 lm | 32,7 lm | 18,4 lm | 11,5 lm | 5,23 lm | 1,10 lm |

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Outdoor Light Planning

Lumen per Zone

| Zone (γ) | Lumen | % Total |
|--------------|----------------|---------------|
| 0-10° | 80 lm | 2,4% |
| 10-20° | 231 lm | 7,0% |
| 20-30° | 359 lm | 10,8% |
| 30-40° | 447 lm | 13,5% |
| 40-50° | 485 lm | 14,6% |
| 50-60° | 468 lm | 14,1% |
| 60-70° | 399 lm | 12,0% |
| 70-80° | 288 lm | 8,7% |
| 80-90° | 168 lm | 5,1% |
| 90-100° | 97 lm | 2,9% |
| 100-110° | 92 lm | 2,8% |
| 110-120° | 78 lm | 2,3% |
| 120-130° | 58 lm | 1,8% |
| 130-140° | 33 lm | 1,0% |
| 140-150° | 18 lm | 0,6% |
| 150-160° | 12 lm | 0,3% |
| 160-170° | 5 lm | 0,2% |
| 170-180° | 1 lm | 0,0% |
| Total | 3319 lm | 100,0% |

Intensity peaks

| | |
|----------------|--------|
| Max intensity | 838 cd |
| Intensity, 90° | 105 cd |
| Intensity, 0° | 838 cd |

Zonal Lumen summary

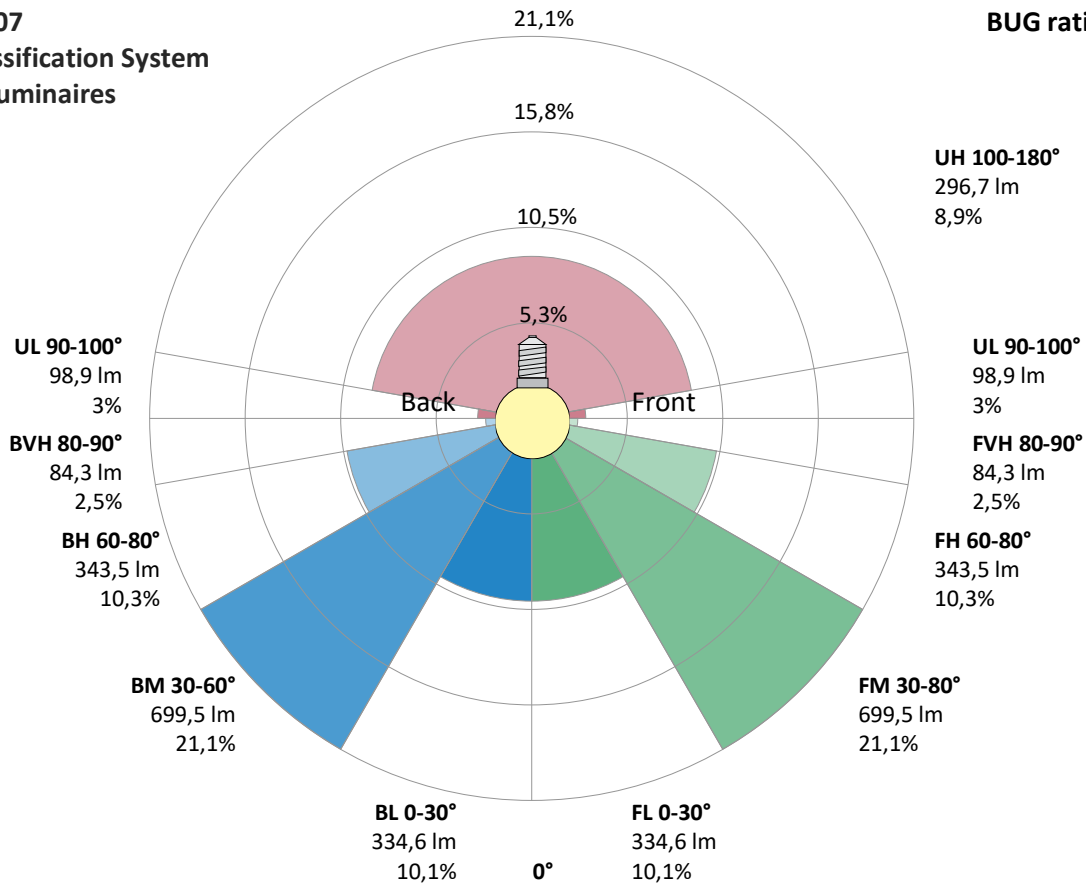
| Zone (γ) | Lumen | % Total |
|----------|---------|---------|
| 0-30° | 670 lm | 20,2% |
| 0-40° | 1117 lm | 33,6% |
| 0-60° | 2070 lm | 62,4% |
| 60-90° | 855 lm | 25,8% |
| 70-100° | 554 lm | 16,7% |
| 90-120° | 267 lm | 8,0% |
| 0-90° | 2925 lm | 88,1% |
| 90-180° | 394 lm | 11,9% |
| 0-180° | 3319 lm | 100,0% |

BUG rating

| | Lumen | % Total |
|----------------------|--------|---------|
| Forward light | | |
| Low(0-30°) | 335 lm | 10,1% |
| Medium(30-60°) | 700 lm | 21,1% |
| High(60-80°) | 343 lm | 10,3% |
| Very high(80-90°) | 84 lm | 2,5% |
| Back light | | |
| Low(0-30°) | 335 lm | 10,1% |
| Medium(30-60°) | 700 lm | 21,1% |
| High(60-80°) | 343 lm | 10,3% |
| Very high(80-90°) | 84 lm | 2,5% |
| Uplight | | |
| Low(90-100°) | 99 lm | 3,0% |
| High(100-180°) | 297 lm | 8,9% |

IESNA TM-15-07 Luminaire Classification System For Outdoor Luminaires

BUG rating B1 U3 G1



Light Measurement Report

Print date: 6-2-2025

Measurement date and time: 6-2-2025 08:57:28 – Measurement no. VFR-250206-3252-MS

Measurement tracking No. and Link: [VT250206-006573](#)

Operator:

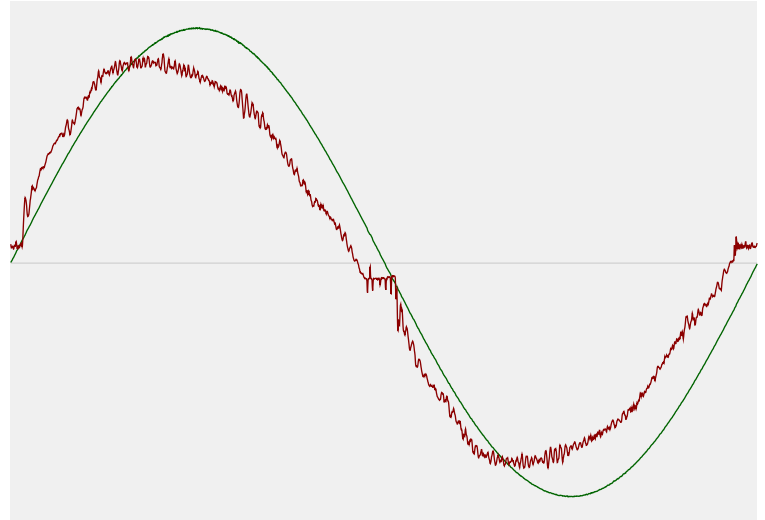


Power Details

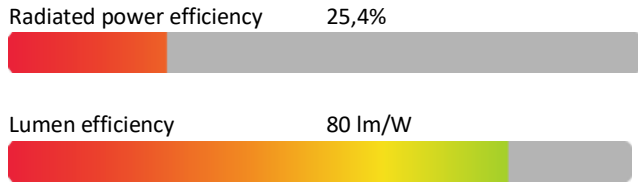
Input Power

| | |
|---|----------|
| Power feed to light source | 41,3 W |
| Frequency of input power | 50 Hz |
| RMS Input voltage feed, V_{RMS} | 230 V |
| RMS Input current feed, I_{RMS} | 0,184 A |
| Volt-Ampere or apparent power = $V_{RMS} * I_{RMS}$ | 42,34 VA |
| Displacement factor of AC power feed | 0,97 |
| Power factor of AC current feed | 0,98 |
| Total harmonic distortion of the current | 7,73% |
| Total harmonic distortion of the voltage | 0,14% |

Input Power Curve



Efficiency



Stabilization Details

Warmup Conditions

| | |
|-------------------|--------|
| Stable period | 15 min |
| Stable change max | 2,0% |
| Minimum time | 15 min |

Color Temperature Change

| | |
|-----------|--------|
| CCT start | 5008 K |
| CCT shift | -8 K |
| CCT end | 5000 K |

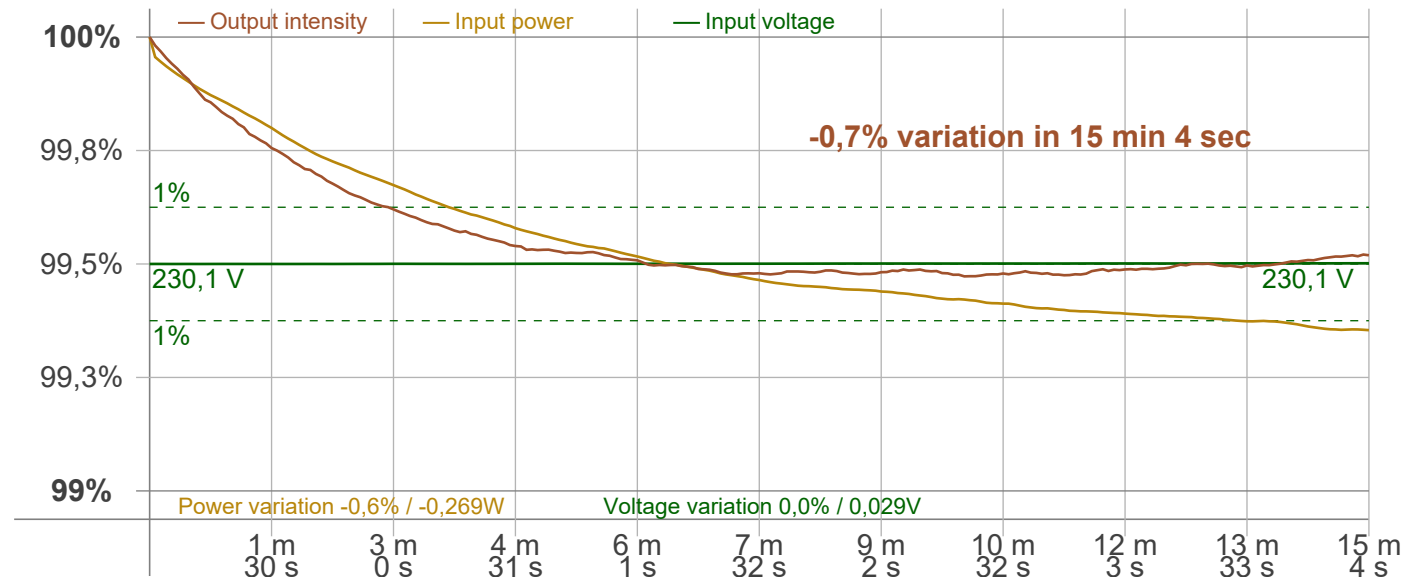
Warmup Result

| | |
|-------------------|---------------------------------|
| Total warmup time | Lamp stabilized in 15 min 4 sec |
| Warmup variation | -0,7% |

Output Change

| | |
|---------------|---------|
| Output start | 3337 lm |
| Output change | -18 lm |
| Output end | 3319 lm |

Stabilization Curve



Light Measurement Report

Print date: 6-2-2025

Measurement date and time: 6-2-2025 08:57:28 – Measurement no. VFR-250206-3252-MS

Measurement tracking No. and Link: [VT250206-006573](https://www.viso-systems.com/VT250206-006573)

Operator:



Flicker /TLA details

Flicker Meter Type: Viso Systems LabFlicker
 Frequency of input power: 50 Hz
 Flicker/TLA sample rate: 40000 samples/s

Measurement time
 PstLM: 180 sec
 All other indices: 1,2 sec

Flicker indices according to Illuminating Engineering Society (IES)

Flicker frequency: 100,25 Hz
 Percent Flicker: 0,22 %
 Flicker index: 0

Flicker indices according to California Energy Commission (CEC) 2016b

JA8/10 40 Hz: n/a %
 JA8/10 90 Hz: n/a %
 JA8/10 200 Hz: n/a %
 JA8/10 400 Hz: n/a %
 JA8/10 1000 Hz: n/a %

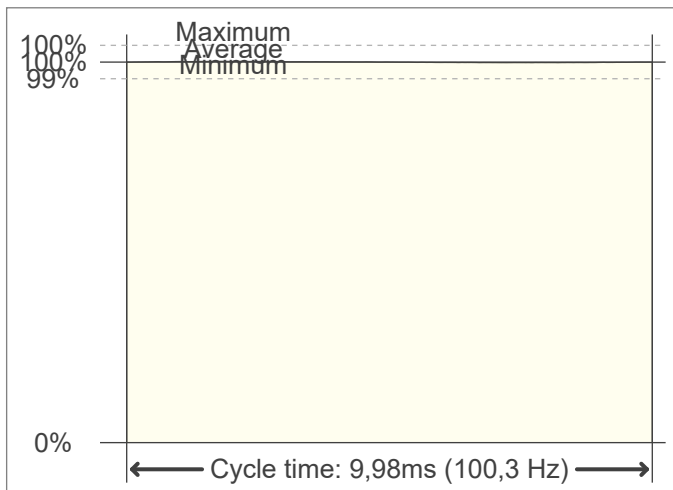
TLA indices (re IEC TR 61547-1, IEC 61000-3-3 and IEC 61000-4-15)

PstLM value (F < 80 Hz): 0,02
 SVM value (80 < F < 2000 Hz): 0,01

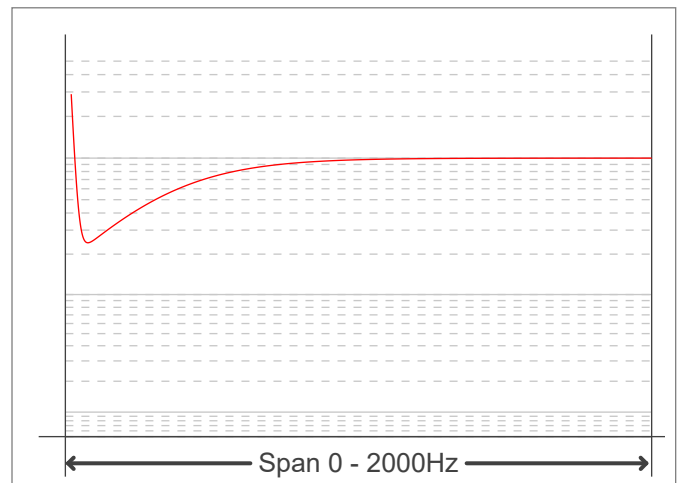
Flicker indices according to Lighting Research Center (2015)

Perception metric, Assist Mp: n/a

Flicker frame (frame of one flicker period in time domain)



Flicker FFT (flicker curve in frequency domain)



IEEE 1789 Frequency/modulation plot

