

Light Measurement Report

Print date: 15-9-2025

Measurement date and time: 15-9-2025 15:35:29 – Measurement no. VFR-250915-3206-MS

Measurement tracking No. and Link: [VT250915-006615](#)

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

12 planes – 30°
5°
9,59 m
32,8 W – PF 0,98 – DPF 0,98
230 V – 0,145 A
50 Hz
Lamp stabilized in 15 min 2 sec – 2,0%

Tested Light Source

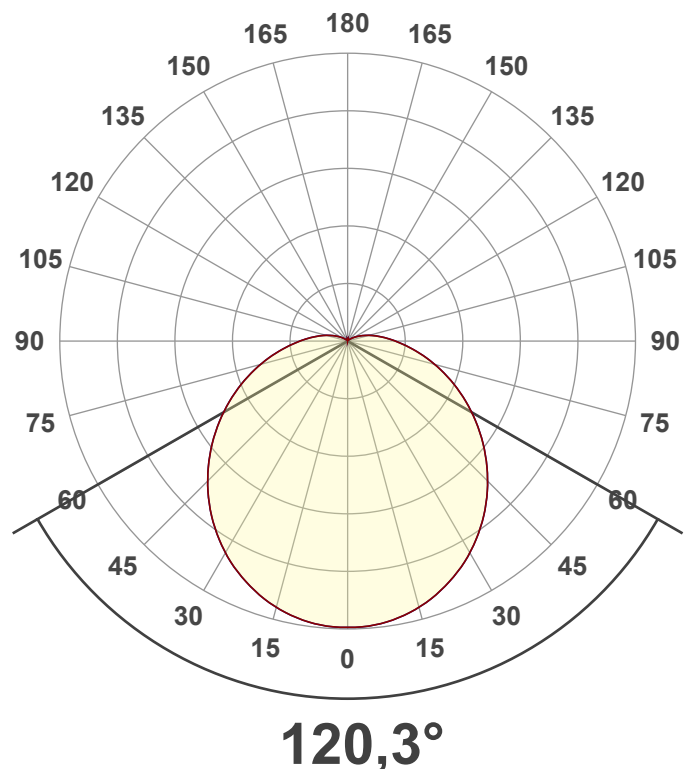
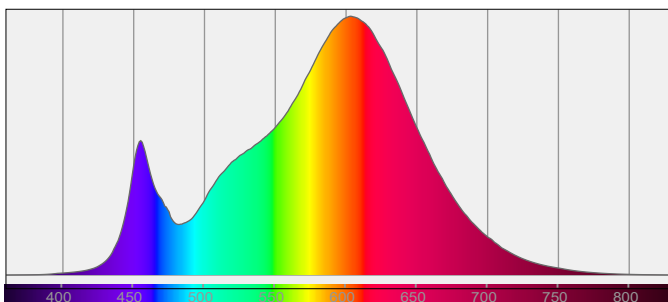
Product Name
Item No. and Manufacturer
Product Description (line 1)

813659-3000K-30W
813659-3000K-30W – Dutchfulfillment
LED BATTEN | CLIFF | 25-45W | 120CM | PHILIPS DRIVER | CCT-SWITCH

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

3674 lm – 8,15% / 91,85%
112 lm/W
1015 cd – 120,3°
CCT = 3000 K / 2927 K
CRI 82,5
 R_f 84,5 – R_g 94,7
Duv -0,0009 – SDCM 2,6
SVM 0,01 – PstLM 0,01



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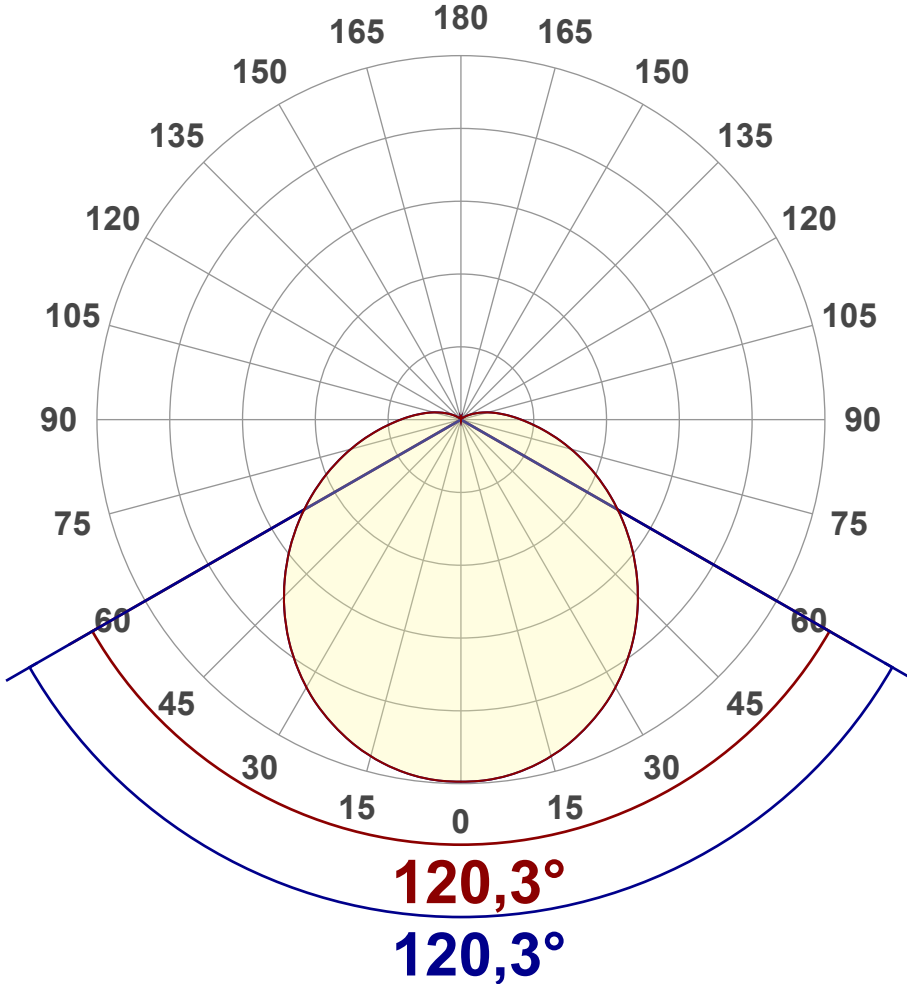
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Operator:



Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

| | |
|----------------------|----------------|
| Output (total Lumen) | 3674 lm |
| Lumen Up% / Down% | 8,15% / 91,85% |
| Peak Intensity | 1015 cd |
| Beam Angle (50%) | 120,3° |
| Beam Angle (90%) | 120,3° |
| Beam Angle (10%) | 120,3° |

Cut-off Angle

| | |
|--------------|------|
| Average 2,5% | 241° |
|--------------|------|

Field Angle

| | |
|-------------|------|
| Average 10% | 201° |
|-------------|------|

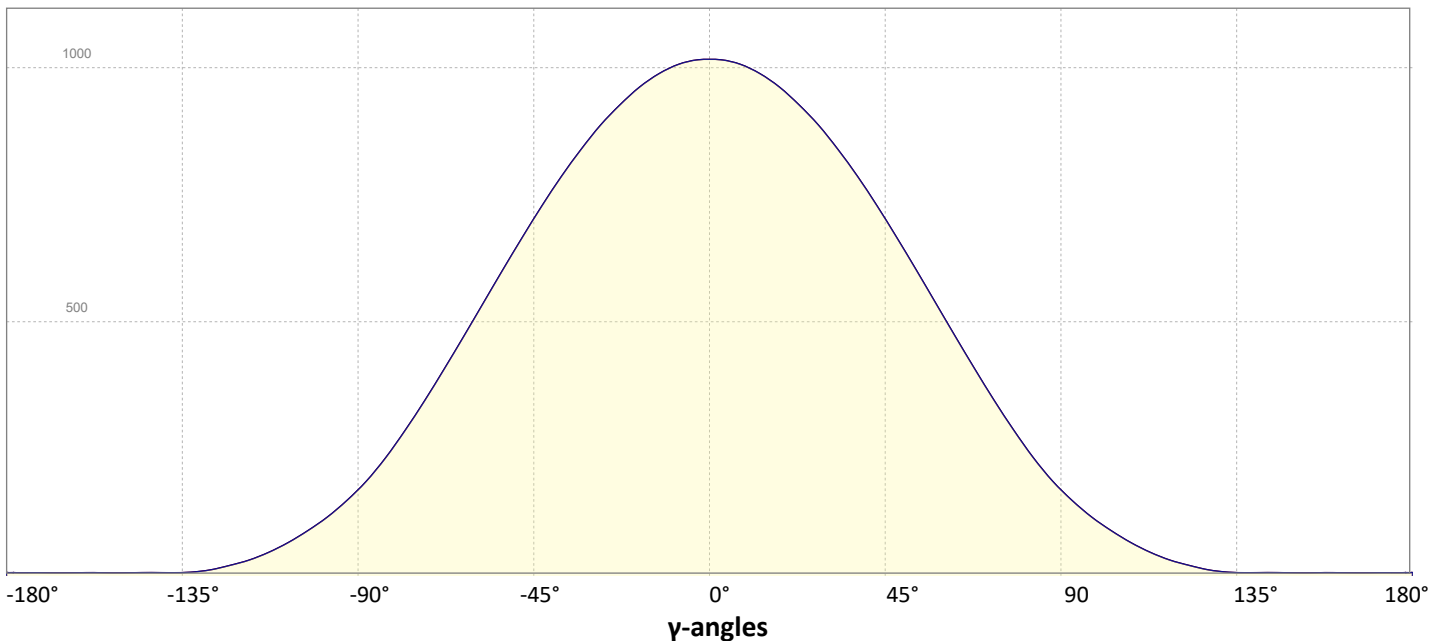
Intensity Ratio

| | |
|--------------|-------|
| In 120° cone | 64,3% |
| In 90° cone | 42,9% |

C000-C180

C090-C270

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



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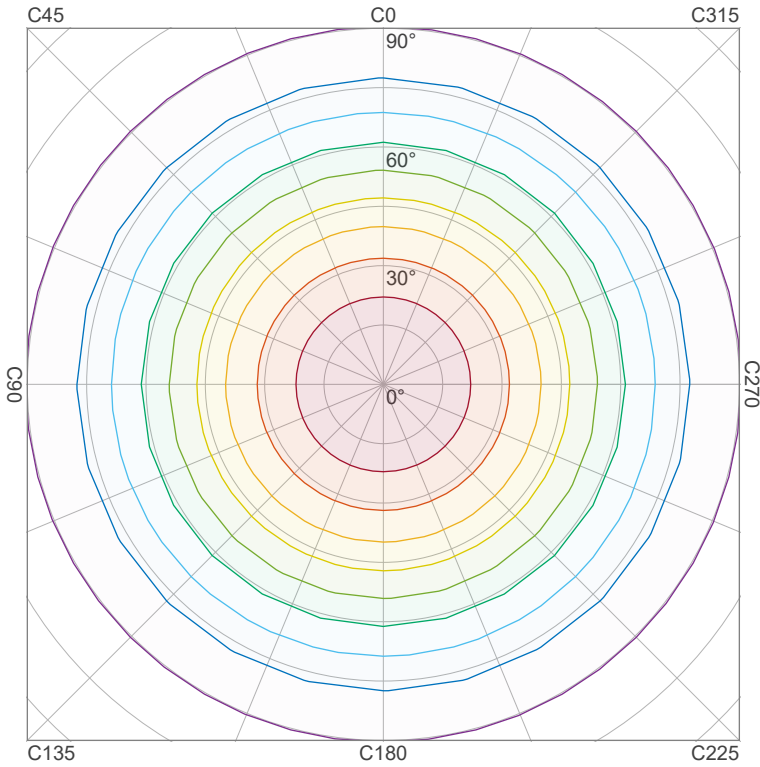
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Operator:



Iso-intensity Diagram (Iso-candela)

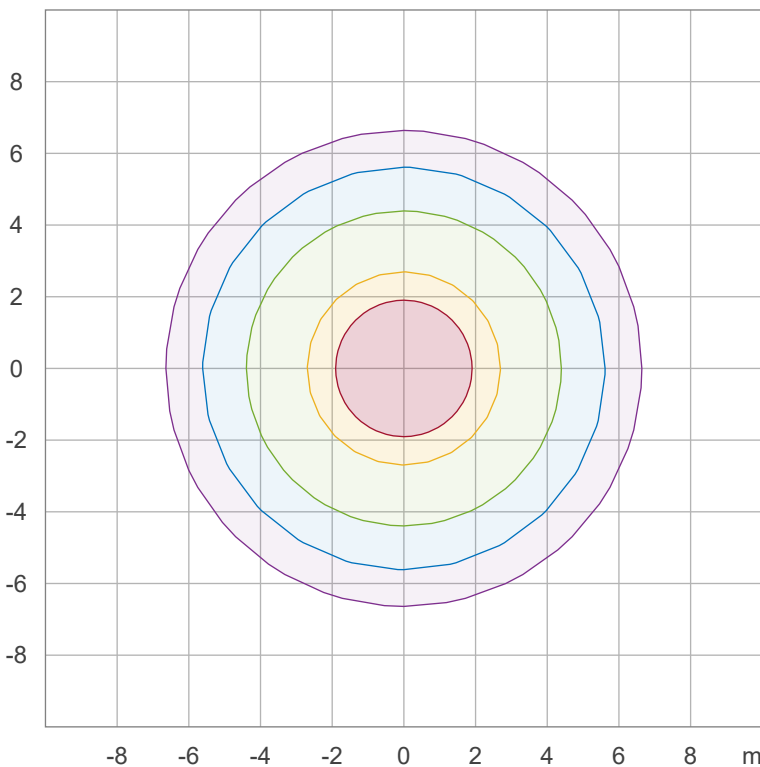


| | |
|------|----------|
| 90 % | 913,9 cd |
| 80 % | 812,4 cd |
| 70 % | 710,8 cd |
| 60 % | 609,3 cd |
| 50 % | 507,7 cd |
| 40 % | 406,2 cd |
| 30 % | 304,6 cd |
| 20 % | 203,1 cd |
| 10 % | 101,5 cd |

Peak intensity: 1015,5 cd

Number of c-planes: 12

Iso-illuminance Diagram (Iso-lux)



| | |
|--------|---------|
| 50,0 % | 56,4 lx |
| 30,0 % | 33,8 lx |
| 10,0 % | 11,3 lx |
| 5,0 % | 5,6 lx |
| 3,0 % | 3,4 lx |

Peak illuminance: 112,8 lx

Mounting height: 3,0 m

Number of c-planes: 12

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Operator:

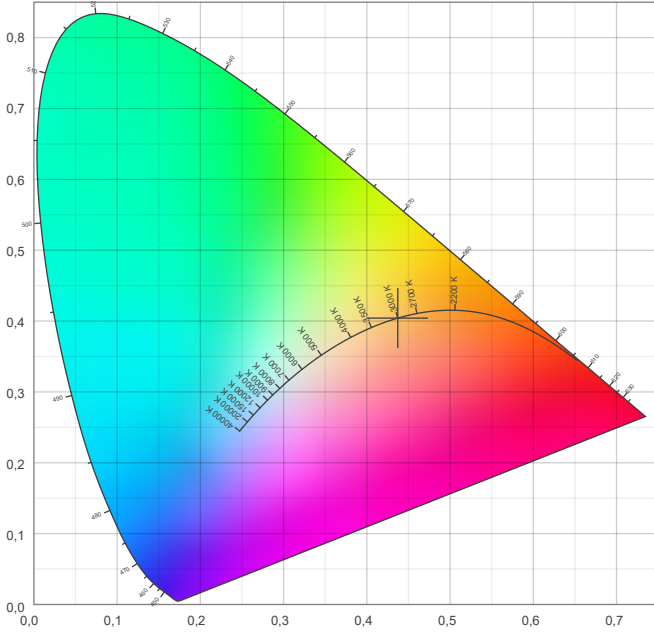


Color details

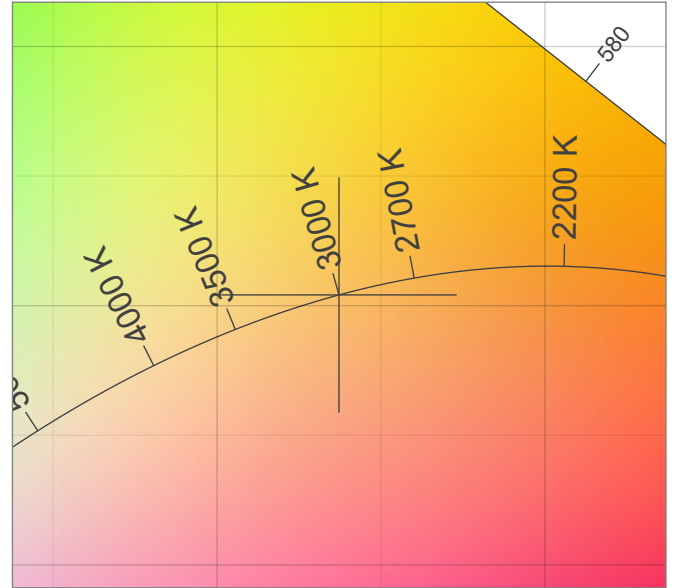
Correlated Color Temperature, Target CCT = 3000 K
 Correlated Color Temperature, Measured CCT = 2927 K
 Color Rendering Index CRI 82,5
 Color Rendering Index, R9 (red component) R9 = 6,2
 Color Rendering TM30-18 R_f 84,5 – R_g 94,7
 Color Quality Scale CQS = 81,8

MacAdam Steps SDCM = 2,6
 Color coordinates CIE 1931 (x;y) = (0,437;0,404)
 Color coordinate CIEs 1960 (u;v) = (0,251;0,348)
 Color deviation from BBL Duv = -0,0009
 Color coordinate CIEs 1976 (CIELUV) (u';v') = (0,251;0,521)

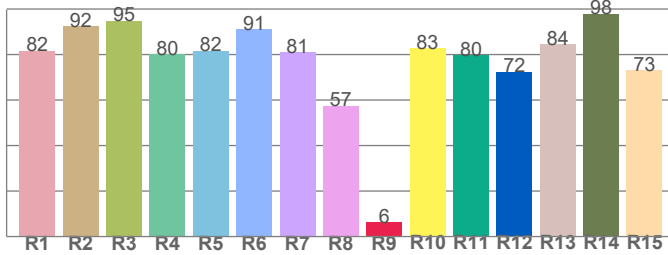
CIE 1931



CIE 1931 – zoomed on Planckian locus



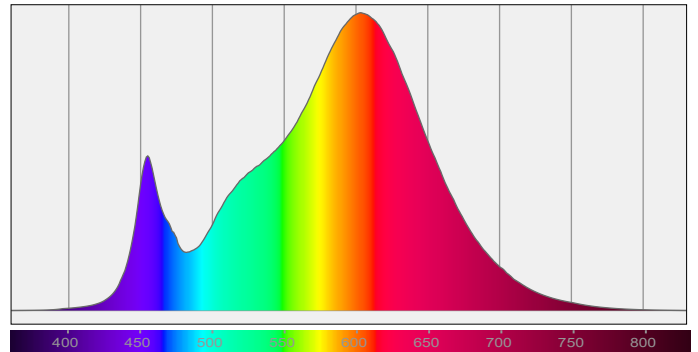
Color Rendering Index per reference color (CIE 1995)



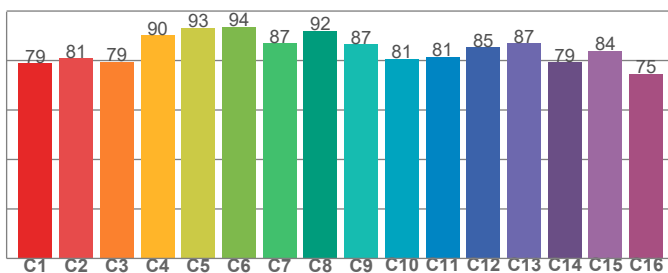
CRI R values, only R1-R8 are used to calculate final CRI value

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
| 81,6 | 92,5 | 94,8 | 80,0 | 81,7 | 91,2 | 81,1 | 57,5 | 6,2 | 82,8 | 79,6 | 72,4 | 84,5 | 98,0 | 73,1 |

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



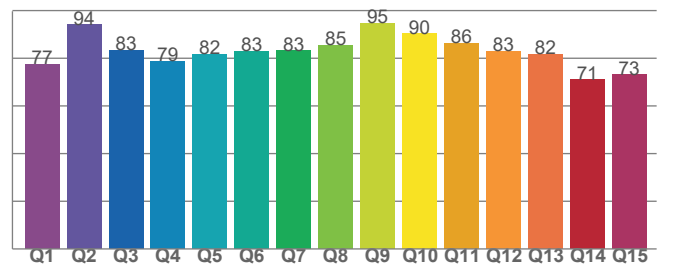
TM30-18 R_f-values per hue bin



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 |
| 78,9 | 81,0 | 79,5 | 90,1 | 93,3 | 93,7 | 87,1 | 92,1 | 86,7 | 80,8 | 81,5 | 85,5 | 86,9 | 79,2 | 84,0 | 74,7 |

Color Quality Scale by reference color



CQS Q values

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
| 77,4 | 94,1 | 83,3 | 78,7 | 81,7 | 83,1 | 83,2 | 85,4 | 94,7 | 90,2 | 86,3 | 83,0 | 81,7 | 71,0 | 73,1 |

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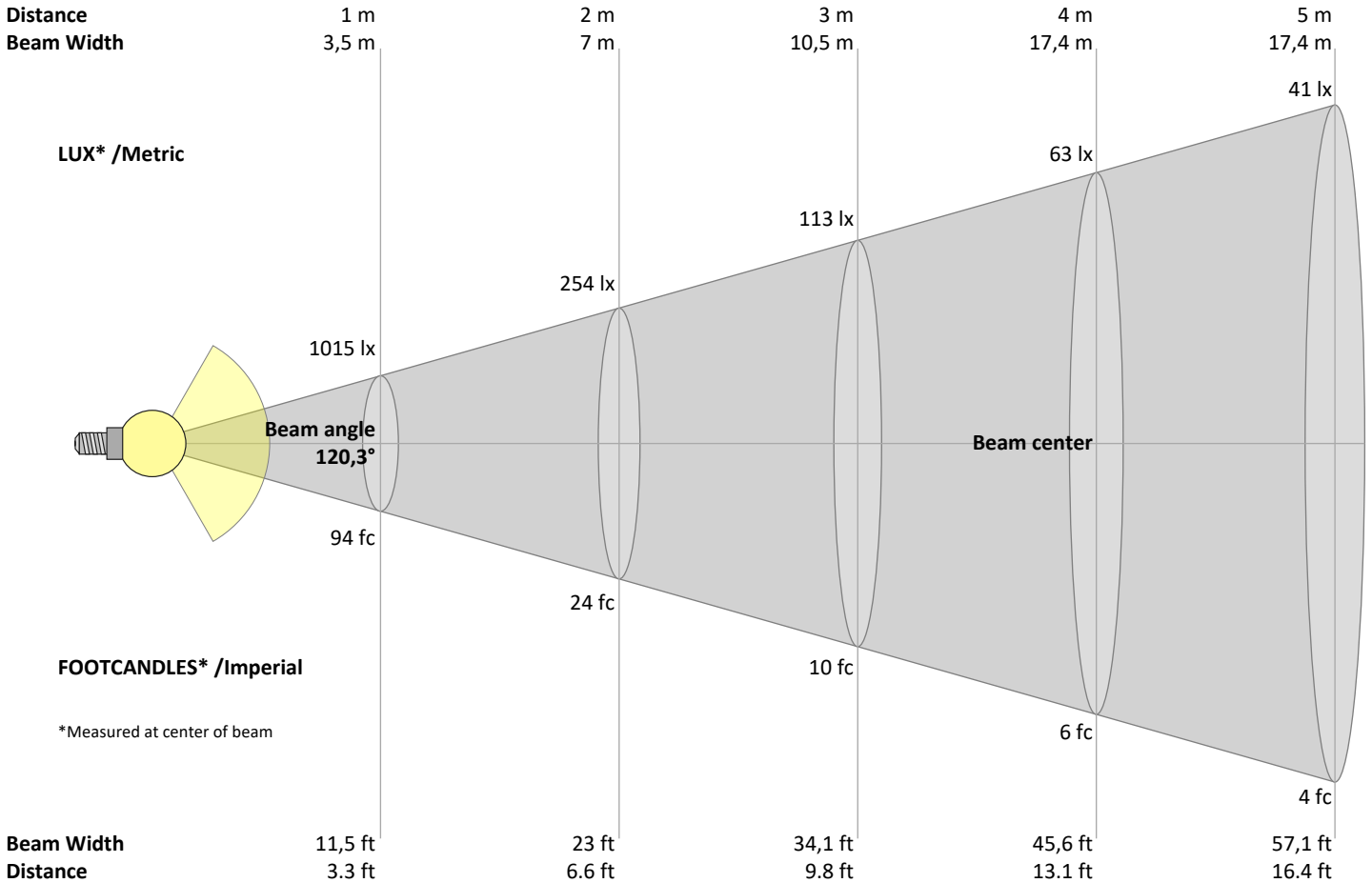
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Operator:



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 |
| 1015 | 254 | 113 | 63 | 41 | 28 | 21 | 16 | 13 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 3 | 3 | 3 | lux |
| 94,3 | 23,6 | 10,5 | 5,9 | 3,8 | 2,6 | 1,9 | 1,5 | 1,2 | 0,9 | 0,8 | 0,7 | 0,6 | 0,5 | 0,4 | 0,4 | 0,3 | 0,3 | 0,3 | 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 |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 1015 | 1003 | 961 | 894 | 806 | 702 | 588 | 470 | 356 | 253 | 170 | 109 | 65 | 34 | 15 | 7 | 6 | 6 | 6 | 6 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 25% | 17% | 11% | 6% | 3% | 1% | 1% | 1% | 1% | 1% | 1% | 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 |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 1015 | 1003 | 961 | 894 | 806 | 702 | 588 | 470 | 356 | 253 | 170 | 109 | 65 | 34 | 15 | 7 | 6 | 6 | 6 | 6 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 25% | 17% | 11% | 6% | 3% | 1% | 1% | 1% | 1% | 1% | 1% | 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 |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 1015 | 1003 | 961 | 894 | 806 | 702 | 588 | 470 | 356 | 253 | 170 | 109 | 65 | 34 | 15 | 7 | 6 | 6 | 6 | 6 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 25% | 17% | 11% | 6% | 3% | 1% | 1% | 1% | 1% | 1% | 1% | 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 |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 1015 | 1003 | 961 | 894 | 806 | 702 | 588 | 470 | 356 | 253 | 170 | 109 | 65 | 34 | 15 | 7 | 6 | 6 | 6 | 6 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 25% | 17% | 11% | 6% | 3% | 1% | 1% | 1% | 1% | 1% | 1% | 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 | 20,1 | 21,3 | 20,5 | 21,8 | 22,2 | 20,5 | 21,7 | 20,9 | 22,2 | 22,6 |
| | 3H | 21,9 | 23,2 | 22,4 | 23,6 | 24,0 | 22,5 | 23,7 | 23,0 | 24,1 | 24,5 |
| | 4H | 22,8 | 24,0 | 23,3 | 24,4 | 24,9 | 23,5 | 24,7 | 24,0 | 25,1 | 25,6 |
| | 6H | 23,8 | 24,8 | 24,2 | 25,2 | 25,8 | 24,7 | 25,7 | 25,1 | 26,1 | 26,7 |
| | 8H | 24,2 | 25,2 | 24,6 | 25,7 | 26,2 | 25,2 | 26,3 | 25,7 | 26,7 | 27,3 |
| | 12H | 24,6 | 25,6 | 25,1 | 26,1 | 26,6 | 25,9 | 26,9 | 26,3 | 27,3 | 27,9 |
| 4H | 2H | 20,8 | 22,0 | 21,3 | 22,4 | 22,9 | 21,1 | 22,3 | 21,6 | 22,7 | 23,2 |
| | 3H | 22,9 | 24,0 | 23,4 | 24,4 | 25,0 | 23,4 | 24,5 | 23,9 | 24,9 | 25,5 |
| | 4H | 23,9 | 25,0 | 24,5 | 25,4 | 26,1 | 24,5 | 25,6 | 25,1 | 26,0 | 26,7 |
| | 6H | 25,0 | 25,9 | 25,6 | 26,4 | 26,9 | 25,8 | 26,7 | 26,4 | 27,2 | 27,7 |
| | 8H | 25,5 | 26,3 | 26,1 | 26,8 | 27,3 | 26,5 | 27,3 | 27,1 | 27,8 | 28,3 |
| | 12H | 26,0 | 26,7 | 26,6 | 27,2 | 27,8 | 27,2 | 27,9 | 27,8 | 28,4 | 29,1 |
| 8H | 4H | 24,4 | 25,2 | 25,0 | 25,7 | 26,3 | 24,9 | 25,7 | 25,5 | 26,2 | 26,8 |
| | 6H | 25,7 | 26,3 | 26,3 | 26,9 | 27,6 | 26,4 | 27,0 | 27,0 | 27,6 | 28,3 |
| | 8H | 26,4 | 26,9 | 27,0 | 27,6 | 28,3 | 27,2 | 27,8 | 27,9 | 28,5 | 29,2 |
| | 12H | 27,0 | 27,5 | 27,7 | 28,1 | 28,9 | 28,2 | 28,6 | 28,8 | 29,3 | 30,0 |
| 12H | 4H | 24,5 | 25,2 | 25,1 | 25,8 | 26,4 | 25,0 | 25,7 | 25,6 | 26,2 | 26,8 |
| | 6H | 25,9 | 26,5 | 26,5 | 27,1 | 27,9 | 26,6 | 27,1 | 27,2 | 27,8 | 28,5 |
| | 8H | 26,6 | 27,1 | 27,3 | 27,7 | 28,5 | 27,4 | 27,9 | 28,1 | 28,6 | 29,3 |

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

| | | |
|----------|------------|------------|
| S = 1.0H | 0,1 / -0,1 | 0,1 / -0,1 |
| S = 1.5H | 0,1 / -0,1 | 0,1 / -0,1 |
| S = 2.0H | 0,2 / -0,3 | 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 | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 100 | 100 | 100 | 95 | 95 | 95 | 92 |
| 1 | 105 | 99 | 94 | 89 | 101 | 96 | 91 | 87 | 90 | 86 | 83 | 84 | 81 | 79 | 80 | 77 | 75 | 72 |
| 2 | 94 | 85 | 77 | 71 | 91 | 82 | 75 | 69 | 77 | 72 | 66 | 73 | 68 | 64 | 69 | 65 | 61 | 58 |
| 3 | 85 | 74 | 65 | 58 | 82 | 72 | 64 | 57 | 68 | 61 | 55 | 64 | 58 | 53 | 60 | 55 | 51 | 48 |
| 4 | 78 | 65 | 56 | 49 | 75 | 63 | 55 | 48 | 60 | 52 | 46 | 56 | 50 | 45 | 53 | 48 | 43 | 41 |
| 5 | 72 | 58 | 49 | 42 | 69 | 56 | 48 | 41 | 53 | 46 | 40 | 50 | 44 | 39 | 48 | 42 | 37 | 35 |
| 6 | 66 | 52 | 43 | 36 | 63 | 51 | 42 | 36 | 48 | 40 | 35 | 46 | 39 | 34 | 43 | 37 | 33 | 30 |
| 7 | 61 | 47 | 38 | 32 | 59 | 46 | 37 | 31 | 44 | 36 | 30 | 41 | 35 | 30 | 39 | 33 | 29 | 27 |
| 8 | 57 | 43 | 34 | 28 | 55 | 42 | 34 | 28 | 40 | 32 | 27 | 38 | 31 | 26 | 36 | 30 | 26 | 24 |
| 9 | 53 | 39 | 31 | 25 | 51 | 38 | 30 | 25 | 37 | 29 | 24 | 35 | 28 | 24 | 33 | 28 | 23 | 21 |
| 10 | 50 | 36 | 28 | 23 | 48 | 35 | 28 | 23 | 34 | 27 | 22 | 32 | 26 | 22 | 31 | 25 | 21 | 19 |

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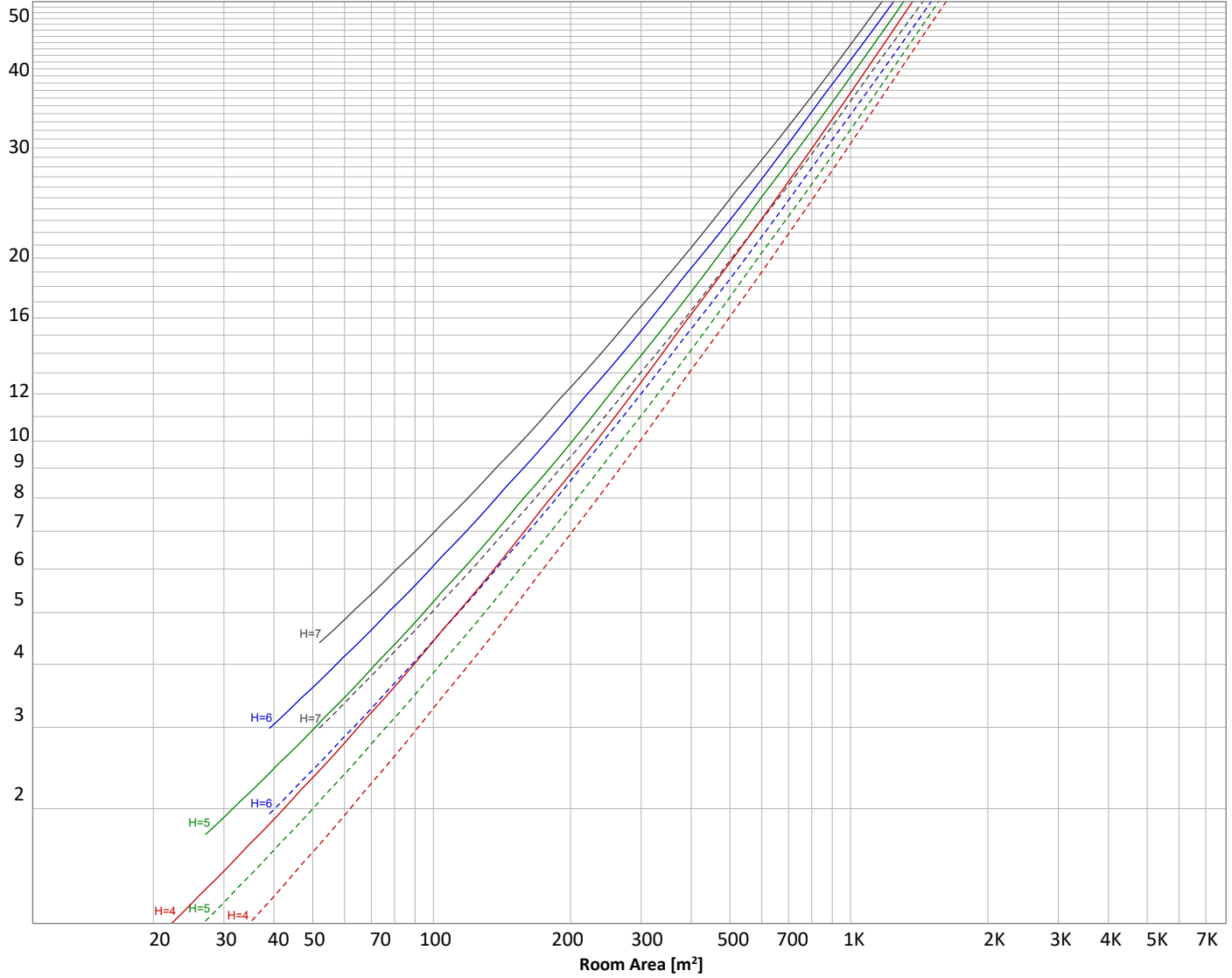
Operator:



Luminaire budgetary diagram

Uncorrected, comprehensive UGR table according to 117-1995

LAMPS (number of lamps)



Conditions

| | | | | | |
|---|----------------|-----------|---------------------|--------------------------|-------------------|
| H = Room height | Flux = 3674 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° |
| 96,3 lm | 276 lm | 420 lm | 512 lm | 543 lm | 515 lm | 441 lm | 339 lm | 233 lm |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 147 lm | 83,7 lm | 39,7 lm | 15,1 lm | 5,26 lm | 3,91 lm | 2,75 lm | 1,67 lm | 0,575 lm |

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Operator:



Outdoor Light Planning

Lumen per Zone

| Zone (γ) | Lumen | % Total |
|--------------|----------------|---------------|
| 0-10° | 96 lm | 2,6% |
| 10-20° | 276 lm | 7,5% |
| 20-30° | 420 lm | 11,4% |
| 30-40° | 512 lm | 13,9% |
| 40-50° | 543 lm | 14,8% |
| 50-60° | 515 lm | 14,0% |
| 60-70° | 441 lm | 12,0% |
| 70-80° | 339 lm | 9,2% |
| 80-90° | 233 lm | 6,3% |
| 90-100° | 147 lm | 4,0% |
| 100-110° | 84 lm | 2,3% |
| 110-120° | 40 lm | 1,1% |
| 120-130° | 15 lm | 0,4% |
| 130-140° | 5 lm | 0,1% |
| 140-150° | 4 lm | 0,1% |
| 150-160° | 3 lm | 0,1% |
| 160-170° | 2 lm | 0,0% |
| 170-180° | 1 lm | 0,0% |
| Total | 3674 lm | 100,0% |

Intensity peaks

| | |
|----------------|---------|
| Max intensity | 1015 cd |
| Intensity, 90° | 170 cd |
| Intensity, 0° | 1015 cd |

Zonal Lumen summary

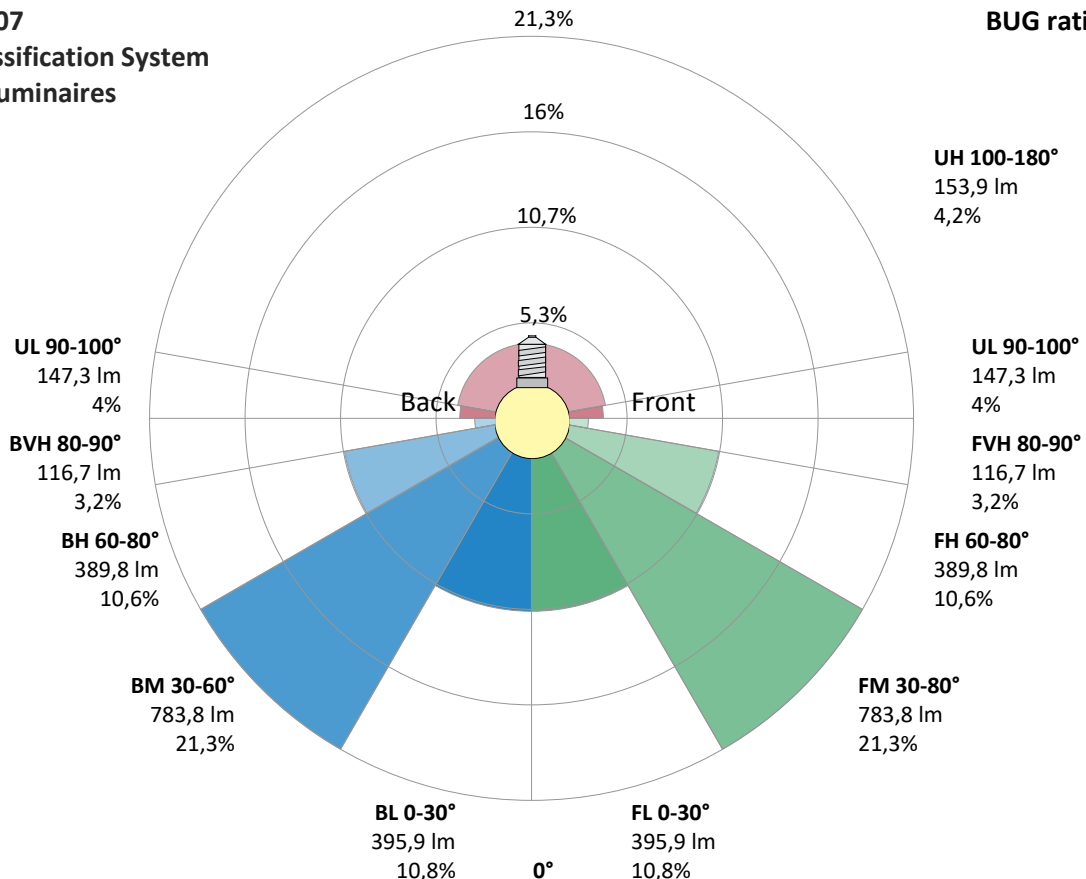
| Zone (γ) | Lumen | % Total |
|----------|---------|---------|
| 0-30° | 793 lm | 21,6% |
| 0-40° | 1305 lm | 35,5% |
| 0-60° | 2362 lm | 64,3% |
| 60-90° | 1012 lm | 27,6% |
| 70-100° | 718 lm | 19,6% |
| 90-120° | 270 lm | 7,4% |
| 0-90° | 3374 lm | 91,8% |
| 90-180° | 299 lm | 8,2% |
| 0-180° | 3674 lm | 100,0% |

BUG rating

| | Lumen | % Total |
|----------------------|--------|---------|
| Forward light | | |
| Low(0-30°) | 396 lm | 10,8% |
| Medium(30-60°) | 784 lm | 21,3% |
| High(60-80°) | 390 lm | 10,6% |
| Very high(80-90°) | 117 lm | 3,2% |
| Back light | | |
| Low(0-30°) | 396 lm | 10,8% |
| Medium(30-60°) | 784 lm | 21,3% |
| High(60-80°) | 390 lm | 10,6% |
| Very high(80-90°) | 117 lm | 3,2% |
| Uplight | | |
| Low(90-100°) | 147 lm | 4,0% |
| High(100-180°) | 154 lm | 4,2% |

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

BUG rating B1 U3 G2



Light Measurement Report

Print date: 15-9-2025

Measurement date and time: 15-9-2025 15:35:29 – Measurement no. VFR-250915-3206-MS

Measurement tracking No. and Link: [VT250915-006615](#)

Operator:

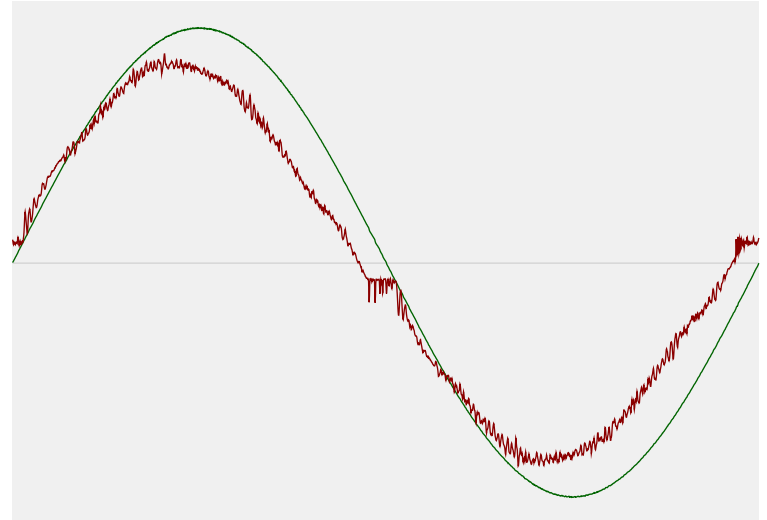


Power Details

Input Power

| | |
|---|----------|
| Power feed to light source | 32,8 W |
| Frequency of input power | 50 Hz |
| RMS Input voltage feed, V_{RMS} | 230 V |
| RMS Input current feed, I_{RMS} | 0,145 A |
| Volt-Ampere or apparent power = $V_{RMS} * I_{RMS}$ | 33,46 VA |
| Displacement factor of AC power feed | 0,98 |
| Power factor of AC current feed | 0,98 |
| Total harmonic distortion of the current | 6,35% |
| Total harmonic distortion of the voltage | 0,07% |

Input Power Curve



Efficiency

| | |
|---------------------------|----------|
| Radiated power efficiency | 34,2% |
| | |
| Lumen efficiency | 112 lm/W |
| | |

Stabilization Details

Warmup Conditions

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

Color Temperature Change

| | |
|-----------|--------|
| CCT start | 2995 K |
| CCT shift | +5 K |
| CCT end | 3000 K |

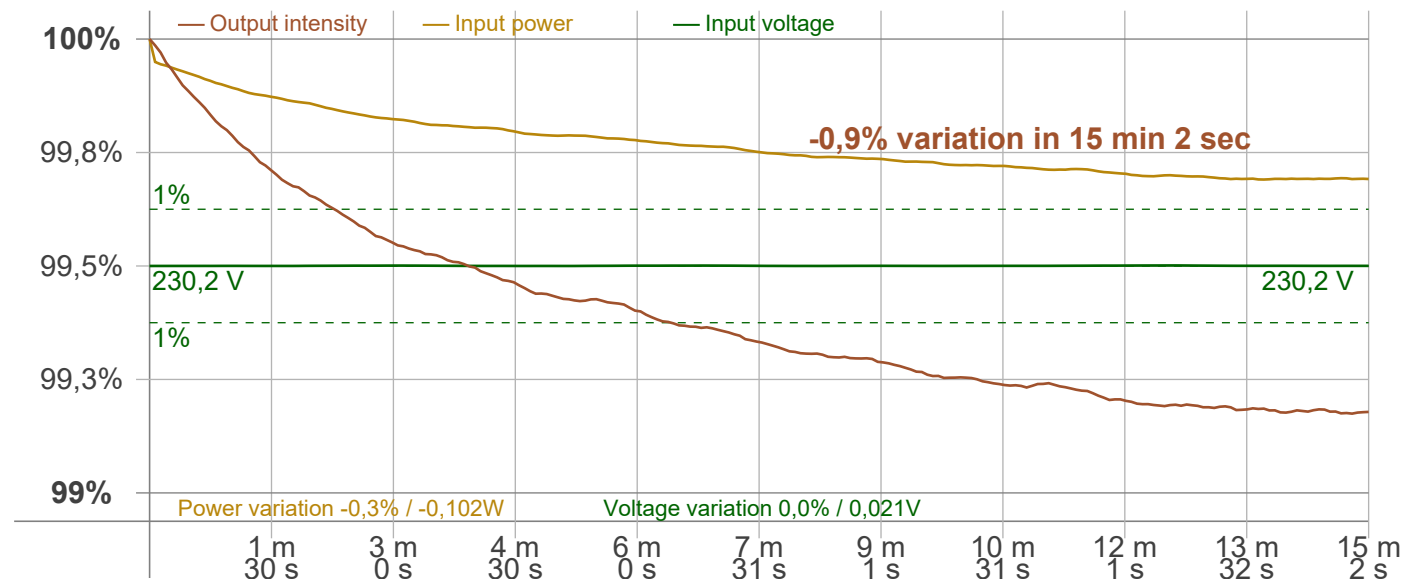
Warmup Result

| | |
|-------------------|---------------------------------|
| Total warmup time | Lamp stabilized in 15 min 2 sec |
| Warmup variation | -0,9% |

Output Change

| | |
|---------------|---------|
| Output start | 3706 lm |
| Output change | -33 lm |
| Output end | 3674 lm |

Stabilization Curve



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Measurement tracking No. and Link: [VT250915-006615](https://www.viso-systems.com/VT250915-006615)

Operator:



Flicker /TLA details

Flicker Meter Type Viso Systems LabFlicker
 Frequency of input power 50 Hz
 Flicker/TLA sample rate 20000 samples/s

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

Flicker indices according to Illuminating Engineering Society (IES)

Flicker frequency 100 Hz
 Percent Flicker 0,38 %
 Flicker index 0

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

JA8/10 40 Hz 0,01 %
 JA8/10 90 Hz 0,05 %
 JA8/10 200 Hz 0,37 %
 JA8/10 400 Hz 0,37 %
 JA8/10 1000 Hz 0,37 %

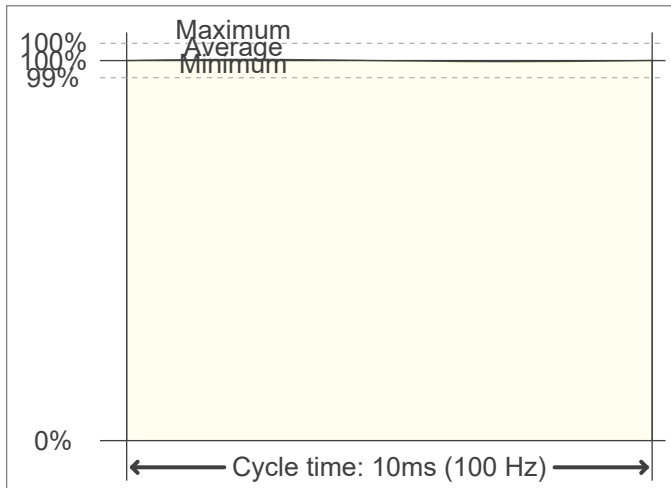
TLA indices (re IEC TR 61547-1, IEC 61000-3-3 and IEC 61000-4-15)

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

Flicker indices according to Lighting Research Center (2015)

Perception metric, Assist Mp 0

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



Flicker FFT (flicker curve in frequency domain)



IEEE 1789 Frequency/modulation plot

