

Light Measurement Report

Print date: 20-8-2025

Measurement date and time: 20-8-2025 08:50:07 – Measurement no. VFR-250820-2624-MS

Measurement tracking No. and Link: [VT250820-001145](#)

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°
12,10 m
74,5 W – PF 0,97 – DPF 0,97
230 V – 0,335 A
50 Hz
Lamp stabilized in 15 min 1 sec – 2,0%

Tested Light Source

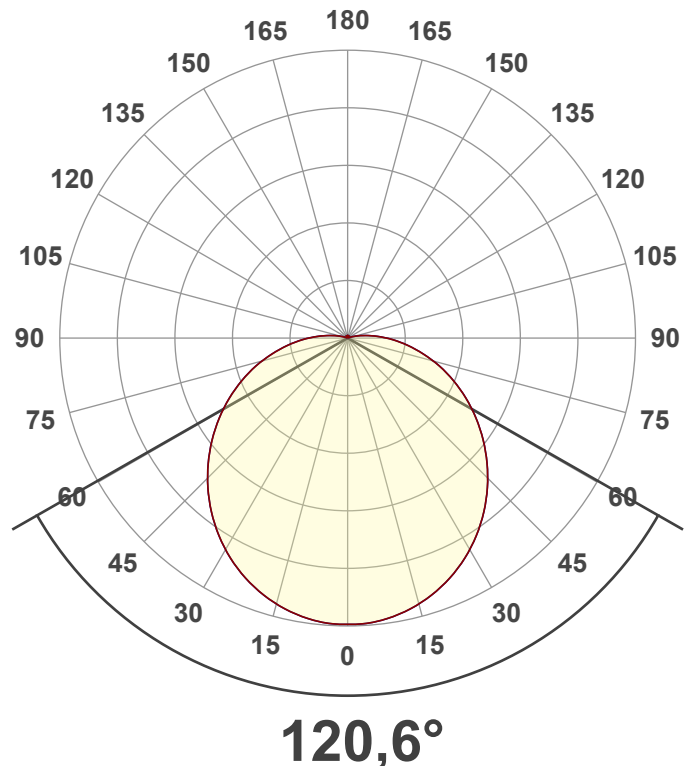
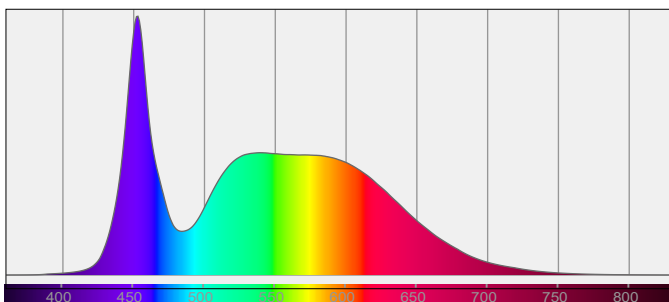
Product Name
Item No. and Manufacturer
Product Description (line 1)

810351-5700K
810351-5700K – Dutchfulfillment
LICHTLIJN MODULE | JUPITER | 29-75W | 120° | 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

10727 lm – 4,25% / 95,75%
144 lm/W
3116 cd – 120,6°
CCT = 5700 K / 5809 K
CRI 82,9
 R_f 82,1 – R_g 96,3
Duv 0,0021 – SDCM 3,4
SVM 0,03 – PstLM 0,02



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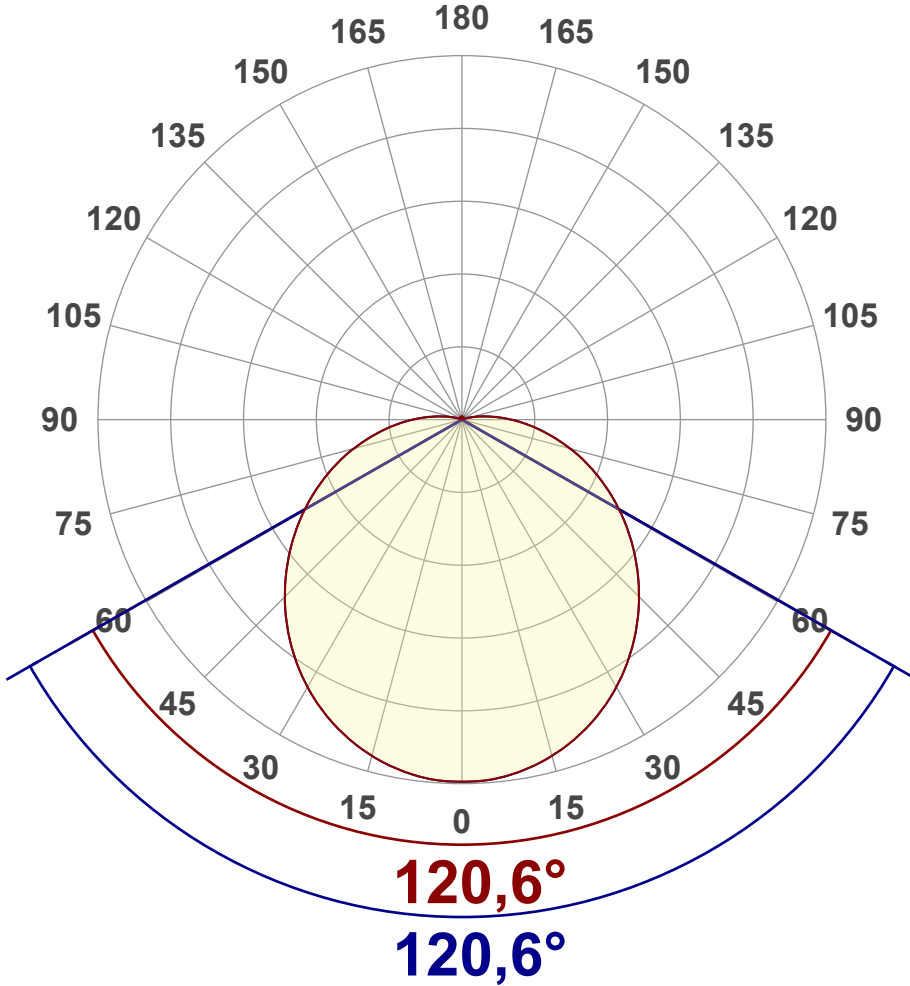
Measurement tracking No. and Link: [VT250820-001145](#)

Operator:



Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

| | |
|----------------------|----------------|
| Output (total Lumen) | 10727 lm |
| Lumen Up% / Down% | 4,25% / 95,75% |
| Peak Intensity | 3116 cd |
| Beam Angle (50%) | 120,6° |
| Beam Angle (90%) | 120,6° |
| Beam Angle (10%) | 120,6° |

Cut-off Angle

| | |
|--------------|--------|
| Average 2,5% | 209,2° |
|--------------|--------|

Field Angle

| | |
|-------------|--------|
| Average 10% | 187,5° |
|-------------|--------|

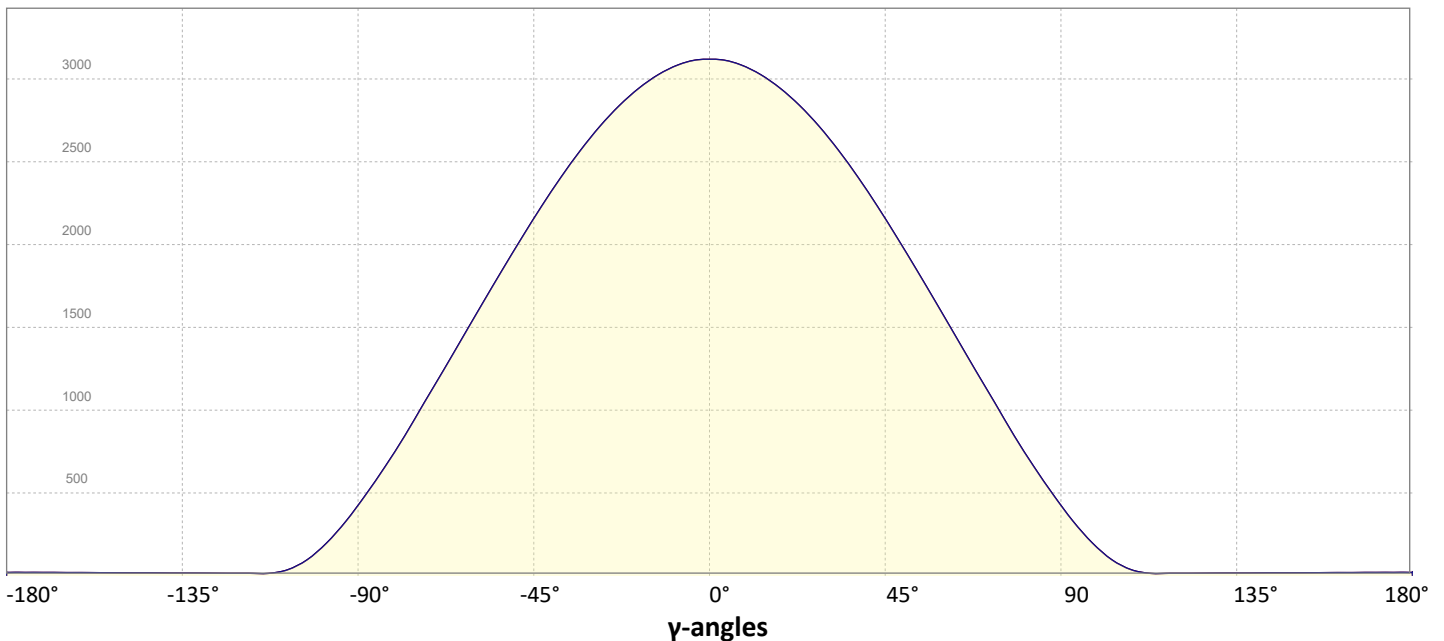
Intensity Ratio

| | |
|--------------|-------|
| In 120° cone | 67,6% |
| In 90° cone | 45,0% |

C000-C180

C090-C270

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



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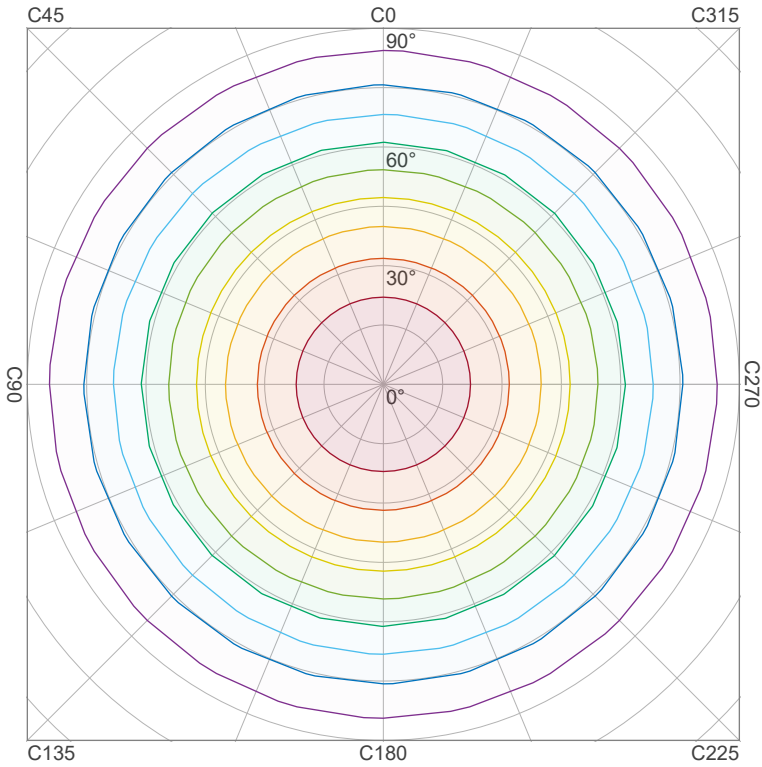
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Operator:



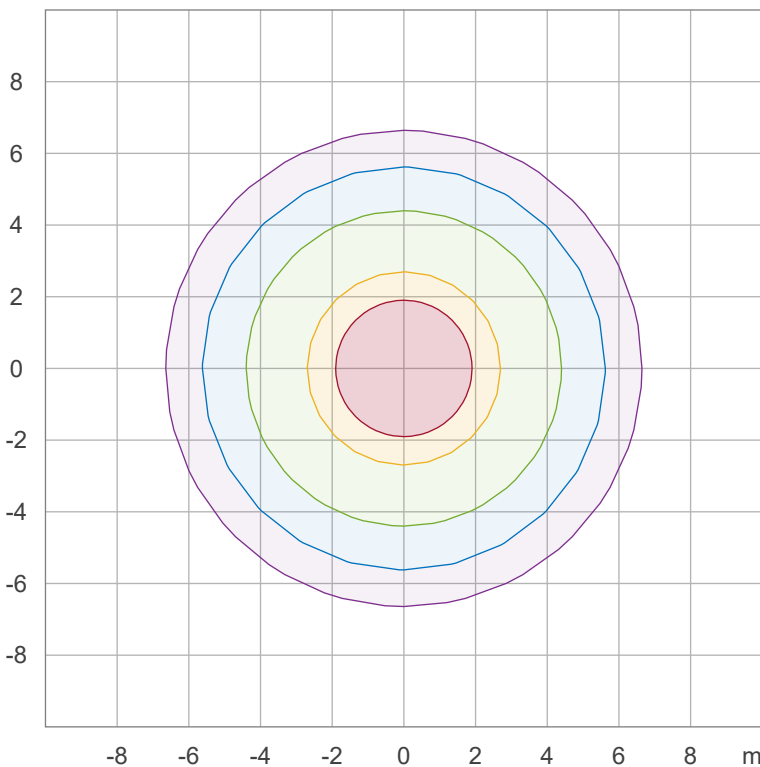
Iso-intensity Diagram (Iso-candela)



| | |
|------|-----------|
| 90 % | 2804,1 cd |
| 80 % | 2492,5 cd |
| 70 % | 2180,9 cd |
| 60 % | 1869,4 cd |
| 50 % | 1557,8 cd |
| 40 % | 1246,3 cd |
| 30 % | 934,7 cd |
| 20 % | 623,1 cd |
| 10 % | 311,6 cd |

Peak intensity: 3115,6 cd
Number of c-planes: 12

Iso-illuminance Diagram (Iso-lux)



| | |
|--------|----------|
| 50,0 % | 173,1 lx |
| 30,0 % | 103,9 lx |
| 10,0 % | 34,6 lx |
| 5,0 % | 17,3 lx |
| 3,0 % | 10,4 lx |

Peak illuminance: 346,2 lx
Mounting height: 3,0 m
Number of c-planes: 12

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Operator:

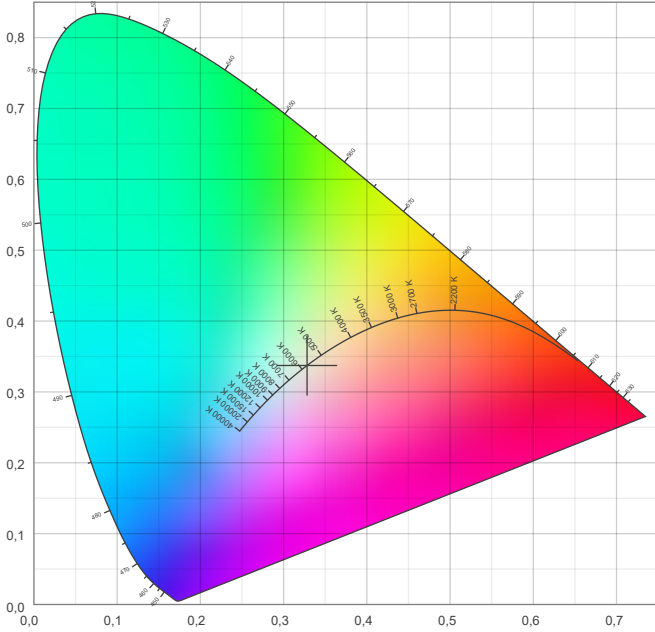


Color details

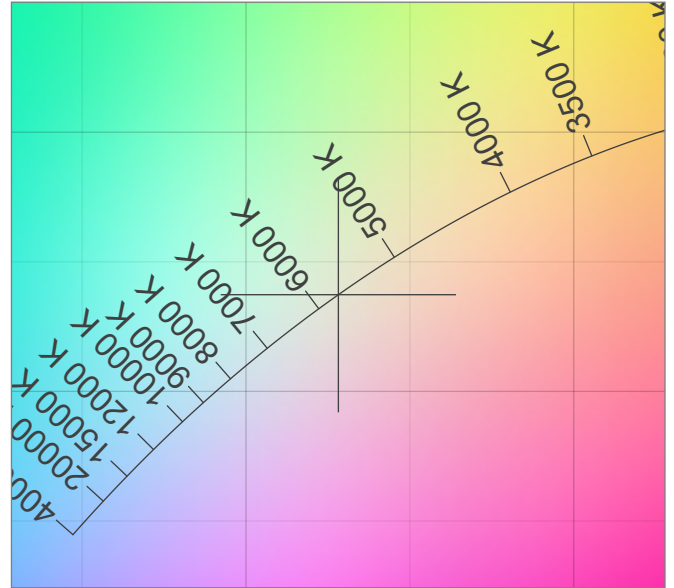
Correlated Color Temperature, Target CCT = 5700 K
 Correlated Color Temperature, Measured CCT = 5809 K
 Color Rendering Index CRI 82,9
 Color Rendering Index, R9 (red component) R9 = 14,6
 Color Rendering TM30-18 R_f 82,1 – R_g 96,3
 Color Quality Scale CQS = 80,0

MacAdam Steps SDCM = 3,4
 Color coordinates CIE 1931 (x;y) = (0,328;0,337)
 Color coordinate CIEs 1960 (u;v) = (0,205;0,317)
 Color deviation from BBL Duv = 0,0021
 Color coordinate CIEs 1976 (CIELUV) (u';v') = (0,205;0,475)

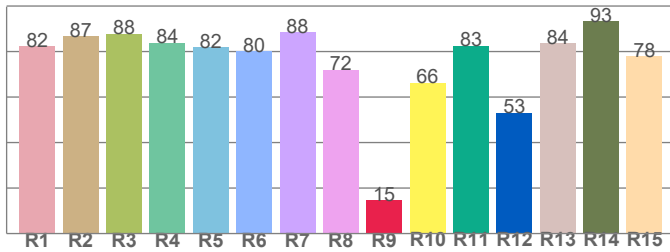
CIE 1931



CIE 1931 – zoomed on Planckian locus



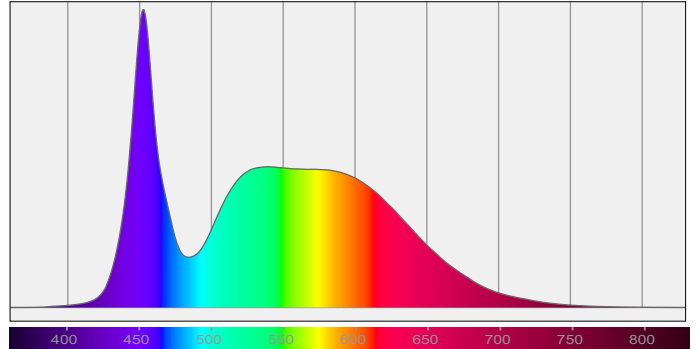
Color Rendering Index per reference color (CIE 1995)



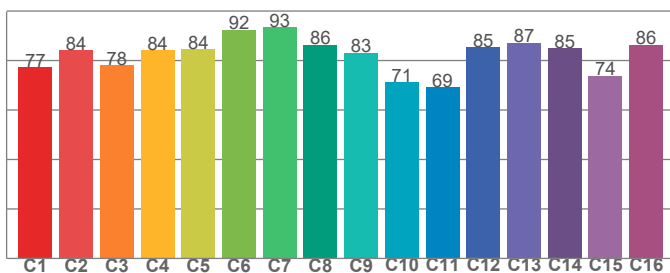
CRI R values, only R1-R8 are used to calculate final CRI value

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,3 | 86,6 | 87,8 | 83,8 | 81,8 | 80,2 | 88,5 | 72,0 | 14,6 | 66,3 | 82,6 | 53,0 | 83,6 | 93,2 | 77,8 |

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



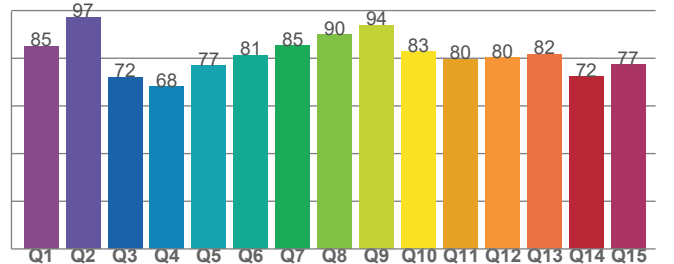
TM30-18 R_f-values per hue bin



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 77,3 | 84,1 | 78,1 | 84,1 | 84,5 | 92,4 | 93,4 | 86,4 | 83,2 | 71,2 | 69,2 | 85,4 | 87,1 | 84,9 | 73,9 | 86,3 |

Color Quality Scale by reference color



CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 85,1 | 97,2 | 72,1 | 68,0 | 76,8 | 81,2 | 85,2 | 89,9 | 93,7 | 82,8 | 79,6 | 80,3 | 81,7 | 72,2 | 77,2 |

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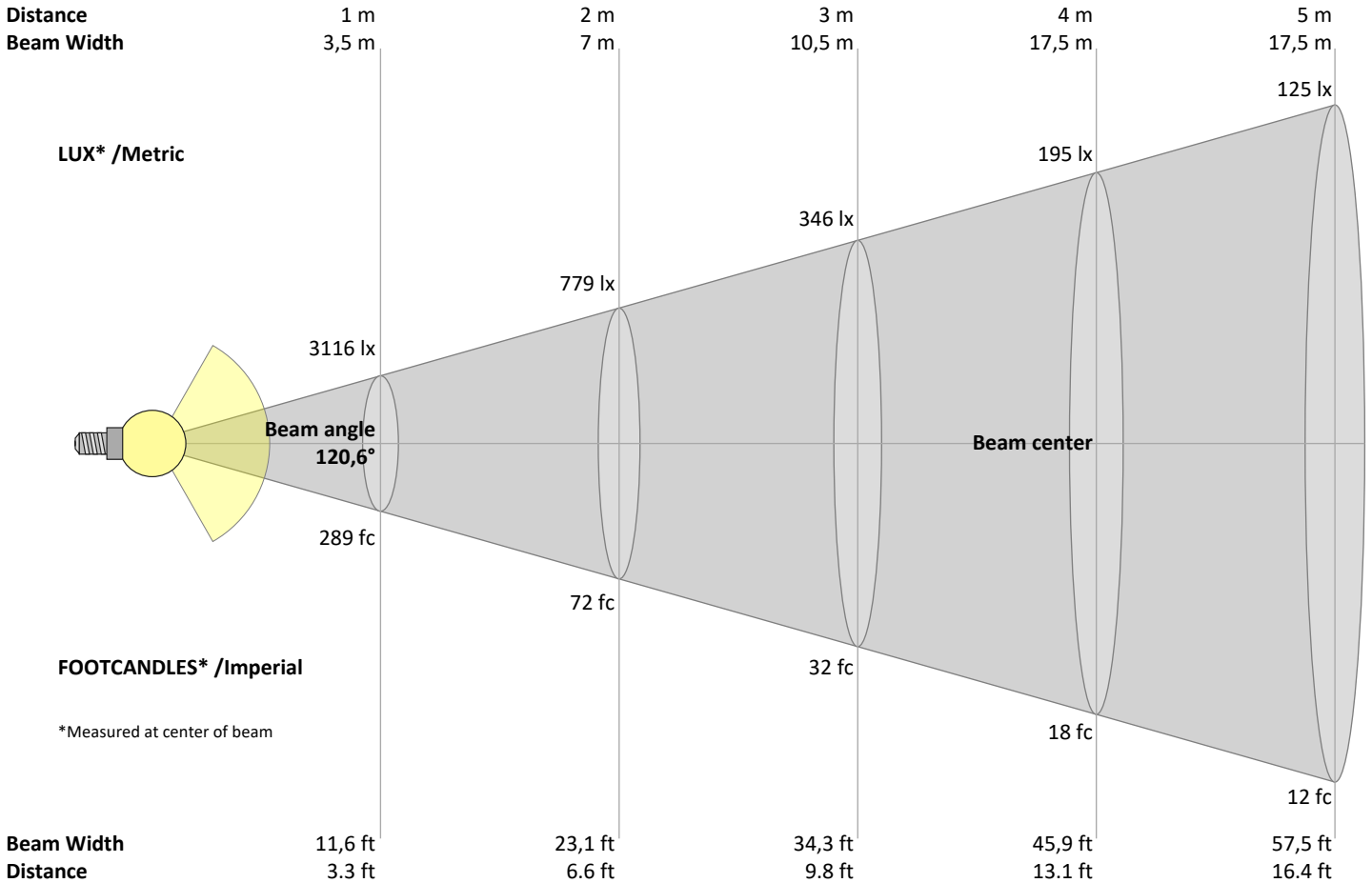
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Operator:



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 |
| 3116 | 779 | 346 | 195 | 125 | 87 | 64 | 49 | 38 | 31 | 26 | 22 | 18 | 16 | 14 | 12 | 11 | 10 | 9 | 8 | lux |
| 289,5 | 72,4 | 32,2 | 18,1 | 11,6 | 8 | 5,9 | 4,5 | 3,6 | 2,9 | 2,4 | 2 | 1,7 | 1,5 | 1,3 | 1,1 | 1 | 0,9 | 0,8 | 0,7 | 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 |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 3116 | 3074 | 2945 | 2741 | 2473 | 2156 | 1809 | 1448 | 1087 | 735 | 427 | 179 | 37 | 15 | 15 | 16 | 18 | 18 | 20 | 20 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 24% | 14% | 6% | 1% | 0% | 0% | 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 |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 3116 | 3074 | 2945 | 2741 | 2473 | 2156 | 1809 | 1448 | 1087 | 735 | 427 | 179 | 37 | 15 | 15 | 16 | 18 | 18 | 20 | 20 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 24% | 14% | 6% | 1% | 0% | 0% | 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 |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 3116 | 3074 | 2945 | 2741 | 2473 | 2156 | 1809 | 1448 | 1087 | 735 | 427 | 179 | 37 | 15 | 15 | 16 | 18 | 18 | 20 | 20 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 24% | 14% | 6% | 1% | 0% | 0% | 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 |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|------|------|------|----------|
| 3116 | 3074 | 2945 | 2741 | 2473 | 2156 | 1809 | 1448 | 1087 | 735 | 427 | 179 | 37 | 15 | 15 | 16 | 18 | 18 | 20 | 20 | cd |
| 100% | 99% | 95% | 88% | 79% | 69% | 58% | 46% | 35% | 24% | 14% | 6% | 1% | 0% | 0% | 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 | 25,2 | 26,5 | 25,5 | 26,9 | 27,2 | 25,9 | 27,2 | 26,3 | 27,6 | 27,9 |
| | 3H | 26,9 | 28,2 | 27,4 | 28,6 | 28,9 | 27,9 | 29,2 | 28,4 | 29,6 | 29,9 |
| | 4H | 27,7 | 28,9 | 28,2 | 29,3 | 29,7 | 28,9 | 30,2 | 29,4 | 30,5 | 30,9 |
| | 6H | 28,5 | 29,6 | 28,9 | 30,0 | 30,4 | 30,0 | 31,1 | 30,4 | 31,5 | 32,0 |
| | 8H | 28,8 | 29,9 | 29,2 | 30,3 | 30,8 | 30,6 | 31,6 | 31,0 | 32,0 | 32,5 |
| | 12H | 29,1 | 30,1 | 29,5 | 30,5 | 31,1 | 31,1 | 32,2 | 31,5 | 32,6 | 33,1 |
| 4H | 2H | 25,9 | 27,2 | 26,4 | 27,6 | 27,9 | 26,5 | 27,7 | 27,0 | 28,1 | 28,5 |
| | 3H | 27,9 | 29,0 | 28,4 | 29,4 | 29,9 | 28,8 | 29,8 | 29,2 | 30,2 | 30,8 |
| | 4H | 28,8 | 29,8 | 29,3 | 30,3 | 30,9 | 29,9 | 30,9 | 30,4 | 31,3 | 31,9 |
| | 6H | 29,7 | 30,6 | 30,2 | 31,0 | 31,5 | 31,0 | 32,0 | 31,6 | 32,4 | 32,9 |
| | 8H | 30,1 | 30,9 | 30,6 | 31,4 | 31,8 | 31,7 | 32,5 | 32,2 | 33,0 | 33,4 |
| | 12H | 30,4 | 31,2 | 31,0 | 31,7 | 32,2 | 32,3 | 33,0 | 32,9 | 33,5 | 34,1 |
| 8H | 4H | 29,3 | 30,1 | 29,8 | 30,6 | 31,0 | 30,2 | 31,0 | 30,7 | 31,5 | 31,9 |
| | 6H | 30,4 | 31,0 | 30,9 | 31,6 | 32,2 | 31,6 | 32,2 | 32,1 | 32,8 | 33,4 |
| | 8H | 30,9 | 31,5 | 31,5 | 32,1 | 32,8 | 32,3 | 32,9 | 32,9 | 33,5 | 34,2 |
| | 12H | 31,4 | 31,9 | 32,0 | 32,5 | 33,2 | 33,1 | 33,6 | 33,8 | 34,2 | 34,9 |
| 12H | 4H | 29,3 | 30,1 | 29,9 | 30,6 | 31,1 | 30,2 | 30,9 | 30,8 | 31,4 | 32,0 |
| | 6H | 30,5 | 31,1 | 31,1 | 31,7 | 32,4 | 31,7 | 32,3 | 32,2 | 32,8 | 33,6 |
| | 8H | 31,1 | 31,6 | 31,8 | 32,2 | 32,9 | 32,5 | 33,0 | 33,1 | 33,5 | 34,2 |

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

| | | |
|----------|------------|------------|
| S = 1.0H | 0,1 / -0,1 | 0,1 / 0,0 |
| S = 1.5H | 0,1 / -0,1 | 0,1 / -0,1 |
| S = 2.0H | 0,2 / -0,3 | 0,2 / -0,3 |

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 | 118 | 118 | 118 | 118 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 96 |
| 1 | 106 | 100 | 95 | 90 | 102 | 97 | 92 | 88 | 92 | 88 | 85 | 87 | 84 | 81 | 83 | 80 | 78 | 75 |
| 2 | 95 | 86 | 78 | 72 | 92 | 84 | 76 | 70 | 79 | 73 | 68 | 75 | 70 | 66 | 71 | 67 | 64 | 61 |
| 3 | 86 | 75 | 66 | 59 | 83 | 73 | 65 | 58 | 69 | 62 | 56 | 66 | 60 | 55 | 63 | 58 | 53 | 51 |
| 4 | 79 | 66 | 56 | 49 | 76 | 64 | 55 | 49 | 61 | 53 | 47 | 58 | 52 | 46 | 55 | 50 | 45 | 43 |
| 5 | 72 | 59 | 49 | 42 | 70 | 57 | 48 | 42 | 55 | 47 | 41 | 52 | 45 | 40 | 50 | 44 | 39 | 37 |
| 6 | 67 | 53 | 43 | 36 | 64 | 51 | 43 | 36 | 49 | 41 | 35 | 47 | 40 | 35 | 45 | 39 | 34 | 32 |
| 7 | 62 | 48 | 38 | 32 | 60 | 47 | 38 | 32 | 45 | 37 | 31 | 43 | 36 | 31 | 41 | 35 | 30 | 28 |
| 8 | 57 | 43 | 35 | 28 | 56 | 42 | 34 | 28 | 41 | 33 | 28 | 39 | 32 | 27 | 38 | 32 | 27 | 25 |
| 9 | 54 | 40 | 31 | 26 | 52 | 39 | 31 | 25 | 37 | 30 | 25 | 36 | 29 | 25 | 35 | 29 | 24 | 22 |
| 10 | 50 | 37 | 29 | 23 | 49 | 36 | 28 | 23 | 35 | 28 | 23 | 33 | 27 | 22 | 32 | 26 | 22 | 20 |

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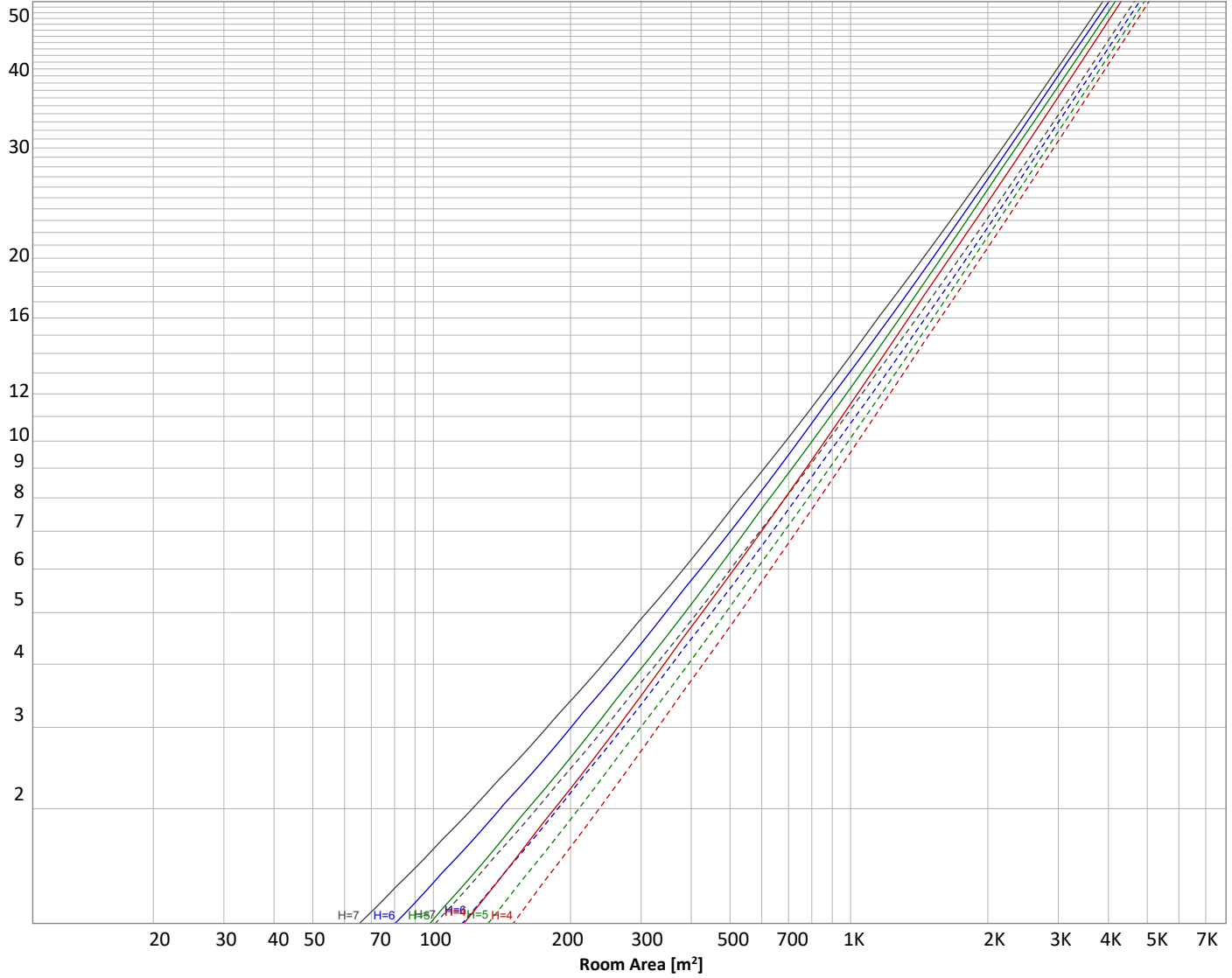
Operator:



Luminaire budgetary diagram

Uncorrected, comprehensive UGR table according to 117-1995

LAMPS (number of lamps)



Conditions

| | | | | | |
|---|-----------------|-----------|---------------------|--------------------------|-------------------|
| H = Room height | Flux = 10727 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° |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 295 lm | 846 lm | 1288 lm | 1569 lm | 1666 lm | 1584 lm | 1354 lm | 1021 lm | 647 lm |
| 90°-100° | 100°-110° | 110°-120° | 120°-130° | 130°-140° | 140°-150° | 150°-160° | 160°-170° | 170°-180° |
| 306 lm | 80,0 lm | 15,7 lm | 13,8 lm | 12,7 lm | 11,1 lm | 8,61 lm | 5,60 lm | 1,95 lm |

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Outdoor Light Planning

Lumen per Zone

| Zone (γ) | Lumen | % Total |
|--------------|-----------------|---------------|
| 0-10° | 295 lm | 2,8% |
| 10-20° | 846 lm | 7,9% |
| 20-30° | 1288 lm | 12,0% |
| 30-40° | 1569 lm | 14,6% |
| 40-50° | 1666 lm | 15,5% |
| 50-60° | 1584 lm | 14,8% |
| 60-70° | 1354 lm | 12,6% |
| 70-80° | 1021 lm | 9,5% |
| 80-90° | 647 lm | 6,0% |
| 90-100° | 306 lm | 2,9% |
| 100-110° | 80 lm | 0,7% |
| 110-120° | 16 lm | 0,1% |
| 120-130° | 14 lm | 0,1% |
| 130-140° | 13 lm | 0,1% |
| 140-150° | 11 lm | 0,1% |
| 150-160° | 9 lm | 0,1% |
| 160-170° | 6 lm | 0,1% |
| 170-180° | 2 lm | 0,0% |
| Total | 10727 lm | 100,0% |

Intensity peaks

| | |
|----------------|---------|
| Max intensity | 3116 cd |
| Intensity, 90° | 427 cd |
| Intensity, 0° | 3116 cd |

Zonal Lumen summary

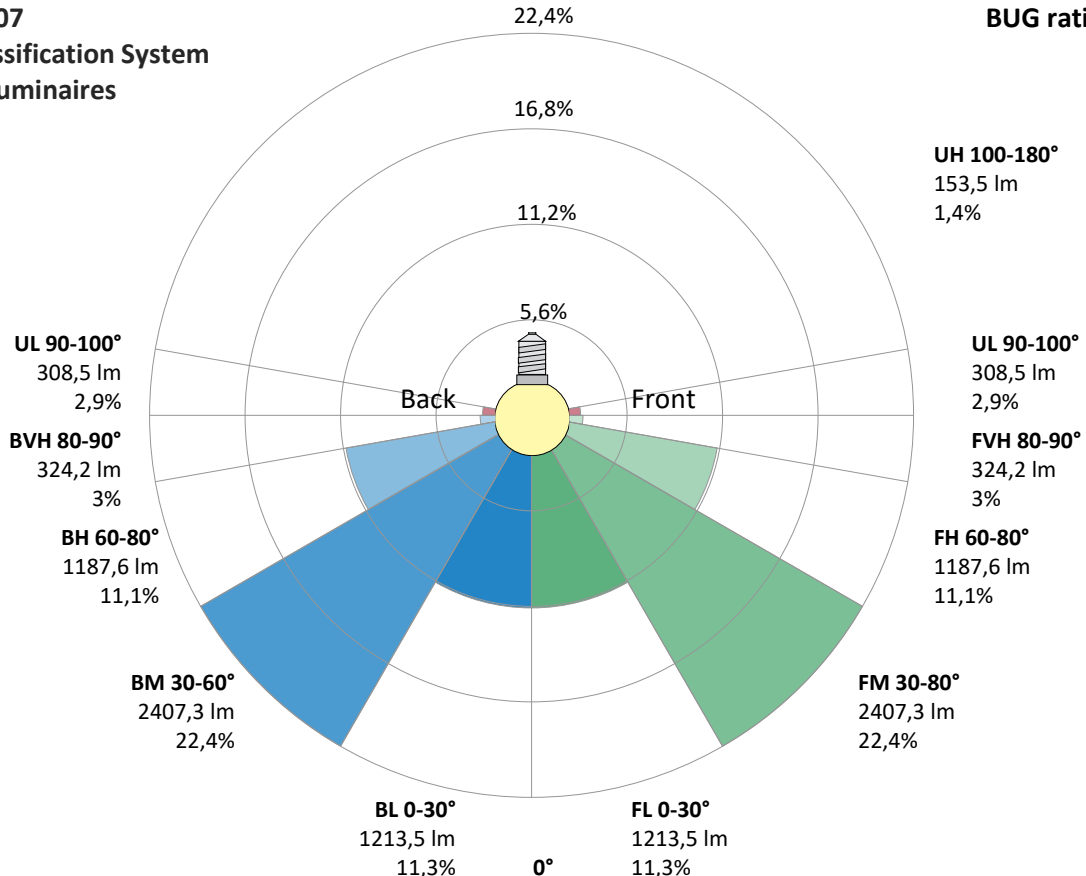
| Zone (γ) | Lumen | % Total |
|----------|----------|---------|
| 0-30° | 2430 lm | 22,7% |
| 0-40° | 3999 lm | 37,3% |
| 0-60° | 7249 lm | 67,6% |
| 60-90° | 3023 lm | 28,2% |
| 70-100° | 1975 lm | 18,4% |
| 90-120° | 402 lm | 3,7% |
| 0-90° | 10272 lm | 95,8% |
| 90-180° | 456 lm | 4,2% |
| 0-180° | 10727 lm | 100,0% |

BUG rating

| | Lumen | % Total |
|----------------------|---------|---------|
| Forward light | | |
| Low(0-30°) | 1214 lm | 11,3% |
| Medium(30-60°) | 2407 lm | 22,4% |
| High(60-80°) | 1188 lm | 11,1% |
| Very high(80-90°) | 324 lm | 3,0% |
| Back light | | |
| Low(0-30°) | 1214 lm | 11,3% |
| Medium(30-60°) | 2407 lm | 22,4% |
| High(60-80°) | 1188 lm | 11,1% |
| Very high(80-90°) | 324 lm | 3,0% |
| Uplight | | |
| Low(90-100°) | 309 lm | 2,9% |
| High(100-180°) | 154 lm | 1,4% |

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

BUG rating B3 U3 G3



Light Measurement Report

Print date: 20-8-2025

Measurement date and time: 20-8-2025 08:50:07 – Measurement no. VFR-250820-2624-MS

Measurement tracking No. and Link: [VT250820-001145](#)

Operator:

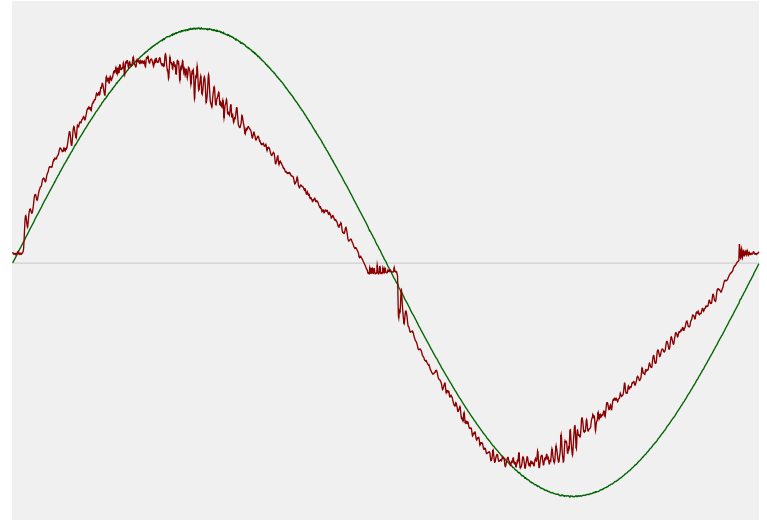


Power Details

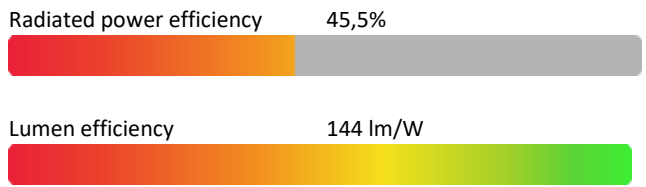
Input Power

| | |
|---|----------|
| Power feed to light source | 74,5 W |
| Frequency of input power | 50 Hz |
| RMS Input voltage feed, V_{RMS} | 230 V |
| RMS Input current feed, I_{RMS} | 0,335 A |
| Volt-Ampere or apparent power = $V_{RMS} * I_{RMS}$ | 77,17 VA |
| Displacement factor of AC power feed | 0,97 |
| Power factor of AC current feed | 0,97 |
| Total harmonic distortion of the current | 11,6% |
| Total harmonic distortion of the voltage | 0,07% |

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 | 5690 K |
| CCT shift | +10 K |
| CCT end | 5700 K |

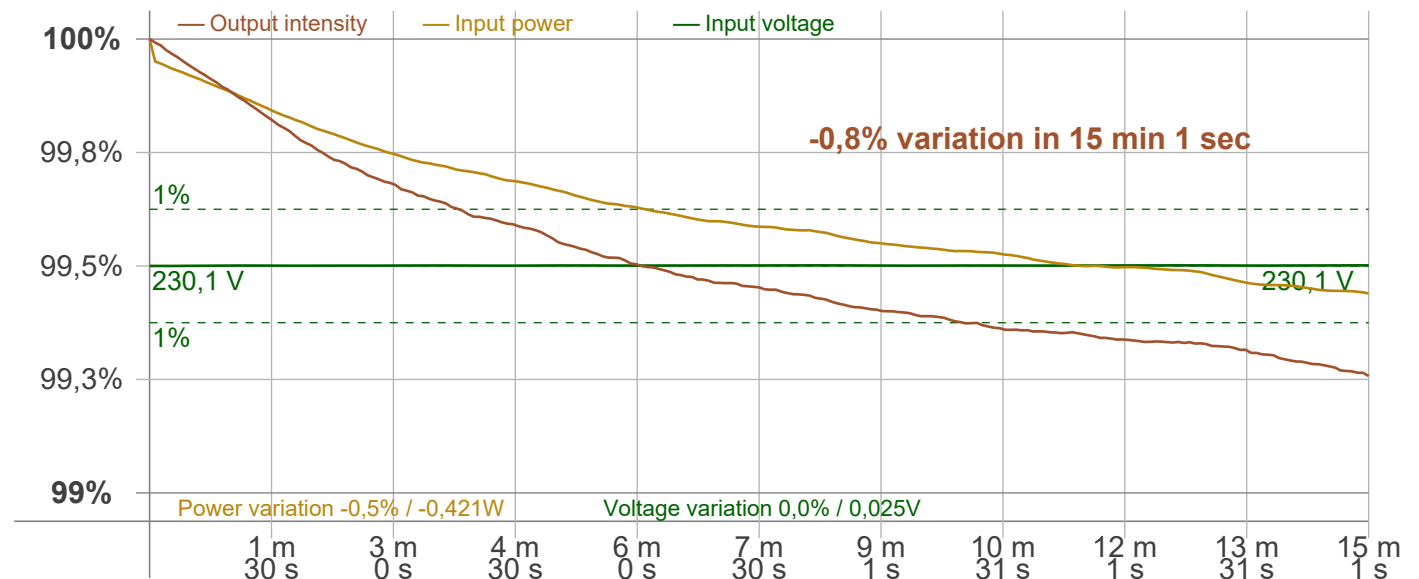
Warmup Result

| | |
|-------------------|---------------------------------|
| Total warmup time | Lamp stabilized in 15 min 1 sec |
| Warmup variation | -0,8% |

Output Change

| | |
|---------------|----------|
| Output start | 10807 lm |
| Output change | -80 lm |
| Output end | 10727 lm |

Stabilization Curve



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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: 0,89 %
 Flicker index: 0

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

JA8/10 40 Hz: 0,02 %
 JA8/10 90 Hz: 0,03 %
 JA8/10 200 Hz: 0,86 %
 JA8/10 400 Hz: 0,88 %
 JA8/10 1000 Hz: 0,89 %

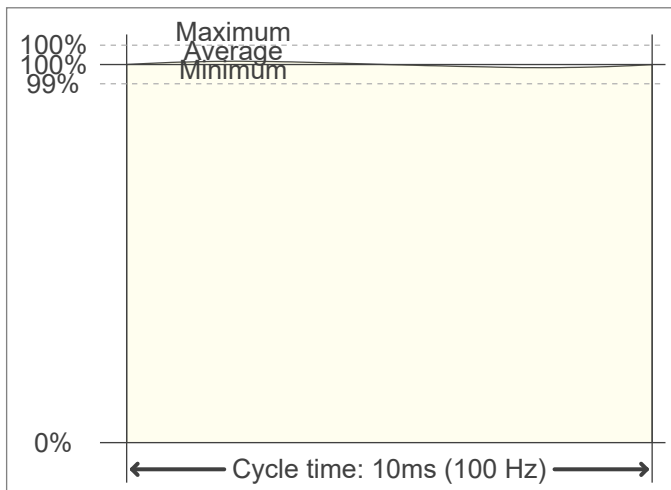
TLA indices (re IEC TR 61547-1, IEC 61000-3-3 and IEC 61000-4-15)

PstLM value (F < 80 Hz): 0,02
 SVM value (80 < F < 2000 Hz): 0,03

Flicker indices according to Lighting Research Center (2015)

Perception metric, Assist Mp: 0,01

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



Flicker FFT (flicker curve in frequency domain)



IEEE 1789 Frequency/modulation plot

