

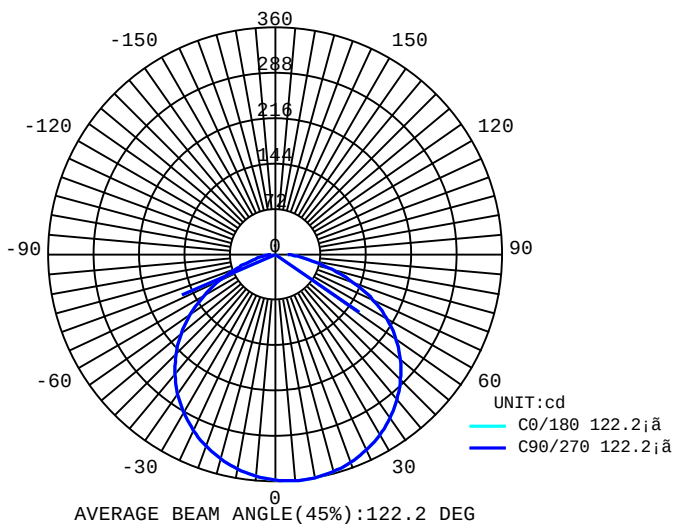
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

|                                                          |                                |                                        |
|----------------------------------------------------------|--------------------------------|----------------------------------------|
| MANUFACTURER: Lamppukauppa Led Store Oy                  |                                |                                        |
| ADDRESS: Mesikukantie 16, 01300 VANTAA   www.ledstore.fi |                                |                                        |
| NAME: LED strip HELMI, 3000K, 24V, 20W/m, IP21, CRI94    | SKU: STRIP20-24V-IP20-3000-SMD | TYPE: LED                              |
| SPECIFICATION: LED light strip                           | NOTES: Single color            | MEASURED BY: Lamppukauppa Led Store Oy |

|                  |        |                    |        |                  |          |
|------------------|--------|--------------------|--------|------------------|----------|
| DATA OF LAMP     |        | Imax(cd)           | 360.2  | S/MH(C0/180)     | 1.37     |
| MODEL            |        | EFFICIENCY(%)      | 100.0  | S/MH(C90/270)    | 1.37     |
| NOMINAL POWER(W) | 20     | TOTAL FLUX(lm)     | 1069.7 | Voltage(V)       | 24.00    |
| RATED VOLTAGE(V) | 24     | EFFICIENCY(lm/W)   | 59.4   | Current(A)       | 0.750    |
| NOMINAL FLUX(lm) | 1069.8 | $\eta$ up(%)       | 0.0    | Power(W)         | 18.00    |
| LAMPS QUANTITY   | 1      | $\eta$ down(%)     | 100.0  | Power Factor(PF) | 1.000    |
| TEST VOLTAGE(V)  | 24.0   | Effective Flux(lm) | 1048.6 | EI               | 0.225(A) |

## LUMINOUS INTENSITY DISTRIBUTION



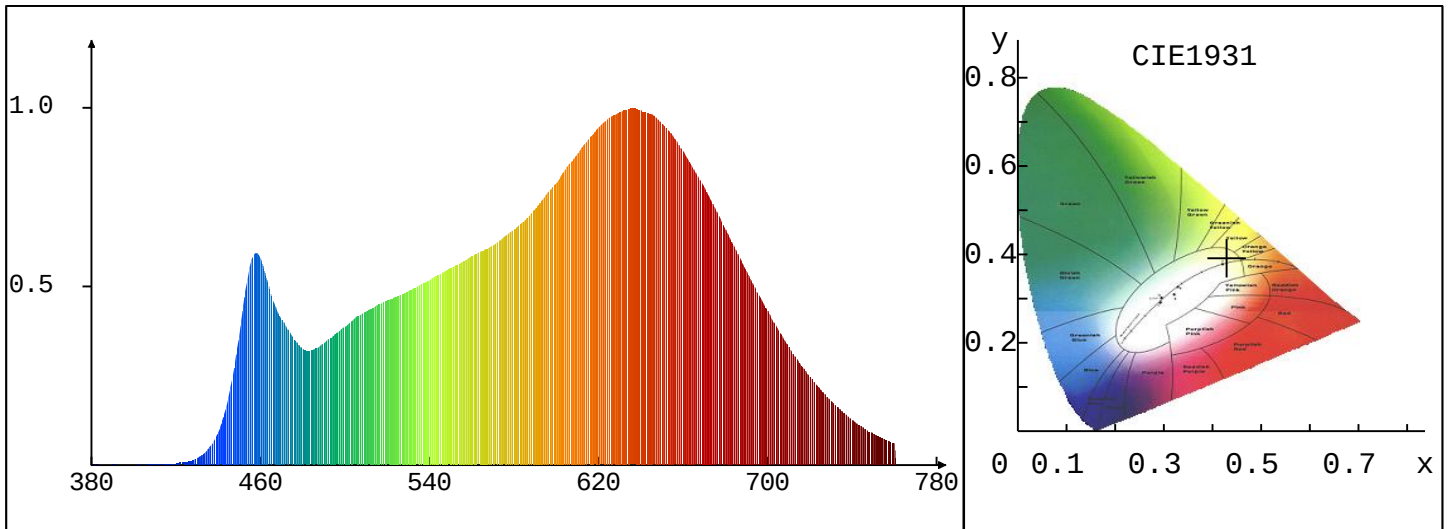
Test System:HopooColor HP880  
Temperature:25.3DEG  
Operators:  
Test Date:09-20-2024

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

## Spectrum Chart

Report number:

|                                                          |                                |                                        |
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Avg Chro. Para.

CCT: 2987K Chro. Coord.:  $x_a=0.4301$   $y_a=0.3885$   $u'_a=0.2529$   $v'_a=0.5141$   $|u'_a v'_a|=0.0000$ Current Angle:  $C=0.0^\circ$   $G=0.0^\circ$ 

Chroma Parameters

Chro.Coord.:  $x=0.4301$   $y=0.3885$   $u'=0.2529$   $v'=0.5141$   $duv=-0.0054$ 

CCT: 2986K Dominant Wave: 585.1nm Purity: 45.7% Light Intensity: 663.3cd

Flux RGB Ratio: R=54.5%, G=31.9%, B=13.5% Peak Wave: 636.8nm Half Width: 159.9nm

Rendering Index: Ra= 94.1

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =94 | R2 =93 | R3 =96 | R4 =97 | R5 =93 | R6 =89 | R7 =95 | R8 =97 |
| R9 =95 | R10=87 | R11=94 | R12=78 | R13=93 | R14=98 | R15=95 |        |

Instrument State

Scan Range: 380nm-780nm Integral Time: 200.0ms Peak Signal: 200000 Dark Signal: 54579

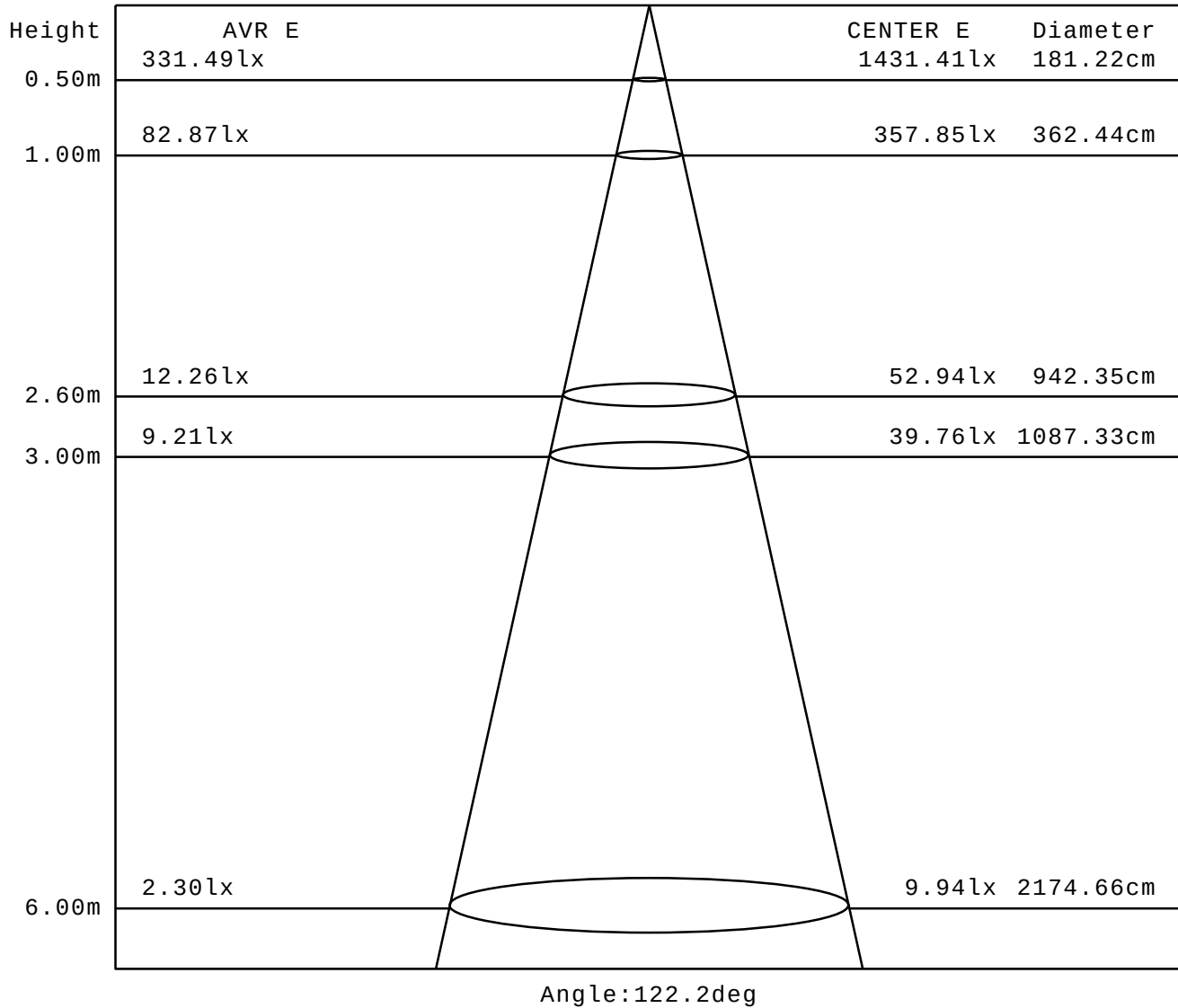
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Humidity: 65.0%  
Test Distance: 1.000 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

|                                                          |                                |                                        |
|----------------------------------------------------------|--------------------------------|----------------------------------------|
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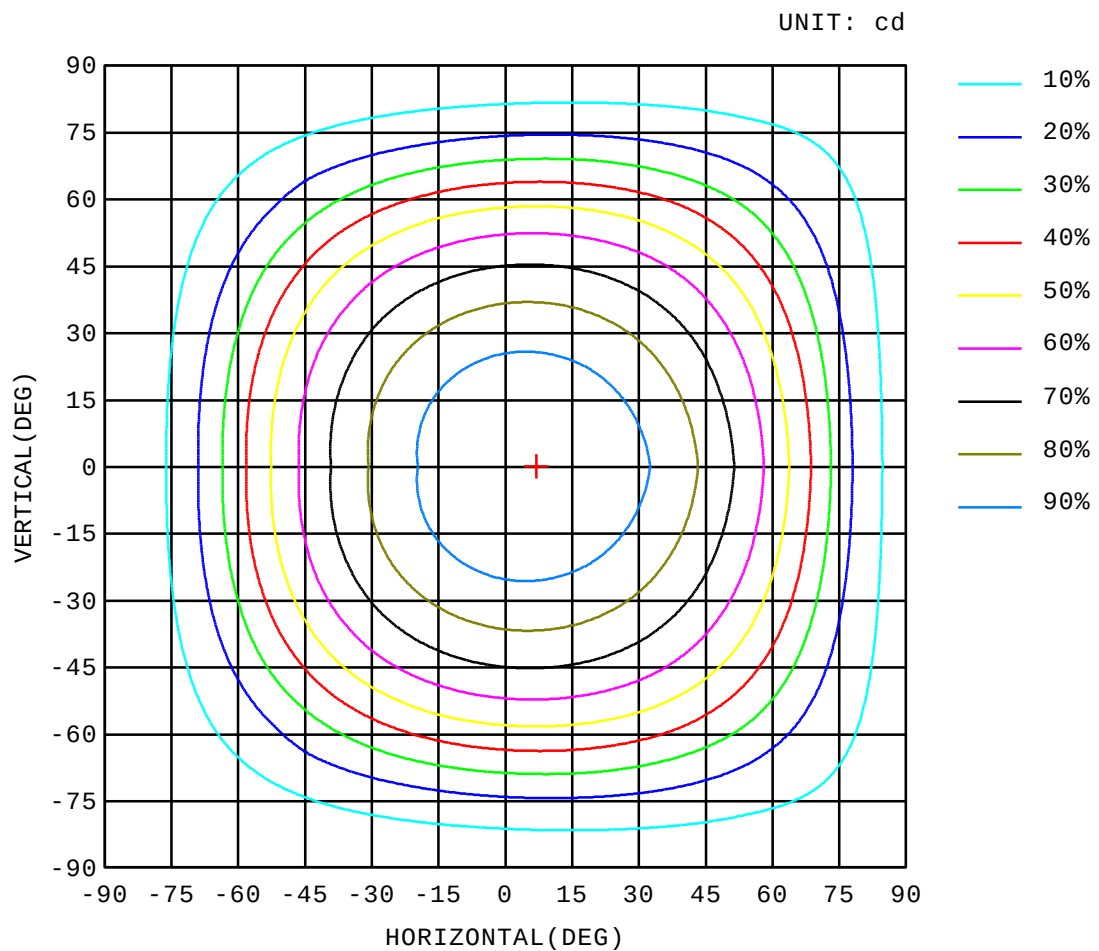
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Test Date: 09-20-2024

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 1.000 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

|                                                          |                                |                                        |
|----------------------------------------------------------|--------------------------------|----------------------------------------|
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