

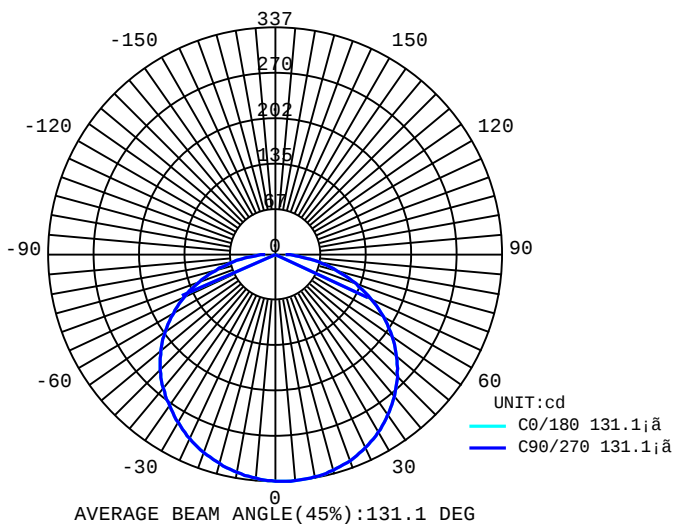
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

|                                                            |                                 |                                        |
|------------------------------------------------------------|---------------------------------|----------------------------------------|
| MANUFACTURER: Lamppukauppa Led Store Oy                    |                                 |                                        |
| ADDRESS: Mesikukantie 16, 01300 VANTAA   www.ledstore.fi   |                                 |                                        |
| NAME: 5m LED strip HELMI, 4000K, 24V, 14,4W/m, IP20, CRI94 | SKU: STRIP144-24v-IP20-4000-SMD | TYPE: LED                              |
| SPECIFICATION: LED light strip                             | NOTES: Single color             | MEASURED BY: Lamppukauppa Led Store Oy |

|                  |        |                    |        |                  |          |
|------------------|--------|--------------------|--------|------------------|----------|
| DATA OF LAMP     |        | Imax(cd)           | 337.1  | S/MH(C0/180)     | 1.35     |
| MODEL            |        | EFFICIENCY(%)      | 100.0  | S/MH(C90/270)    | 1.35     |
| NOMINAL POWER(W) | 14.4   | TOTAL FLUX(lm)     | 1111.1 | Voltage(V)       | 24.00    |
| RATED VOLTAGE(V) | 24     | EFFICIENCY(lm/W)   | 72.3   | Current(A)       | 0.640    |
| NOMINAL FLUX(lm) | 1111.2 | $\eta$ up(%)       | 0.0    | Power(W)         | 15.36    |
| LAMPS QUANTITY   | 1      | $\eta$ down(%)     | 100.0  | Power Factor(PF) | 1.000    |
| TEST VOLTAGE(V)  | 24.0   | Effective Flux(lm) | 1099.4 | EI               | 0.185(A) |

## LUMINOUS INTENSITY DISTRIBUTION



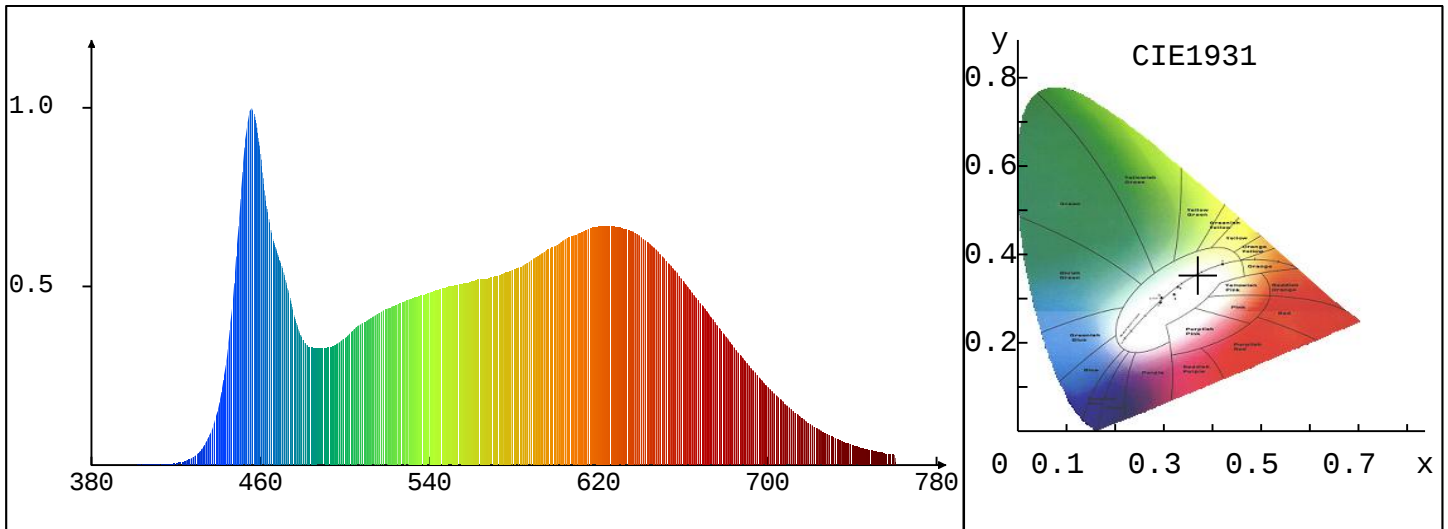
Test System:HopooColor HP880  
Temperature:25.3DEG  
Operators:  
Test Date:09-20-2024

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: 4069K Chro. Coord.:  $x_a=0.3706$   $y_a=0.3484$   $u'_a=0.2302$   $v'_a=0.4869$   $|u'_a v'_a|=0.0001$ Current Angle:  $C=0.0^\circ$   $G=0.0^\circ$ 

Chroma Parameters

Chro.Coord.:  $x=0.3707$   $y=0.3484$   $u'=0.2302$   $v'=0.4869$   $duv=-0.0110$ 

CCT: 4068K Dominant Wave: 589.2nm Purity: 15.8% Light Intensity: 617.9cd

Flux RGB Ratio: R=41.9%, G=35.2%, B=22.9% Peak Wave: 454.7nm Half Width: 24.9nm

Rendering Index: Ra= 93.6

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =94 | R2 =93 | R3 =97 | R4 =96 | R5 =93 | R6 =89 | R7 =93 | R8 =96 |
| R9 =93 | R10=89 | R11=97 | R12=72 | R13=93 | R14=99 | R15=92 |        |

Instrument State

Scan Range: 380nm-780nm Integral Time: 150.0ms Peak Signal: 150000 Dark Signal: 51829

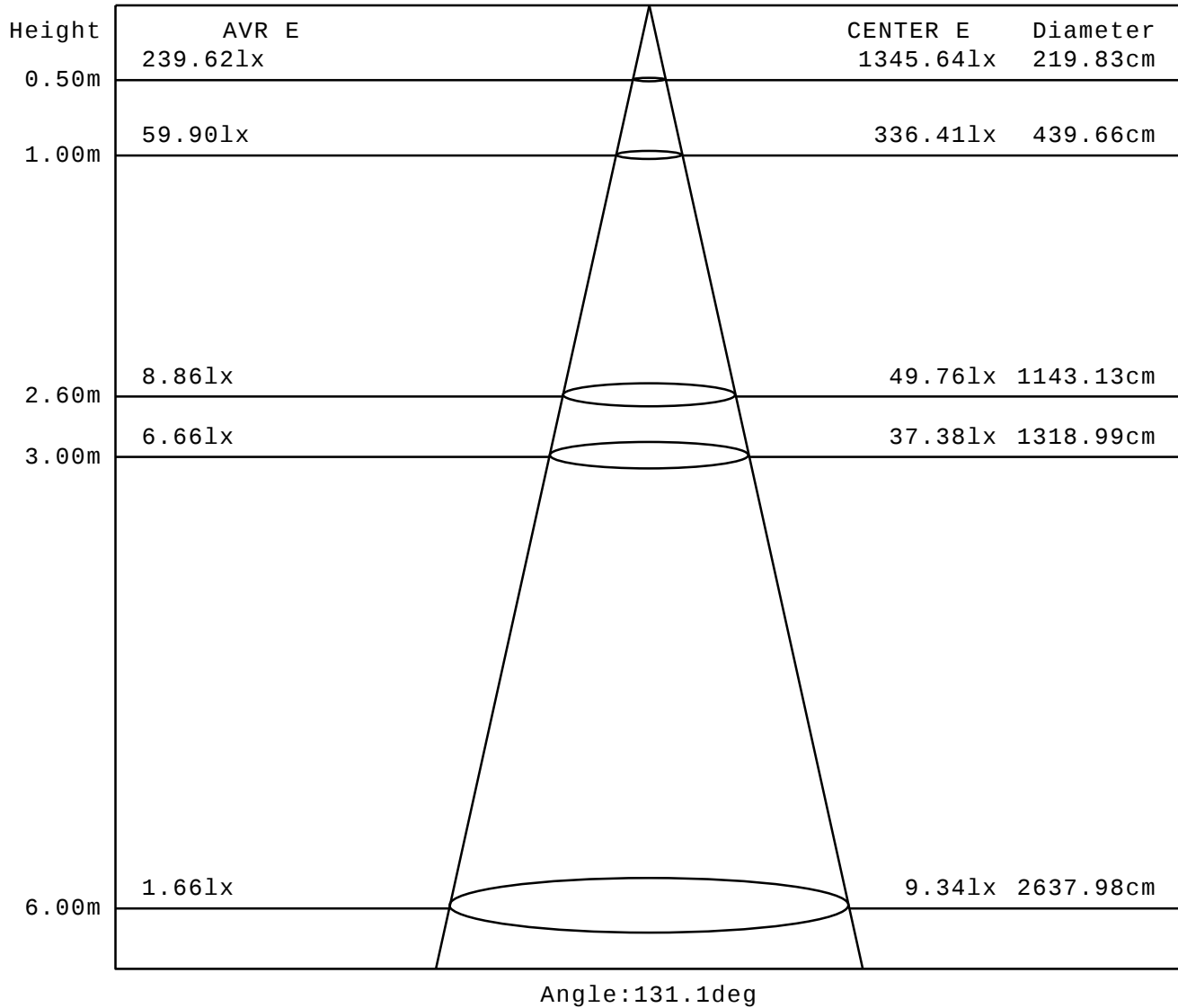
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Remarks:

## AVERAGE AND CENTER E Figure

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|                                                            |                                 |                                        |
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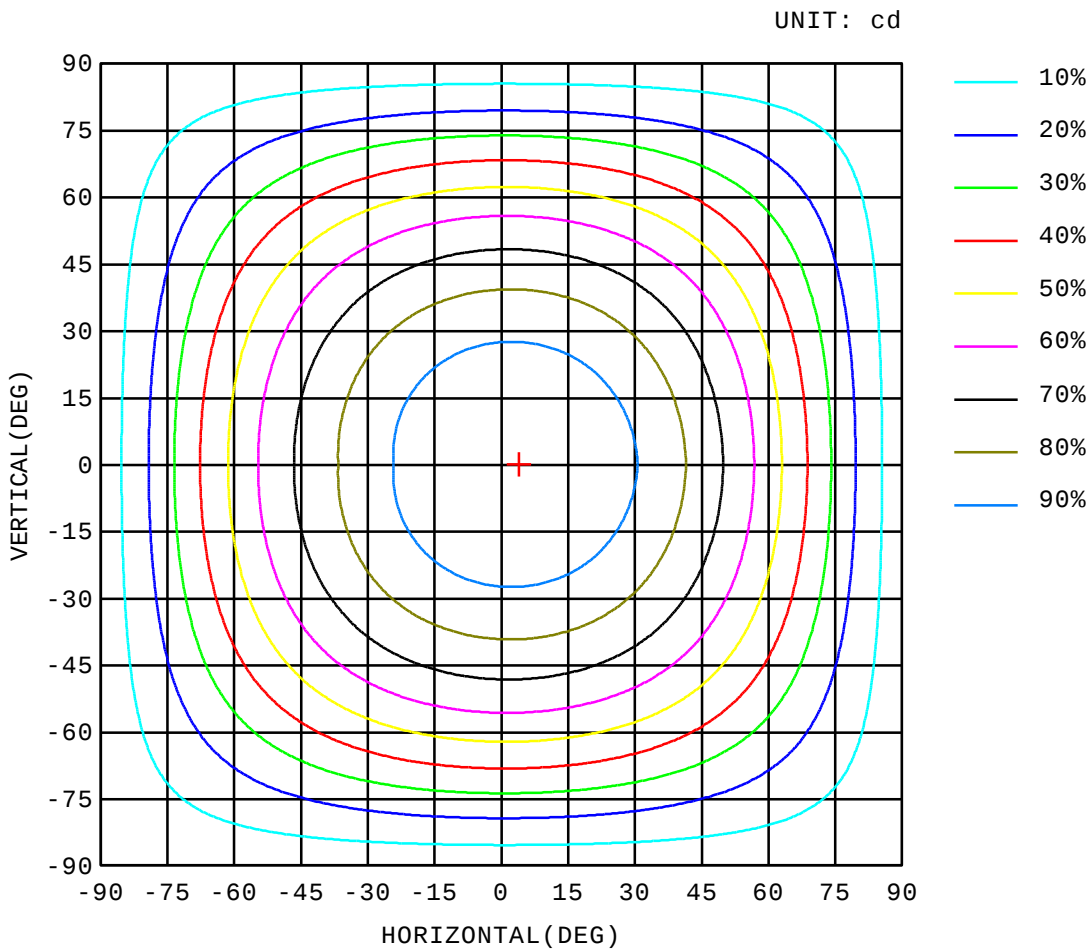
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ISOCANDELA DIAGRAM

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|                                                            |                                 |                                        |
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