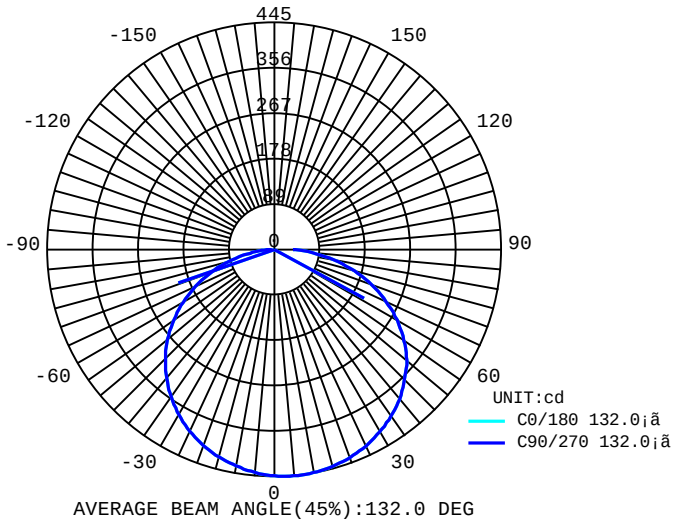
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: 1 cm LED strip HELMI, 4000K, 24V, 17W/m, IP20, CRI95	SKU: 1cm-strip-17-24v-IP20-4000-smd	TYPE: LED
SPECIFICATION: LED light strip	NOTES: Single color	MEASURED BY: Lamppukauppa Led Store Oy

DATA OF LAMP		Imax(cd)	445.4	S/MH(C0/180)	1.39
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.39
NOMINAL POWER(W)	17	TOTAL FLUX(lm)	1488.0	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	82.7	Current(A)	0.750
NOMINAL FLUX(lm)	1488.1	η up(%)	0.0	Power(W)	18.00
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	1476.3	EEI	0.166(A+)

LUMINOUS INTENSITY DISTRIBUTION



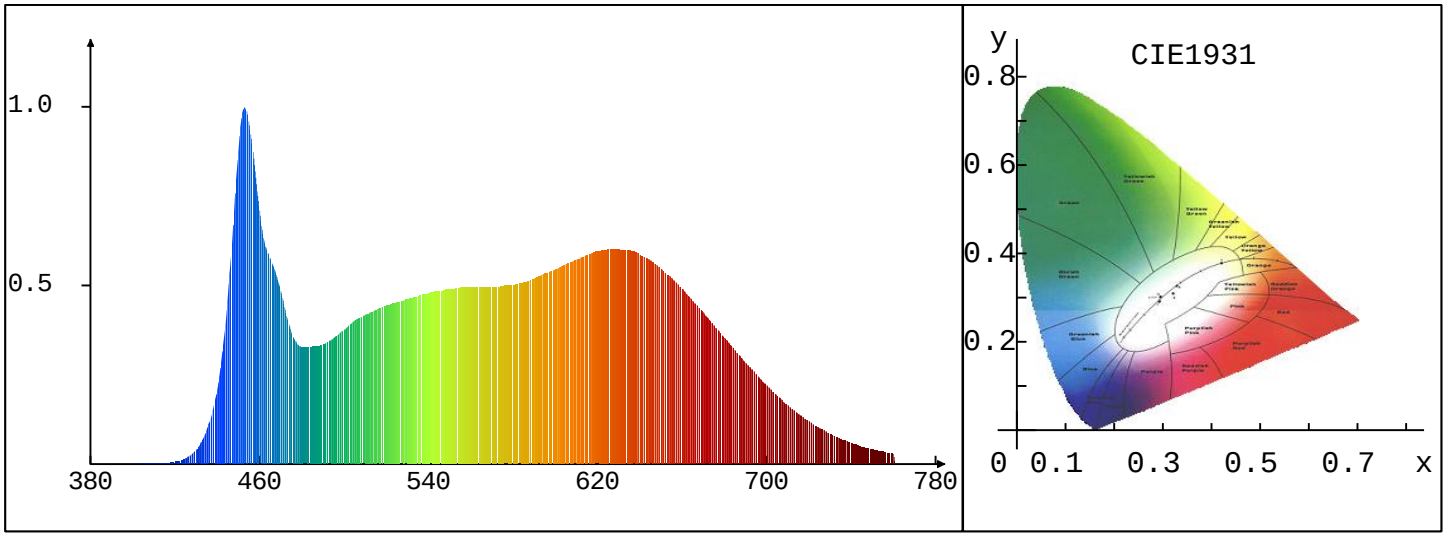
AVERAGE BEAM ANGLE(45%):132.0 DEG

Test System:HopooColor HP880	Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:1.000 m
Test Date:09-20-2024	Remarks:

Spectrum Chart

Report number:

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Avg Chro. Para.

CCT: 4432K Chro. Coor.: xa=0.3595 ya=0.3456 u'a=0.2237 v'a=0.4839 ¦¤u'v'=0.0001

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.3595 y=0.3456 u'=0.2237 v'=0.4839 duv=-0.0086

CCT: 4432K Dominant Wave: 587.4nm Purity: 11.6% Light Intensity: 817.1cd

Flux RGB Ratio: R=40.9%,G=35.3%,B=23.8% Peak Wave: 451.7nm Half Width: 23.5nm

Rendering Index: Ra= 95.1

R1 =94	R2 =95	R3 =98	R4 =97	R5 =93	R6 =91	R7 =97	R8 =96
R9 =86	R10=92	R11=96	R12=73	R13=93	R14=98	R15=91	

Instrument State

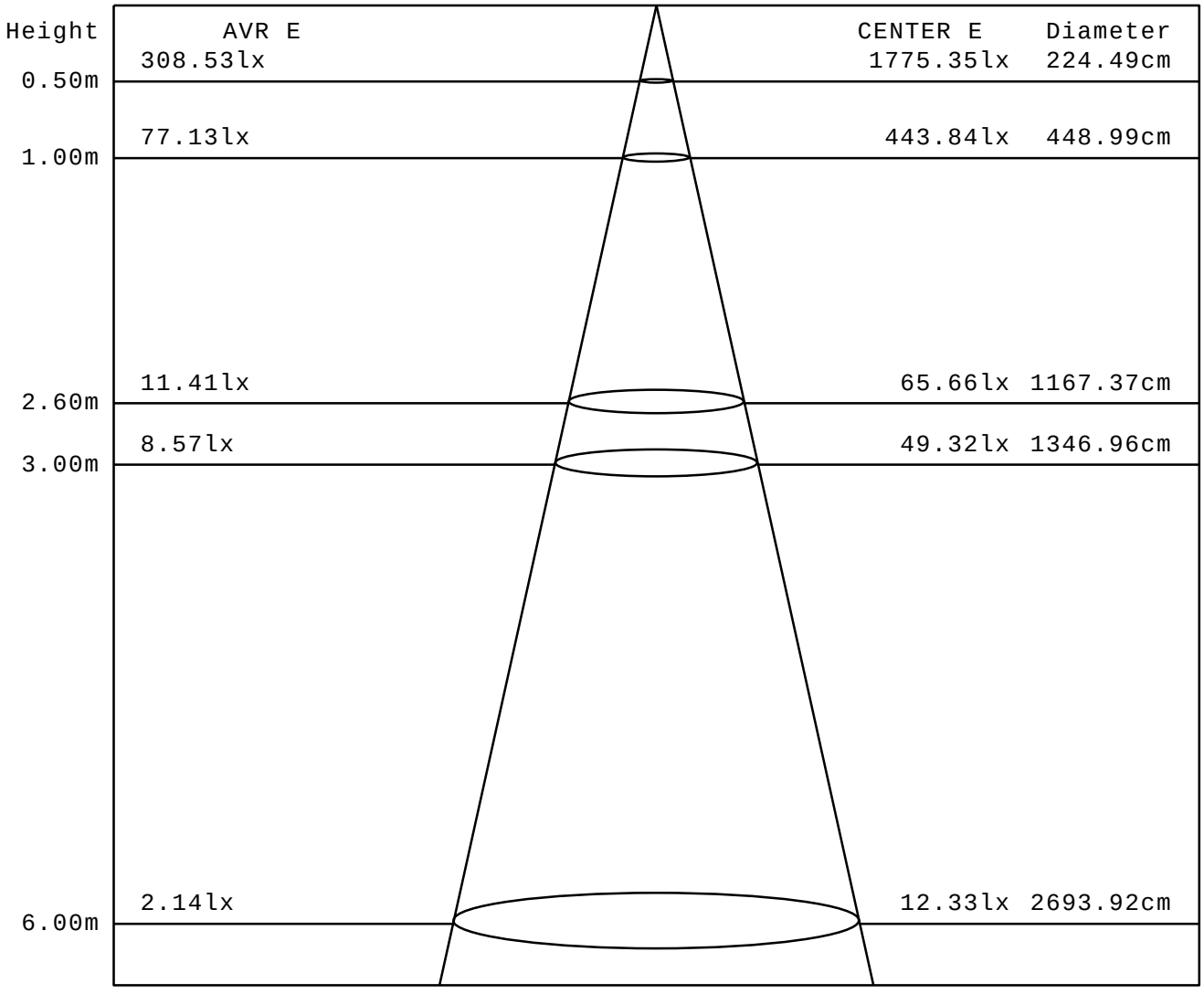
Scan Range: 380nm-780nmIntegral Time: 120.0ms Peak Signal: 120000 Dark Signal: 58869

Test System:HopooColor HP880 Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:1.000 m
Test Date:09-20-2024 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
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SPECIFICATION: LED light strip	NOTES: Single color	MEASURED BY: Lamppukauppa Led Store Oy



Angle:132.0deg

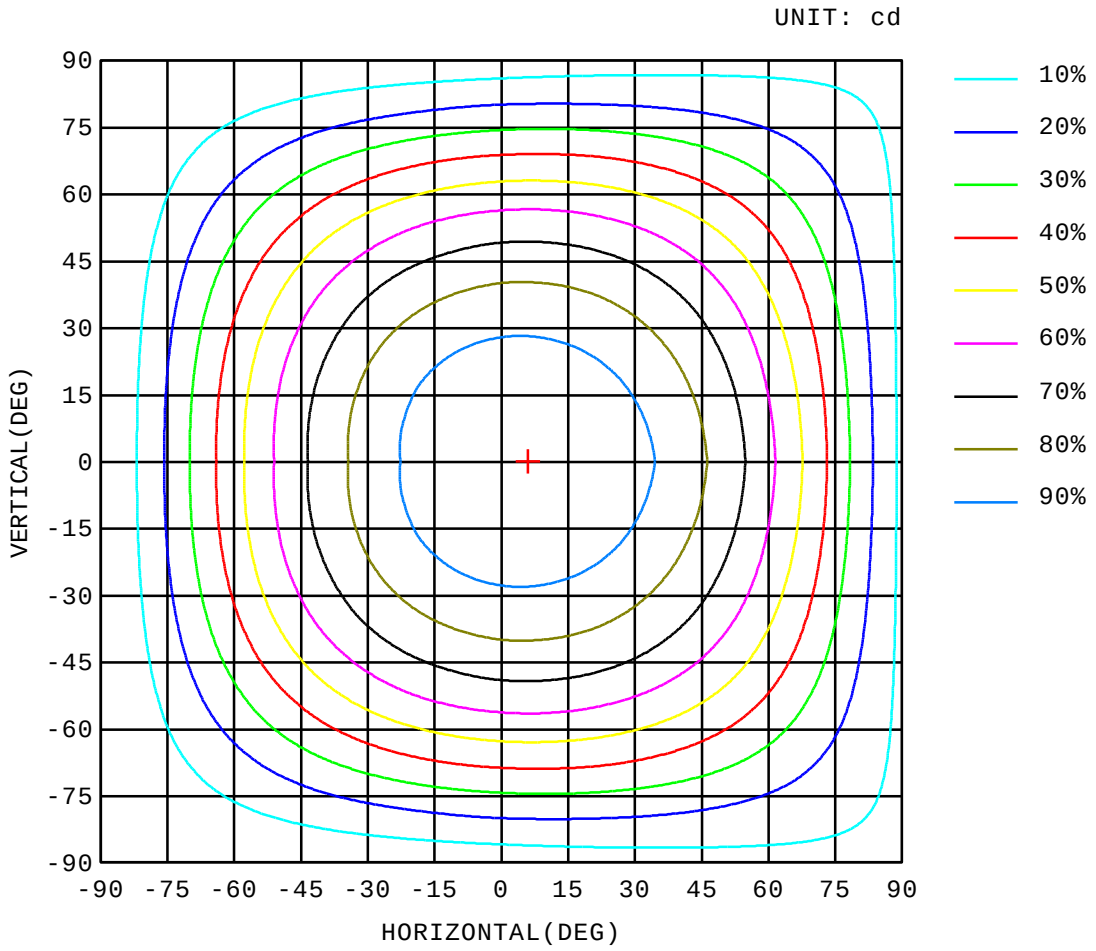
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
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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: