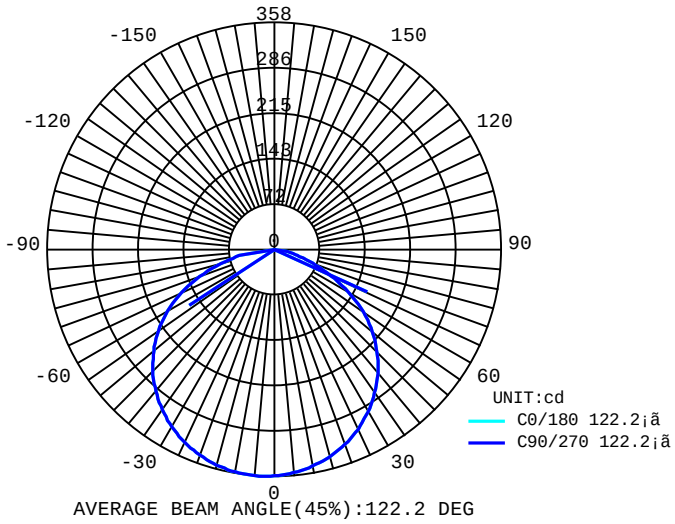
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: 5m LED strip HELMI PRO, 3000K, 24V, 20W/m, IP65	SKU: STRIP20-24V-IP65-3000-SMD-PRO	TYPE: LED
SPECIFICATION: LED light strip	NOTES: Single color	MEASURED BY: Lamppukauppa Led Store Oy

DATA OF LAMP		Imax(cd)	358.0	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	1031.8	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	55.8	Current(A)	0.770
NOMINAL FLUX(lm)	1031.9	η up(%)	0.0	Power(W)	18.48
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	1023.8	EEI	0.236(A)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):122.2 DEG

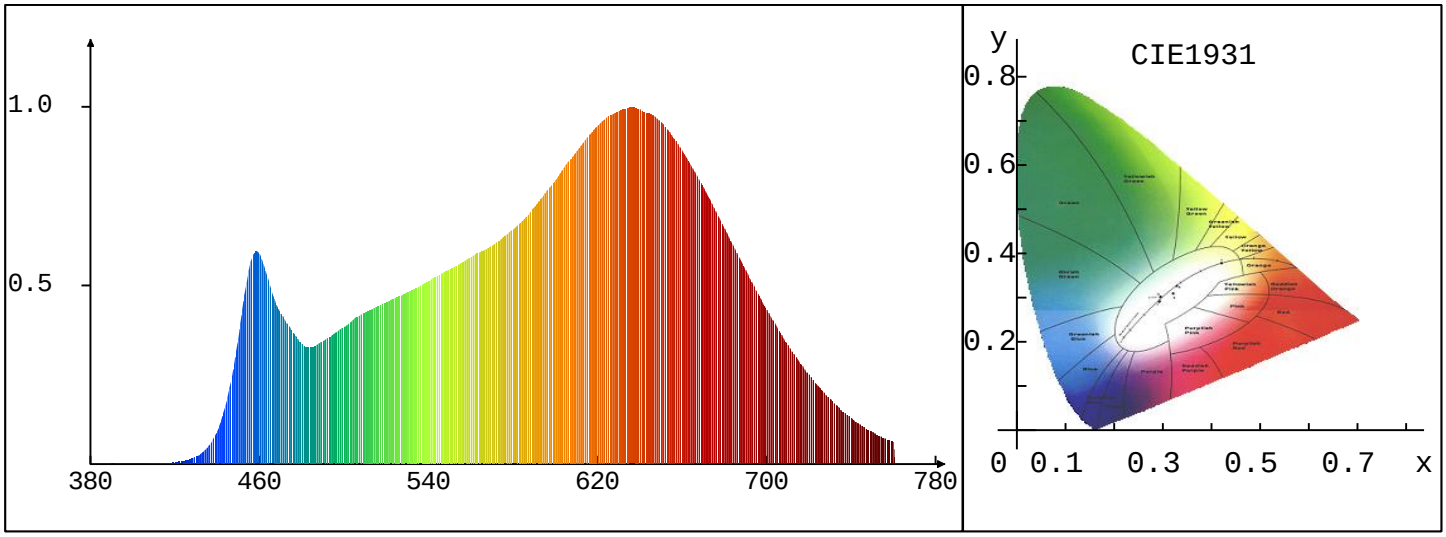
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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: 2971K Chro. Coor.: xa=0.4303 ya=0.3870 u'a=0.2537 v'a=0.5135 ¦¤u'v'=0.0000

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.4302 y=0.3870 u'=0.2537 v'=0.5134 duv=-0.0061

CCT: 2971K Dominant Wave: 585.4nm Purity: 45.3% Light Intensity: 743.7cd

Flux RGB Ratio: R=54.6%,G=31.7%,B=13.7% Peak Wave: 636.8nm Half Width: 158.1nm

Rendering Index: Ra= 93.6

R1 =94	R2 =93	R3 =95	R4 =97	R5 =93	R6 =88	R7 =94	R8 =97
R9 =95	R10=86	R11=94	R12=77	R13=93	R14=98	R15=95	

Instrument State

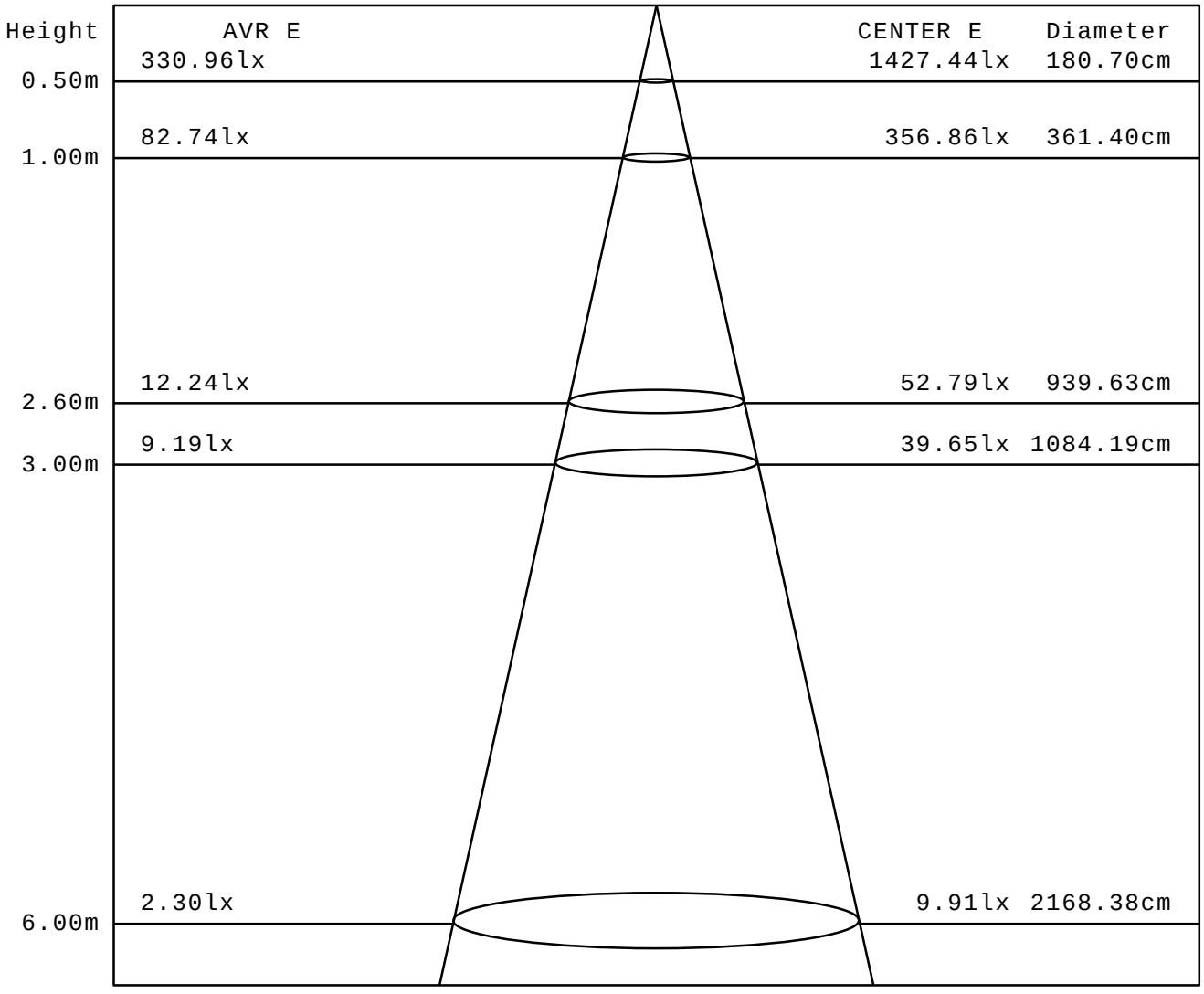
Scan Range: 380nm-780nmIntegral Time: 180.0ms Peak Signal: 180000 Dark Signal: 55119

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		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: 5m LED strip HELMI PRO, 3000K, 24V, 20W/m, IP65	SKU: STRIP20-24V-IP65-3000-SMD-PRO	TYPE: LED
SPECIFICATION: LED light strip	NOTES: Single color	MEASURED BY: Lamppukauppa Led Store Oy



Angle:122.1deg

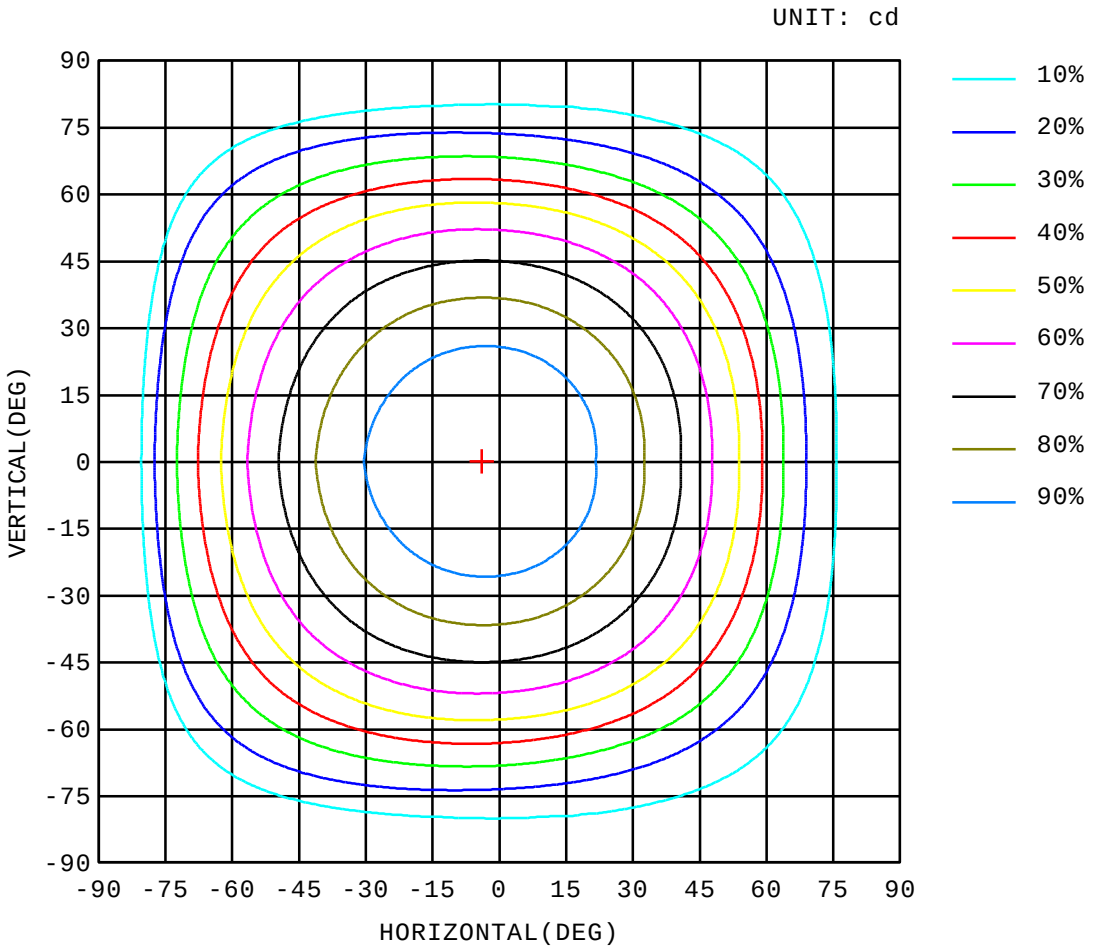
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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

ISOCANDELA DIAGRAM

Report number:

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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: