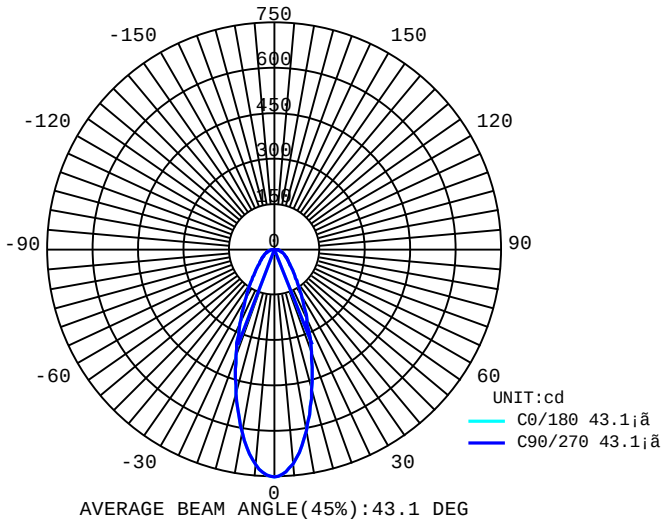
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED downlight — ROUND 023, IP54, CCT 2700-4000-5900K,dimmable 9W, high CRI97	SKU: 023-CCT-9W	TYPE: LED
SPECIFICATION: LED downlight, measured at the warm end of the color temperature range	NOTES: Color temperature adjustable	MEASURED BY: Lamppukauppa Led Store Oy

DATA OF LAMP		Imax(cd)	750.1	S/MH(C0/180)	0.62
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.62
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	577.56	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	61.7	Current(A)	0.390
NOMINAL FLUX(lm)	577.6	η up(%)	0.0	Power(W)	9.360
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	447.5	EEI	0.231(A)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):43.1 DEG

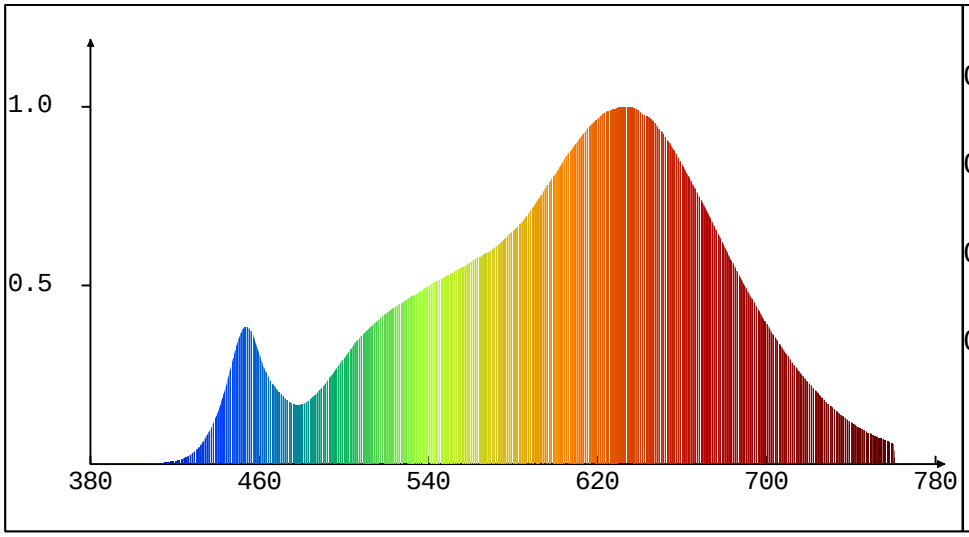
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

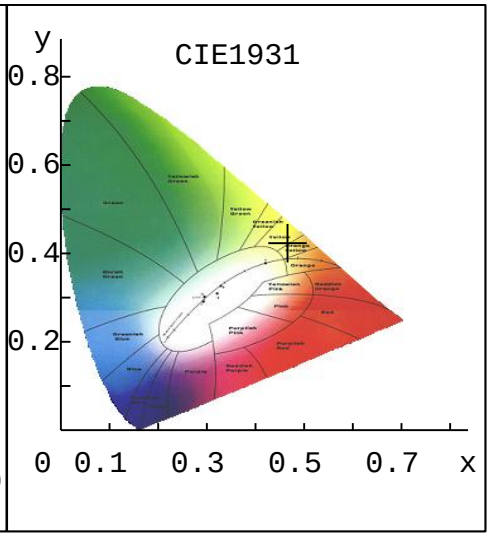
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Spectrum Chart

Report number:

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Avg Chro. Para.

CCT: 2707K Chro. Coor.: xa=0.4560 ya=0.4045 u'a=0.2627 v'a=0.5244 ¦¤u'v'=0.0005

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.4564 y=0.4044 u'=0.2630 v'=0.5244 duv=-0.0020

CCT: 2701K Dominant Wave: 584.9nm Purity: 58.4% Light Intensity: 2485.9cd

Flux RGB Ratio: R=57.1%,G=33.1%,B=9.9% Peak Wave: 630.8nm Half Width: 148.9nm

Rendering Index: Ra= 97.1

R1 =99	R2 =99	R3 =98	R4 =98	R5 =100	R6 =97	R7 =95	R8 =92
R9 =82	R10=98	R11=95	R12=90	R13=100	R14=98	R15=97	

Instrument State

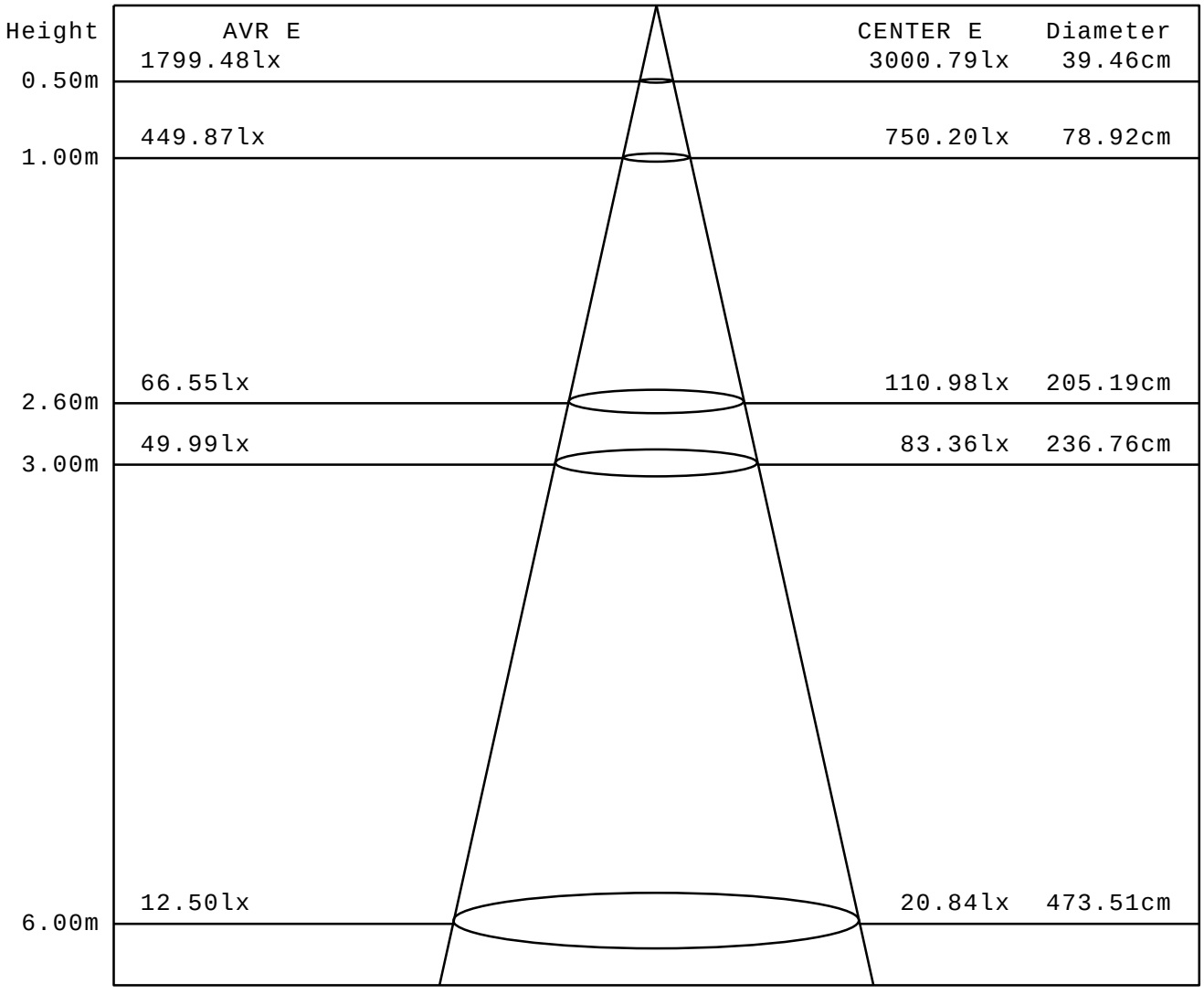
Scan Range: 380nm-780nmIntegral Time: 52.0ms Peak Signal: 52000 Dark Signal: 55808

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		
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SPECIFICATION: LED downlight, measured at the warm end of the color temperature range	NOTES: Color temperature adjustable	MEASURED BY: Lamppukauppa Led Store Oy



Angle:43.1deg

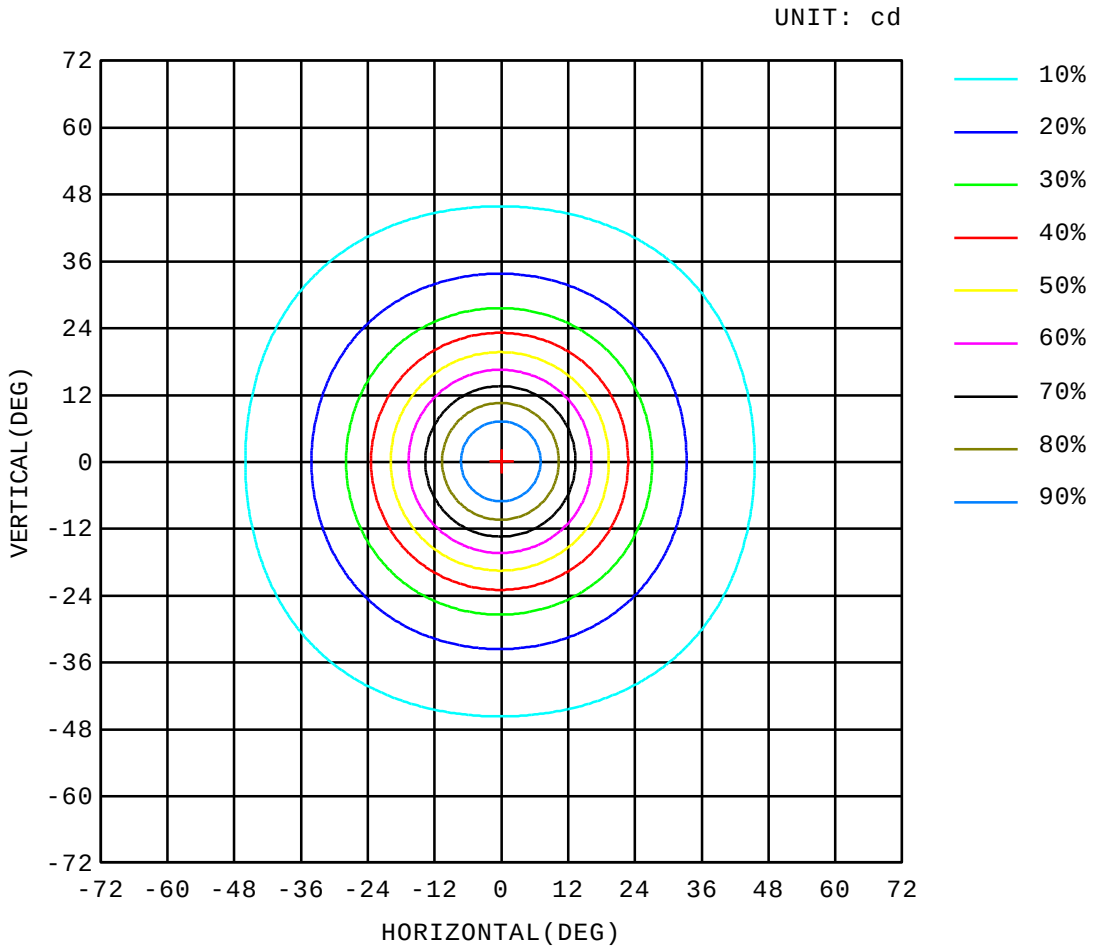
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
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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: