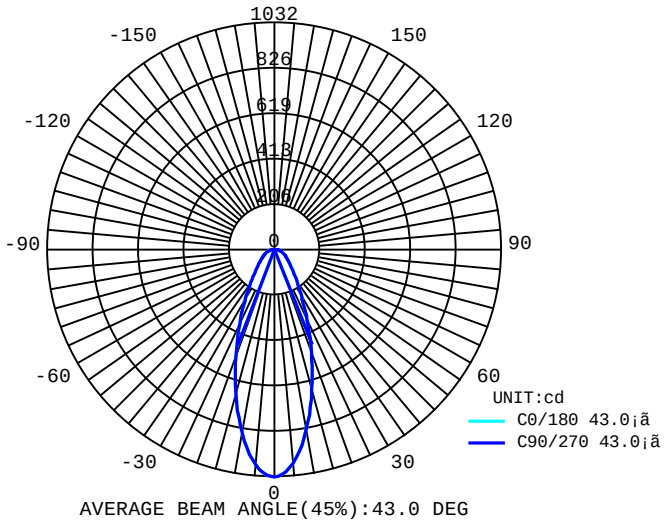
LUMINAIRE PHOTOMETRIC TEST REPORT

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 cool end of the color temperature range	NOTES: Color temperature adjustable	MEASURED BY: Lamppukauppa Led Store Oy

DATA OF LAMP		Imax(cd)	1032	S/MH(C0/180)	0.62
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.62
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	799.53	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	85.4	Current(A)	0.390
NOMINAL FLUX(lm)	799.5	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)	618.0	EEI	0.179(A)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):43.0 DEG

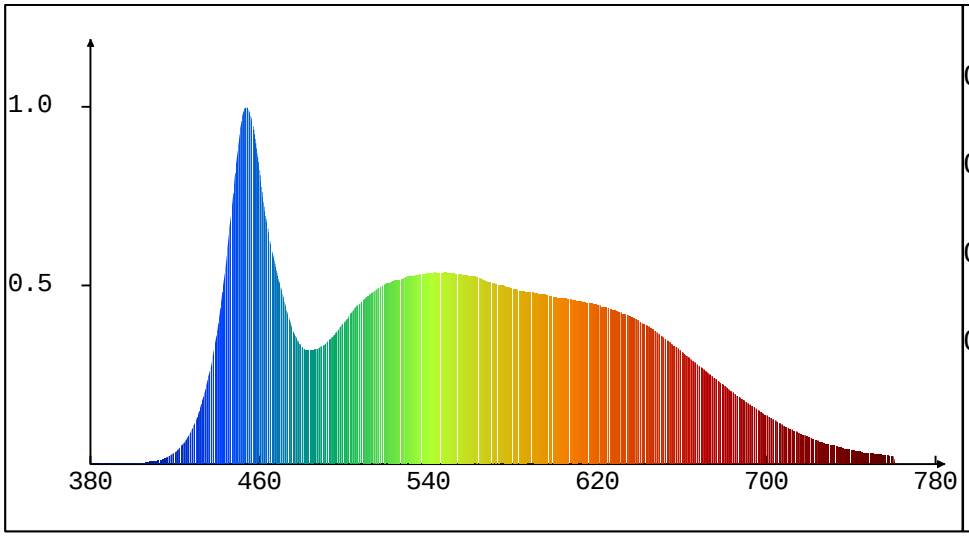
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

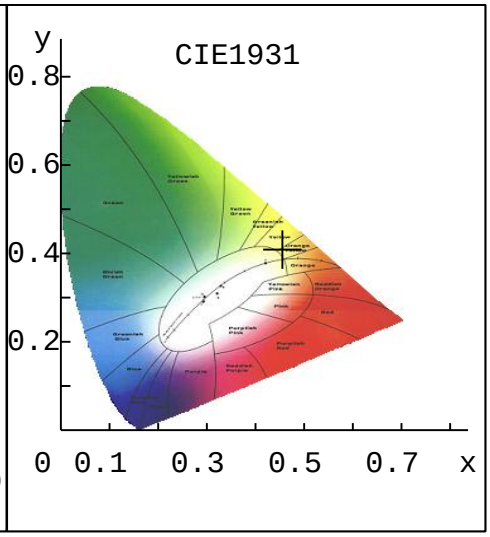
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Spectrum Chart

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
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Avg Chro. Para.

CCT: 5902K Chro. Coor.: xa=0.3237 ya=0.3380 u'a=0.2021 v'a=0.4747 ¦¤u'v'=0.0004

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.3243 y=0.3386 u'=0.2022 v'=0.4751 duv=0.0025

CCT: 5875K Dominant Wave: 499.5nm Purity: 2.8% Light Intensity: 3406.3cd

Flux RGB Ratio: R=30.6%,G=40.1%,B=29.3% Peak Wave: 452.6nm Half Width: 26.6nm

Rendering Index: Ra= 92.2

R1 =92	R2 =94	R3 =93	R4 =92	R5 =91	R6 =90	R7 =96	R8 =89
R9 =67	R10=85	R11=91	R12=68	R13=93	R14=96	R15=92	

Instrument State

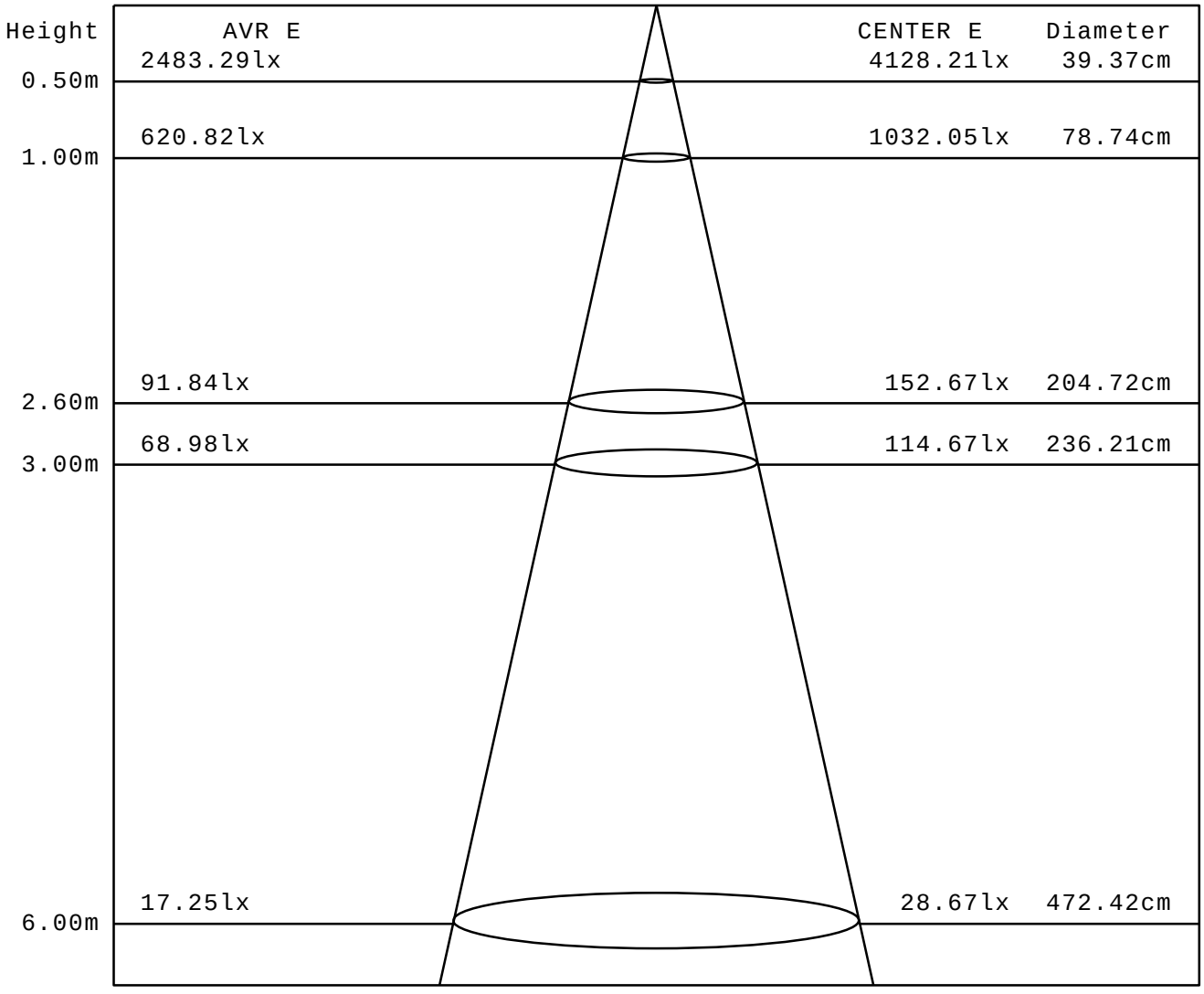
Scan Range: 380nm-780nmIntegral Time: 26.0ms Peak Signal: 26000 Dark Signal: 53372

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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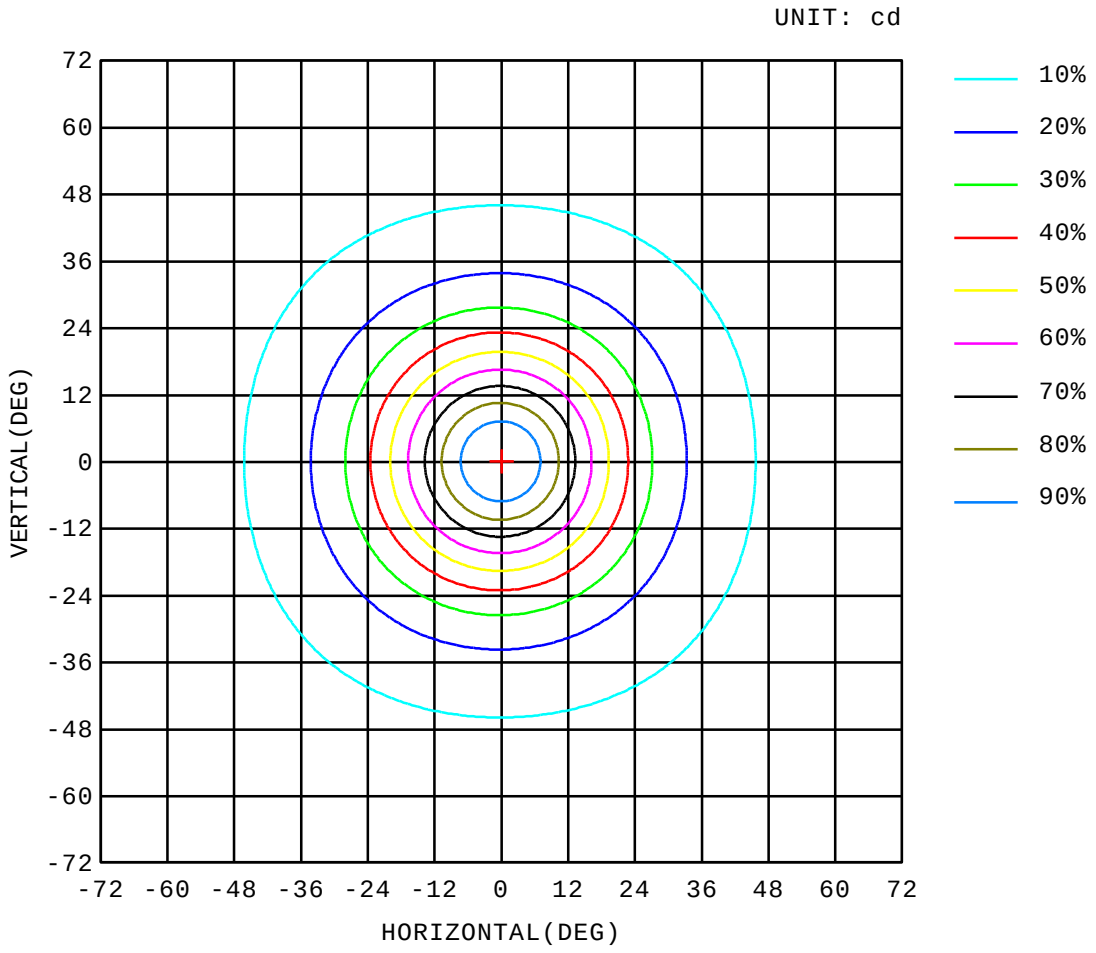
Angle:43.0deg

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:

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: