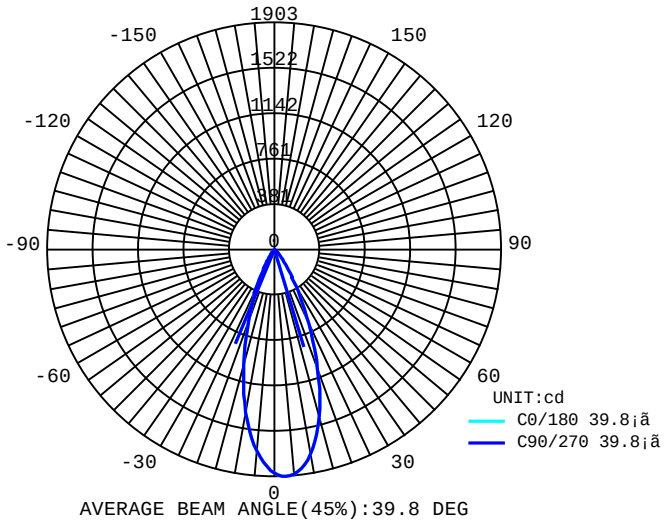
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: MIX series 24V led downlight module - dimmable, adjustable, 9W, CRI94, CCT, IP20	SKU: mix-module-24v-11w-cct	TYPE: LED
SPECIFICATION: LED module, 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)	1903	S/MH(C0/180)	0.68
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.68
NOMINAL POWER(W)	11	TOTAL FLUX(lm)	880.95	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	99.2	Current(A)	0.370
NOMINAL FLUX(lm)	881.0	η up(%)	0.0	Power(W)	8.880
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	791.5	EEI	0.140(A+)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):39.8 DEG

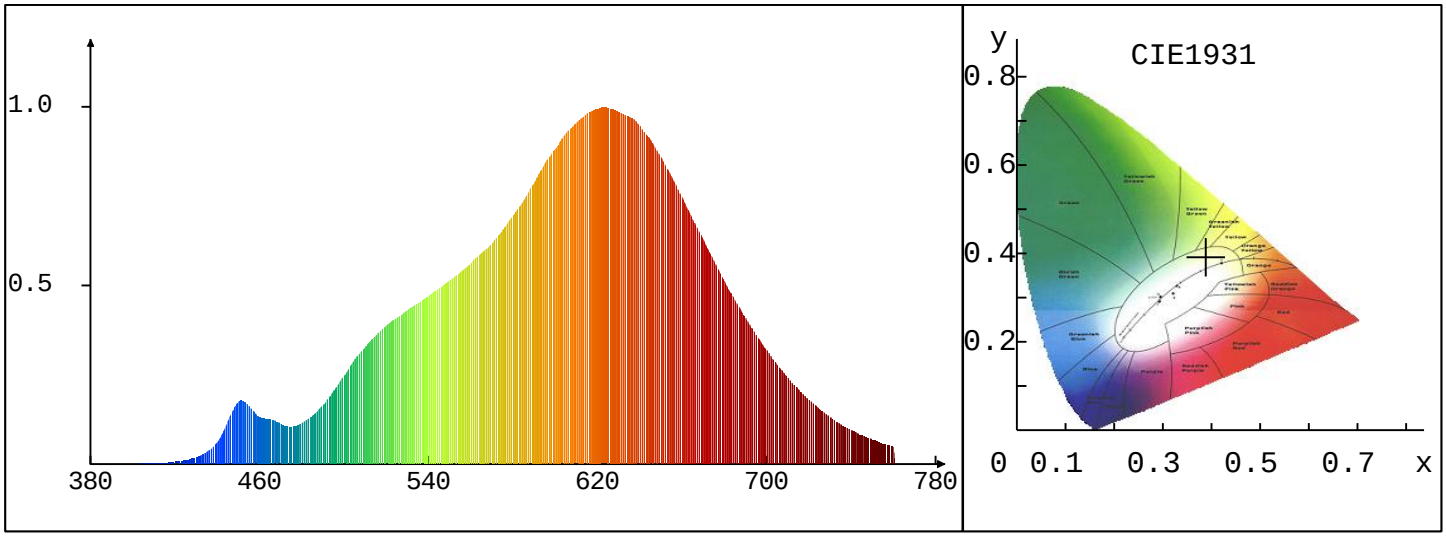
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
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Avg Chro. Para.

CCT: 2507K Chro. Coor.: xa=0.4869 ya=0.4310 u'a=0.2706 v'a=0.5389 ¦¤u'v'=0.0004

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.4872 y=0.4306 u'=0.2709 v'=0.5388 duv=0.0053

CCT: 2500K Dominant Wave: 583.8nm Purity: 75.5% Light Intensity: 5296.2cd

Flux RGB Ratio: R=57.8%,G=35.9%,B=6.3% Peak Wave: 621.9nm Half Width: 134.7nm

Rendering Index: Ra= 90.9

R1 =90	R2 =94	R3 =97	R4 =92	R5 =90	R6 =95	R7 =92	R8 =77
R9 =48	R10=86	R11=94	R12=81	R13=91	R14=97	R15=84	

Instrument State

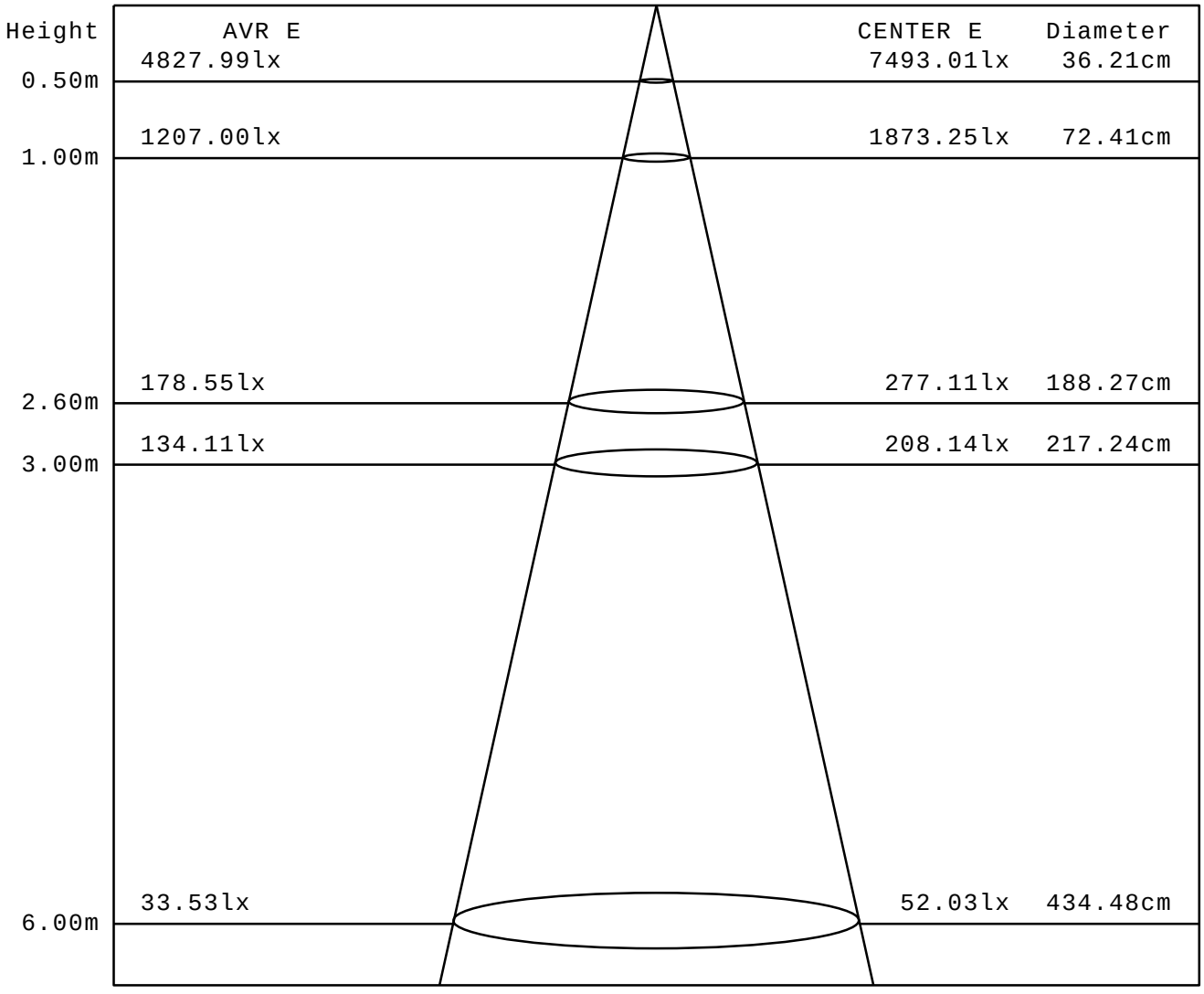
Scan Range: 380nm-780nmIntegral Time: 23.0ms Peak Signal: 23000 Dark Signal: 54548

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:

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



Angle:39.8deg

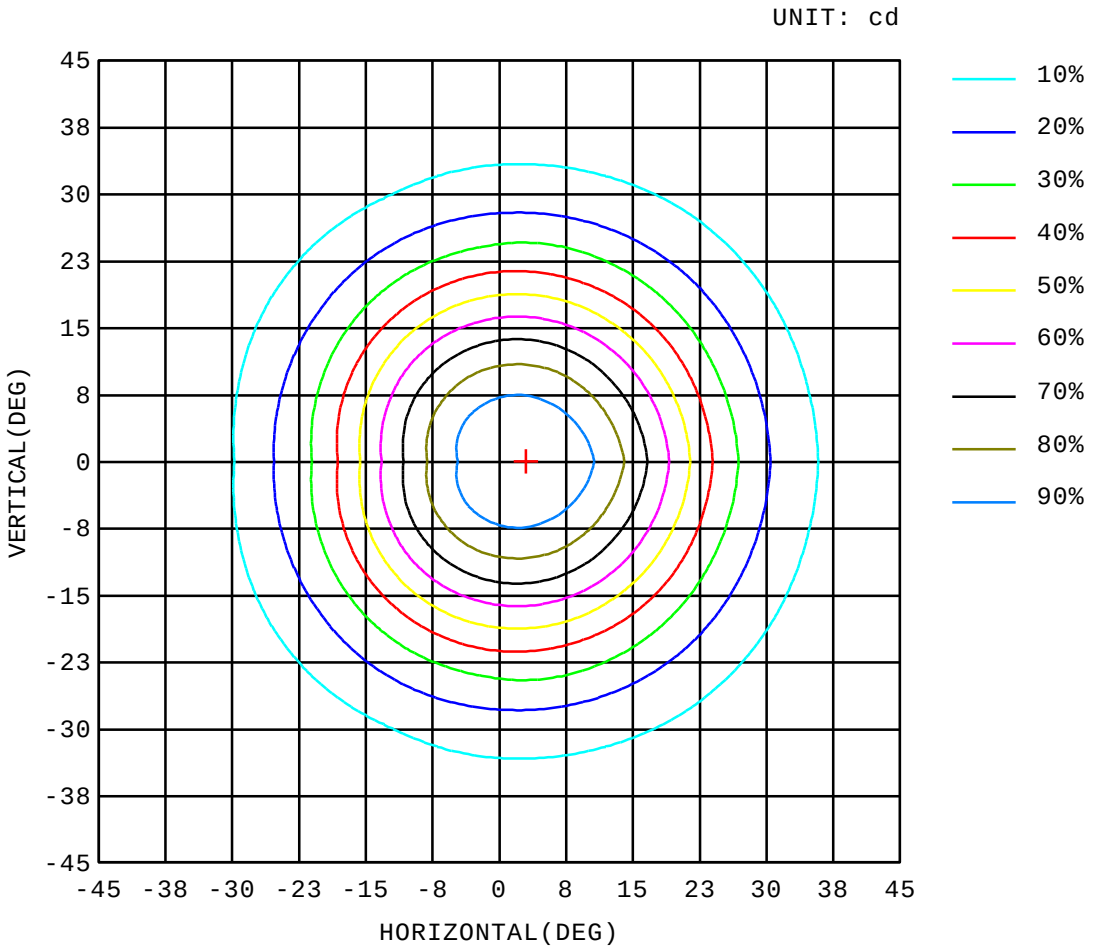
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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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