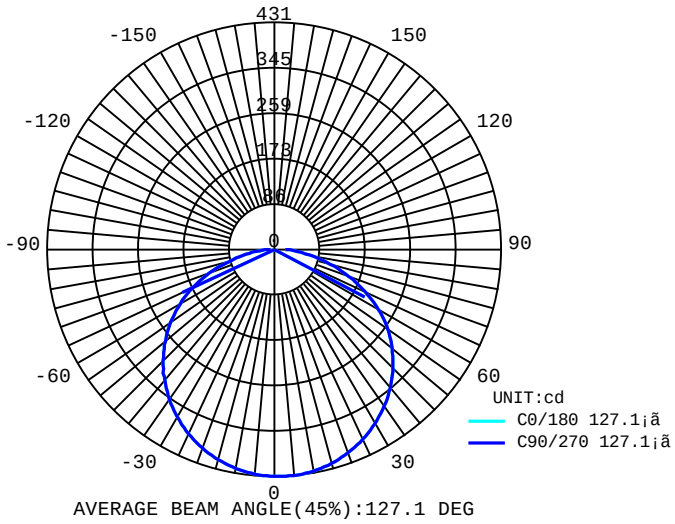
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED PANEL 200x200, TUNNELMA, CCT, dimmable, 15W, CRI98, IP54	SKU: PANEL200-CCT	TYPE: LED
SPECIFICATION: LED panel, 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)	431.3	S/MH(C0/180)	1.32
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.32
NOMINAL POWER(W)	15	TOTAL FLUX(lm)	1351.8	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	85.3	Current(A)	0.660
NOMINAL FLUX(lm)	1351.8	η up(%)	0.0	Power(W)	15.84
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	1332.1	EEI	0.162(A+)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):127.1 DEG

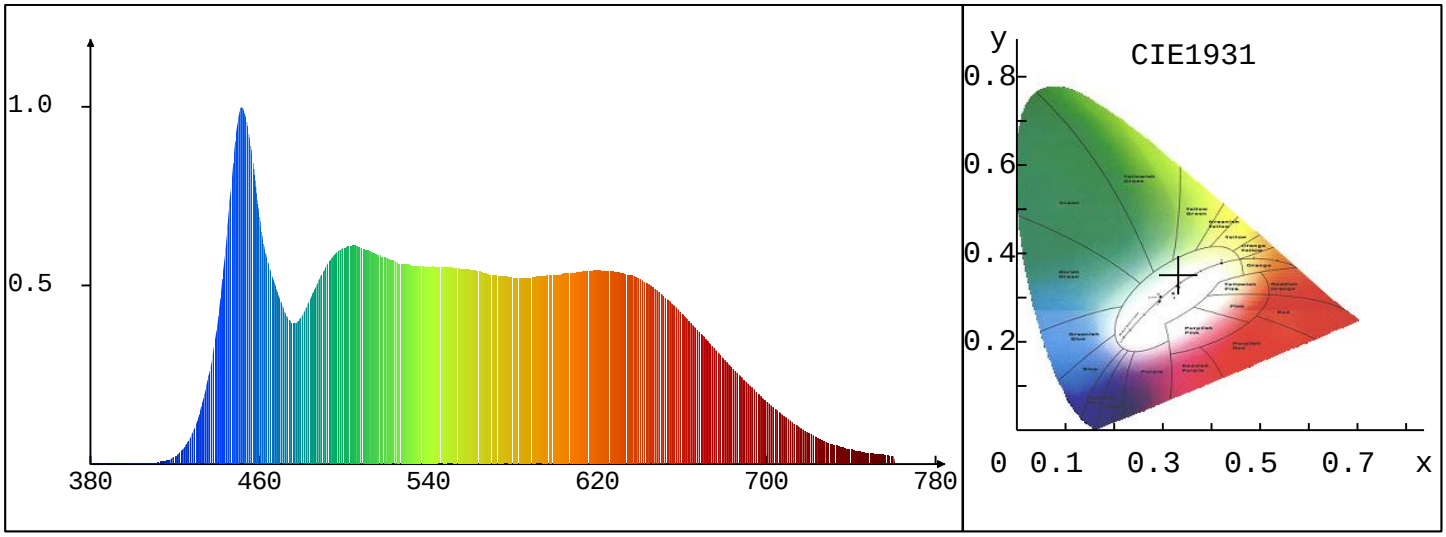
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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: 5501K Chro. Coor.: xa=0.3325 ya=0.3484 u'a=0.2041 v'a=0.4812 ¦¤u'v'=0.0000

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.3325 y=0.3484 u'=0.2041 v'=0.4812 duv=0.0037

CCT: 5501K Dominant Wave: 551.7nm Purity: 4.3% Light Intensity: 1364.2cd

Flux RGB Ratio: R=33.6%,G=38.7%,B=27.8% Peak Wave: 450.6nm Half Width: 24.8nm

Rendering Index: Ra= 97.9

R1 =98	R2 =99	R3 =99	R4 =99	R5 =99	R6 =97	R7 =97	R8 =96
R9 =95	R10=97	R11=97	R12=83	R13=99	R14=99	R15=97	

Instrument State

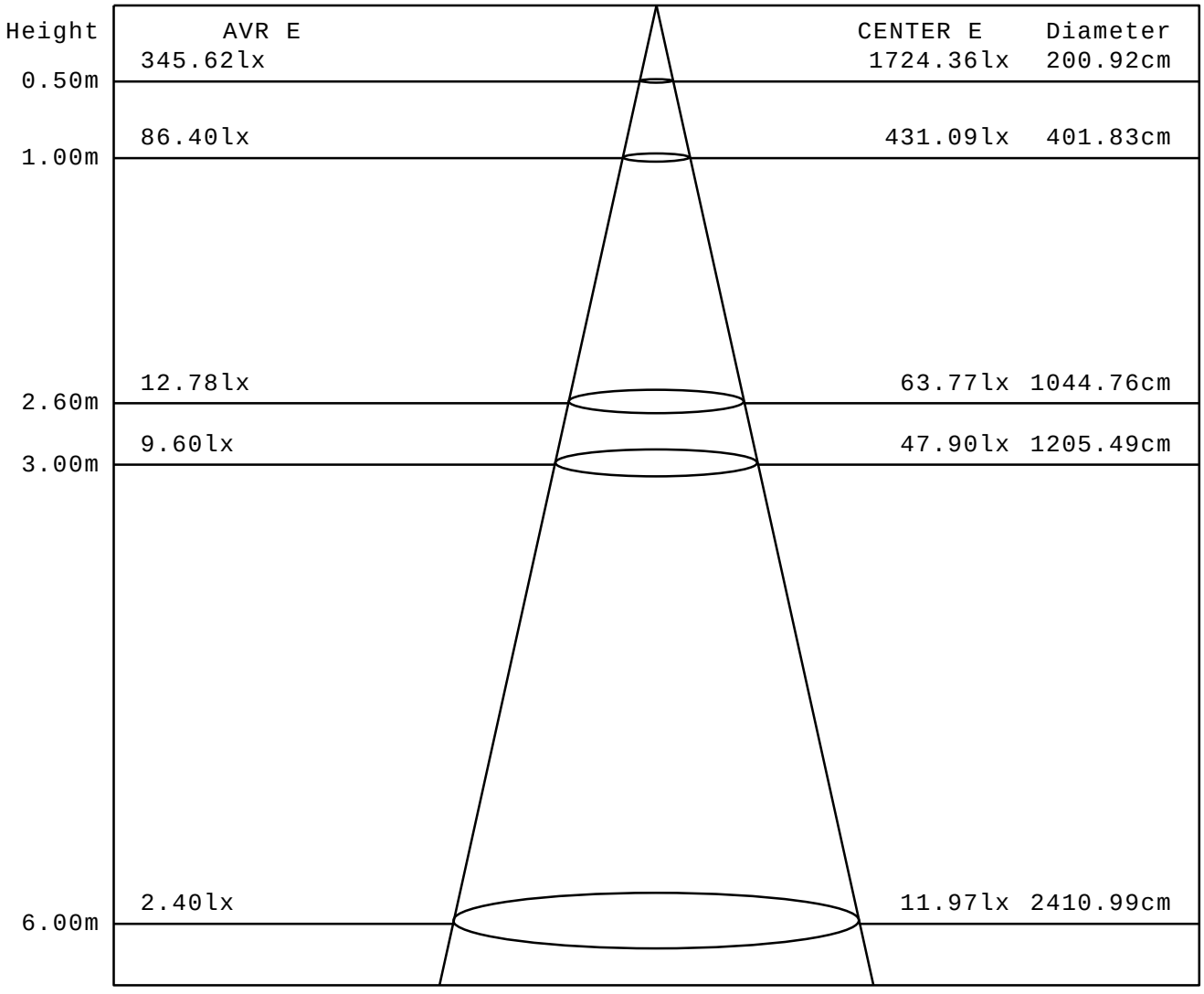
Scan Range: 380nm-780nmIntegral Time: 76.0ms Peak Signal: 76000 Dark Signal: 56515

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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Angle:127.1deg

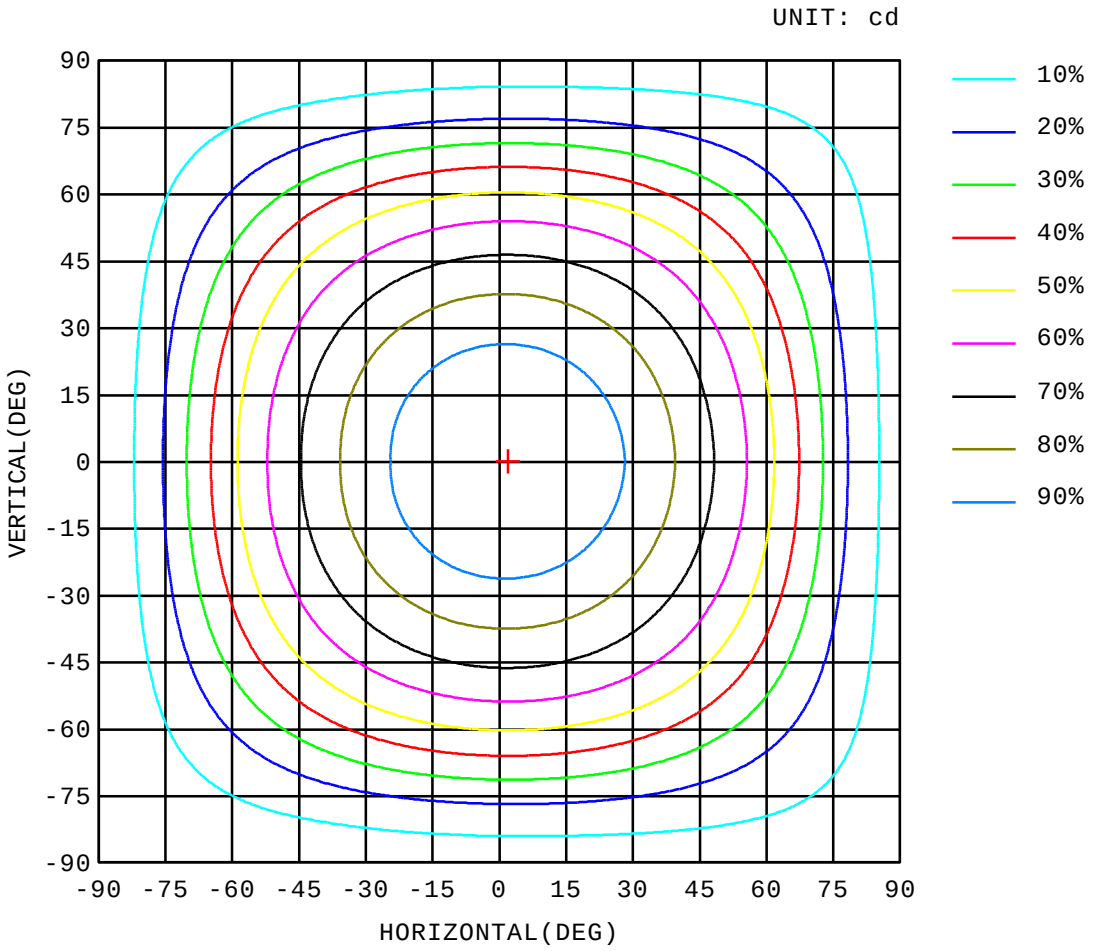
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
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Test System:HopooColor HP880
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Humidity:65.0%
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Remarks: