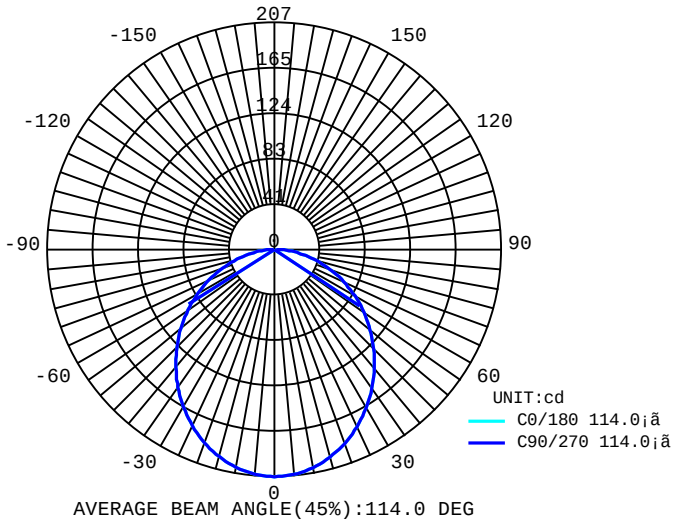
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED downlight — SQUARE SQ233W, CCT 2700-4000-5900K,dimmable, tiltable 18W, IP44, high CRI91	SKU: SQ233-CCT-18W	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)	413.6	S/MH(C0/180)	1.21
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.21
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1117.84	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	61.3	Current(A)	0.760
NOMINAL FLUX(lm)	1117.8	η up(%)	0.0	Power(W)	18.24
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	1097	EEI	0.187(B)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):114.0 DEG

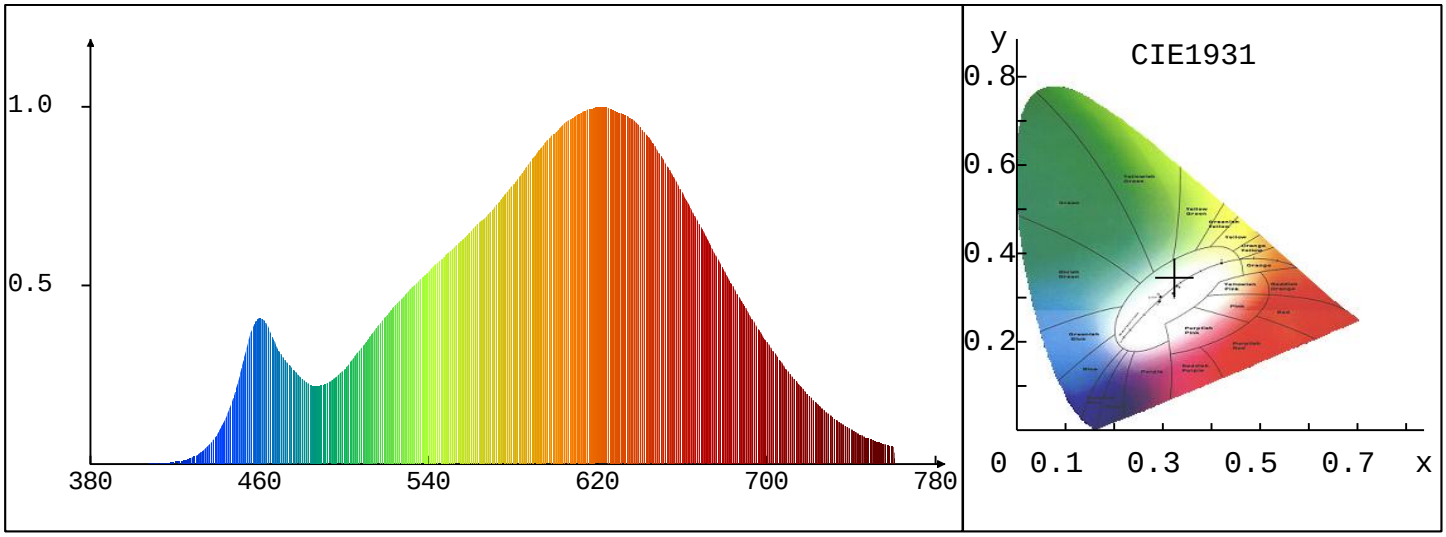
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED downlight — SQUARE SQ233W, CCT 2700-4000-5900K,dimmable, tiltable 18W, IP44, high CRI91	SKU: SQ233-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



Avg Chro. Para.

CCT: 2744K Chro. Coor.: xa=0.4571 ya=0.4111 u'a=0.2604 v'a=0.5271 ¦¤u'v'=0.0000

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.4571 y=0.4112 u'=0.2604 v'=0.5271 duv=0.0004

CCT: 2743K Dominant Wave: 583.8nm Purity: 60.6% Light Intensity: 727.2cd

Flux RGB Ratio: R=53.5%,G=36.2%,B=10.2% Peak Wave: 621.9nm Half Width: 151.1nm

Rendering Index: Ra= 90.1

R1 =90	R2 =96	R3 =99	R4 =88	R5 =89	R6 =95	R7 =89	R8 =77
R9 =50	R10=88	R11=87	R12=77	R13=91	R14=99	R15=86	

Instrument State

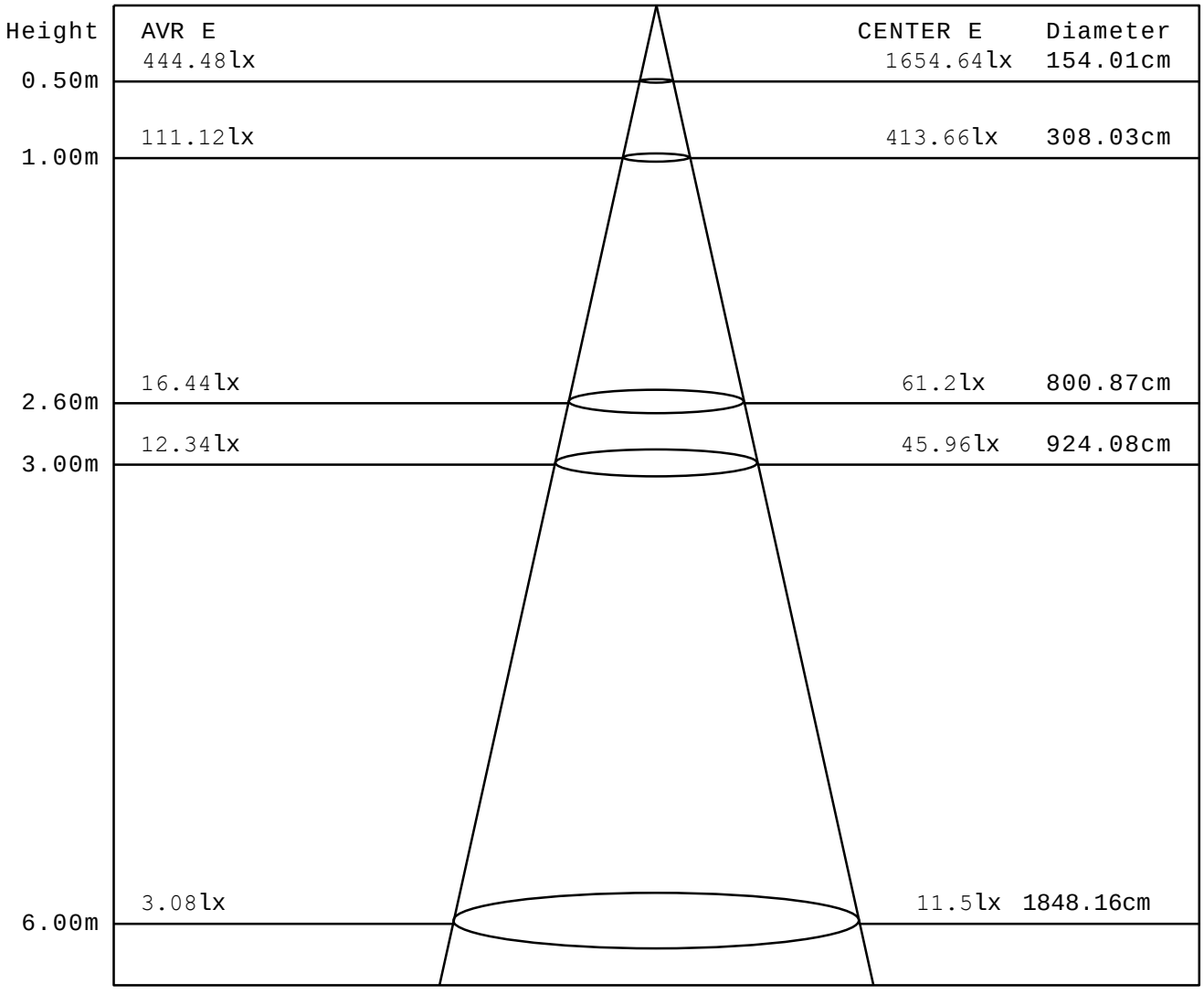
Scan Range: 380nm-780nmIntegral Time: 180.0ms Peak Signal: 180000 Dark Signal: 53454

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



Angle:114.0deg

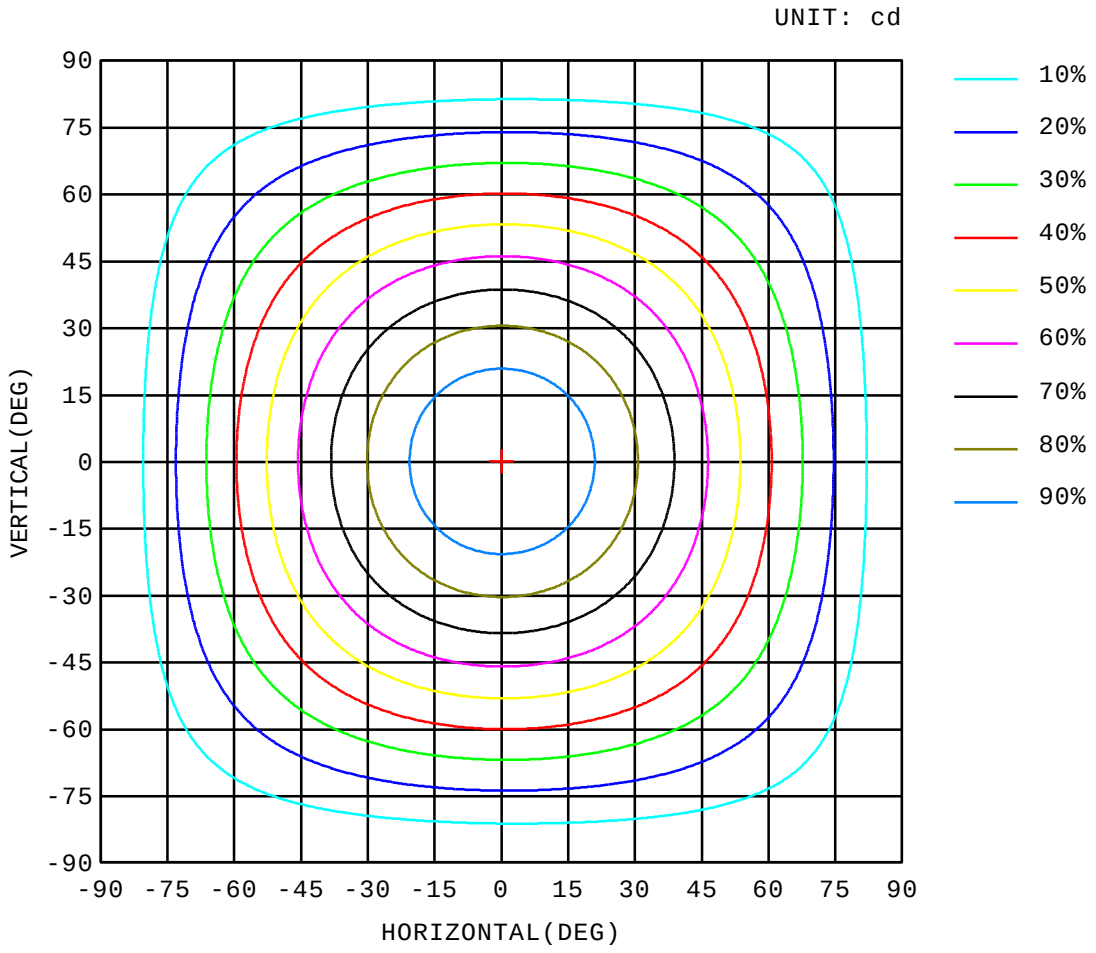
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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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