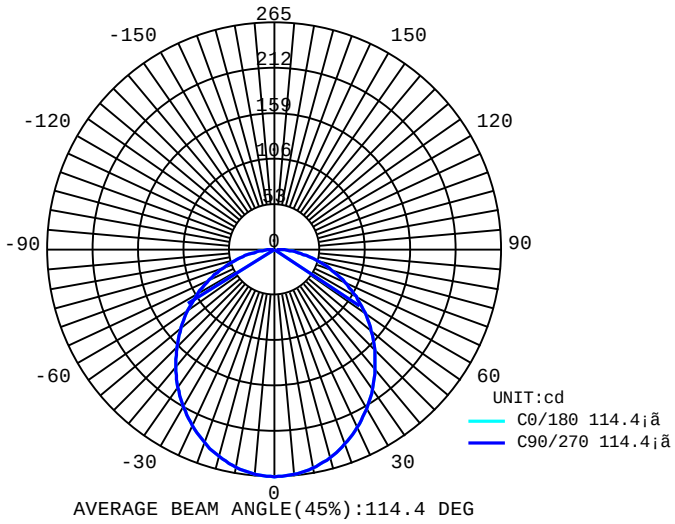
LUMINAIRE PHOTOMETRIC TEST REPORT

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

DATA OF LAMP		Imax(cd)	529.8	S/MH(C0/180)	1.21
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.21
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	1438.34	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	78.9	Current(A)	0.760
NOMINAL FLUX(lm)	1438.4	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)	1411.6	EEI	0.157(A+)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):114.4 DEG

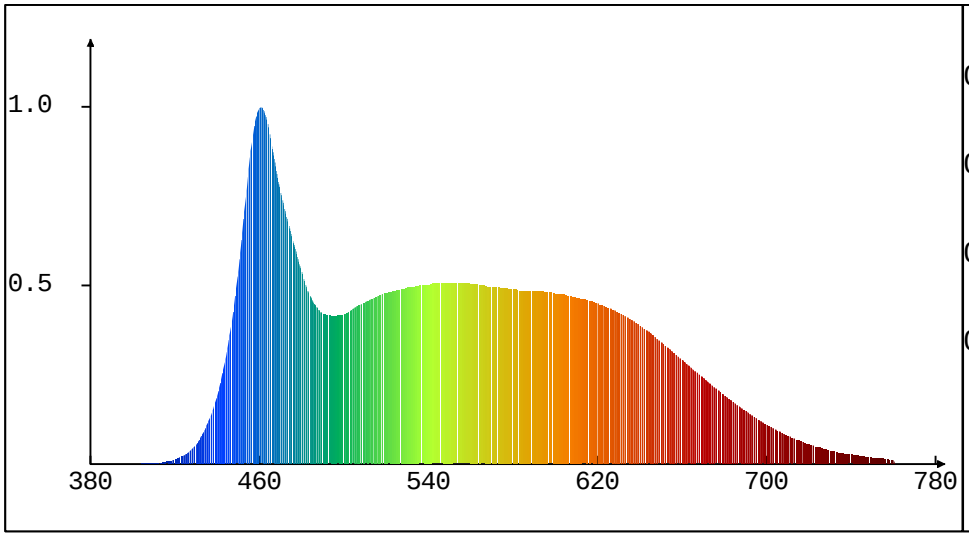
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

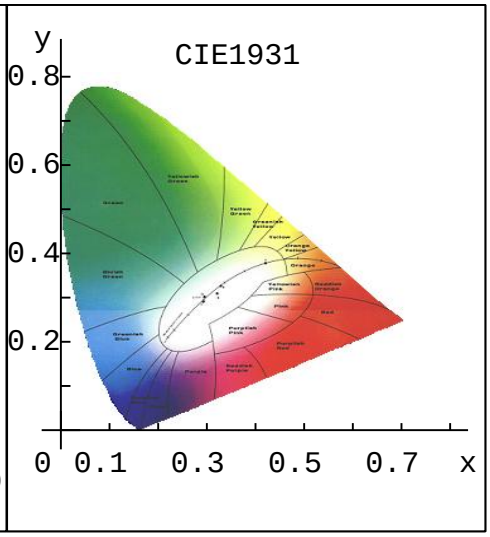
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Spectrum Chart

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
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Avg Chro. Para.

CCT: 5878K Chro. Coor.: xa=0.3241 ya=0.3421 u'a=0.2008 v'a=0.4768 ¦¤u'v'=0.0000

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.3241 y=0.3421 u'=0.2008 v'=0.4768 duv=0.0043

CCT: 5877K Dominant Wave: 504.6nm Purity: 2.8% Light Intensity: 931.2cd

Flux RGB Ratio: R=29.3%,G=39.8%,B=31.0% Peak Wave: 459.6nm Half Width: 32.0nm

Rendering Index: Ra= 90.7

R1 =94	R2 =98	R3 =94	R4 =84	R5 =91	R6 =95	R7 =87	R8 =83
R9 =69	R10=97	R11=87	R12=69	R13=98	R14=97	R15=91	

Instrument State

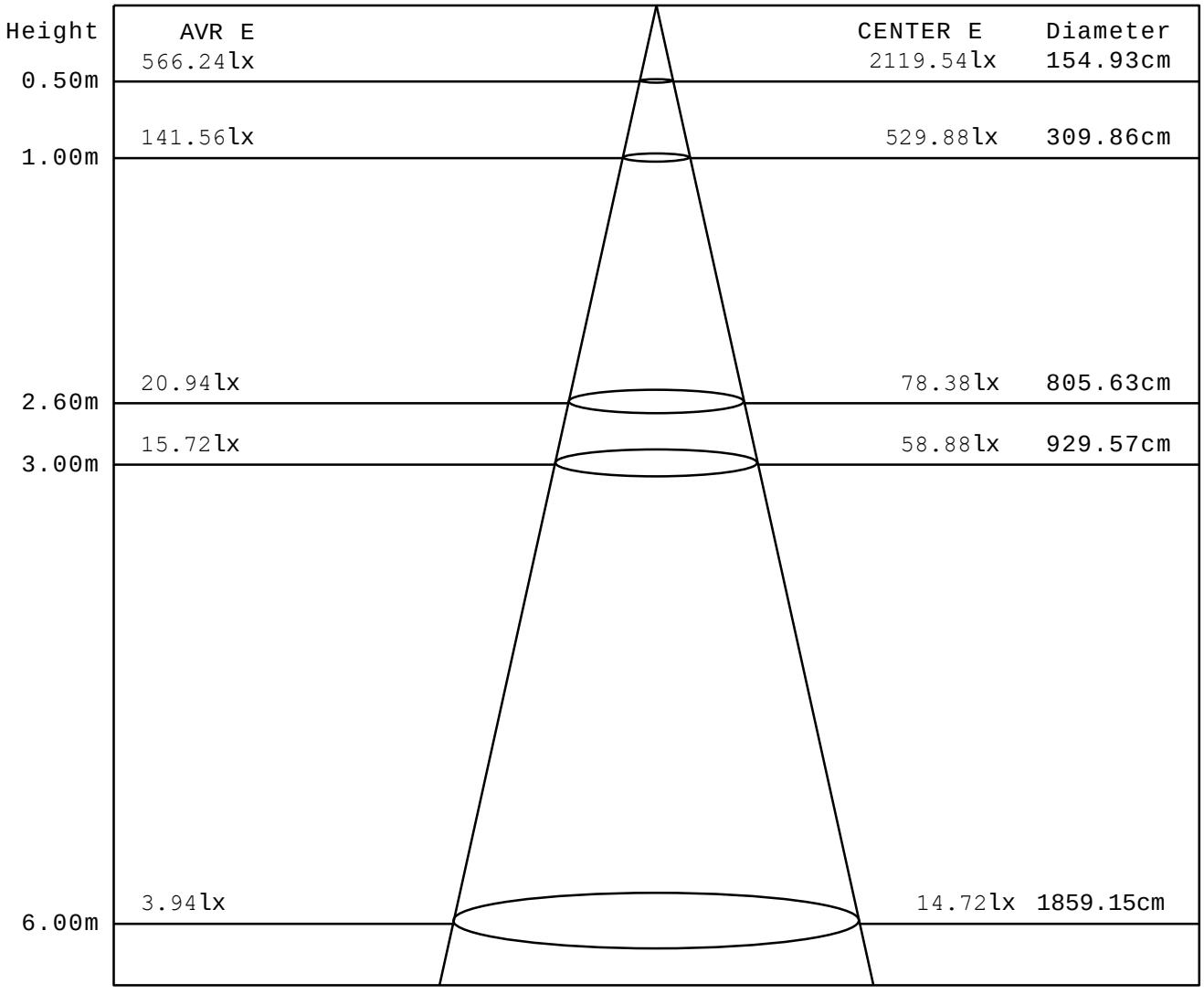
Scan Range: 380nm-780nmIntegral Time: 80.0ms Peak Signal: 80000 Dark Signal: 46412

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:114.3deg

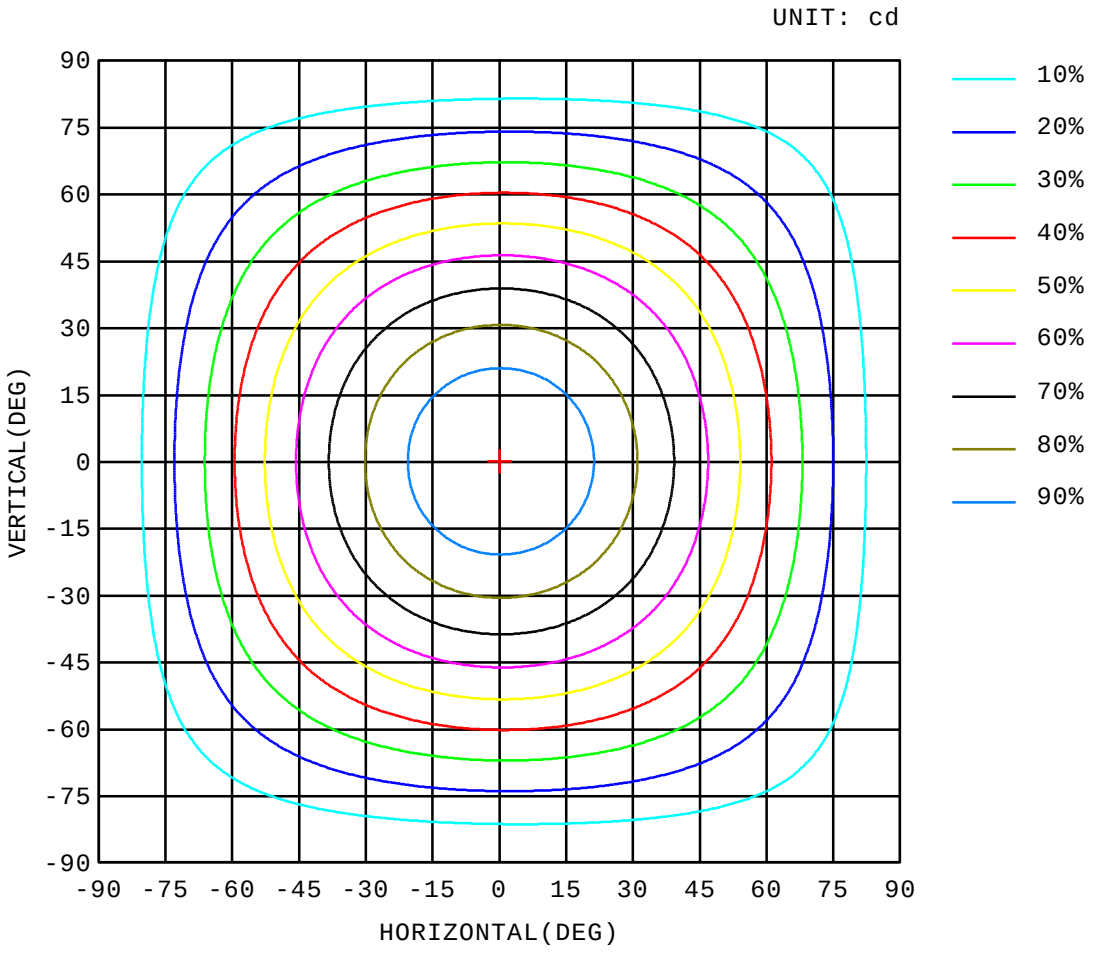
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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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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: