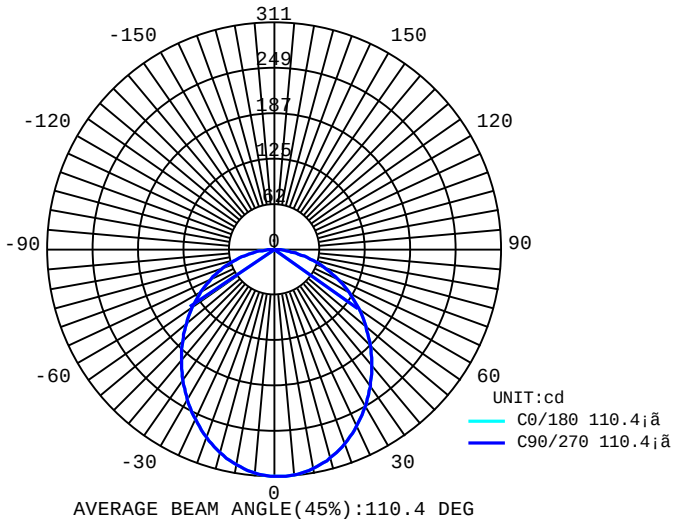
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED downlight — ROUND 033, IP44, CCT 2700-4000-5600K adjustable & dimmable 9W, high CRI91	SKU: 033-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)	311.4	S/MH(C0/180)	1.20
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.20
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	803.86	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	85.9	Current(A)	0.390
NOMINAL FLUX(lm)	803.9	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)	791.7	EEI	0.147(A+)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):110.4 DEG

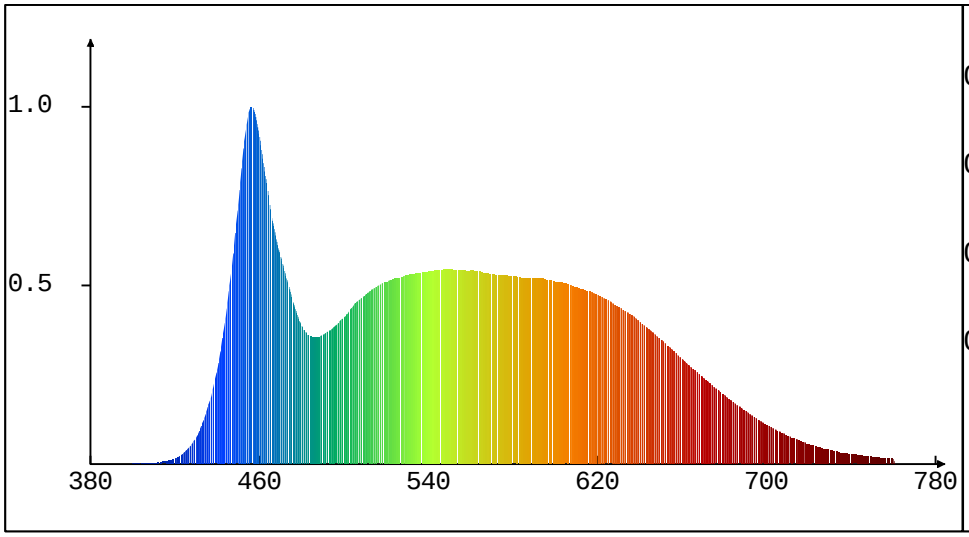
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

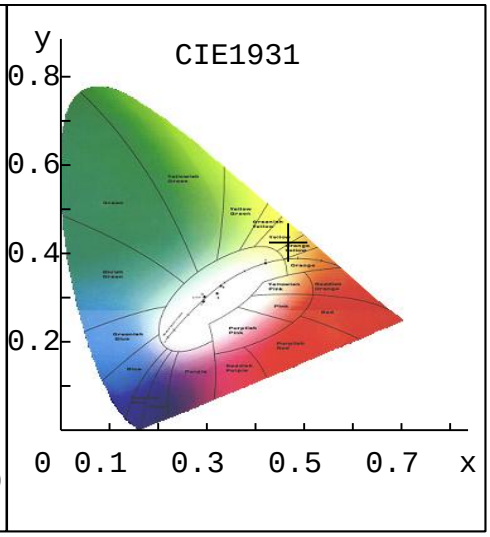
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Spectrum Chart

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
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Avg Chro. Para.

CCT: 5606K Chro. Coor.: xa=0.3300 ya=0.3472 u'a=0.2029 v'a=0.4803 ¦¤u'v'=0.0001

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.3300 y=0.3472 u'=0.2029 v'=0.4803 duv=0.0042

CCT: 5606K Dominant Wave: 540.6nm Purity: 3.3% Light Intensity: 1040.6cd

Flux RGB Ratio: R=29.6%,G=41.5%,B=28.9% Peak Wave: 455.6nm Half Width: 27.3nm

Rendering Index: Ra= 91.2

R1 =92	R2 =97	R3 =96	R4 =87	R5 =89	R6 =93	R7 =92	R8 =83
R9 =55	R10=91	R11=88	R12=67	R13=95	R14=99	R15=90	

Instrument State

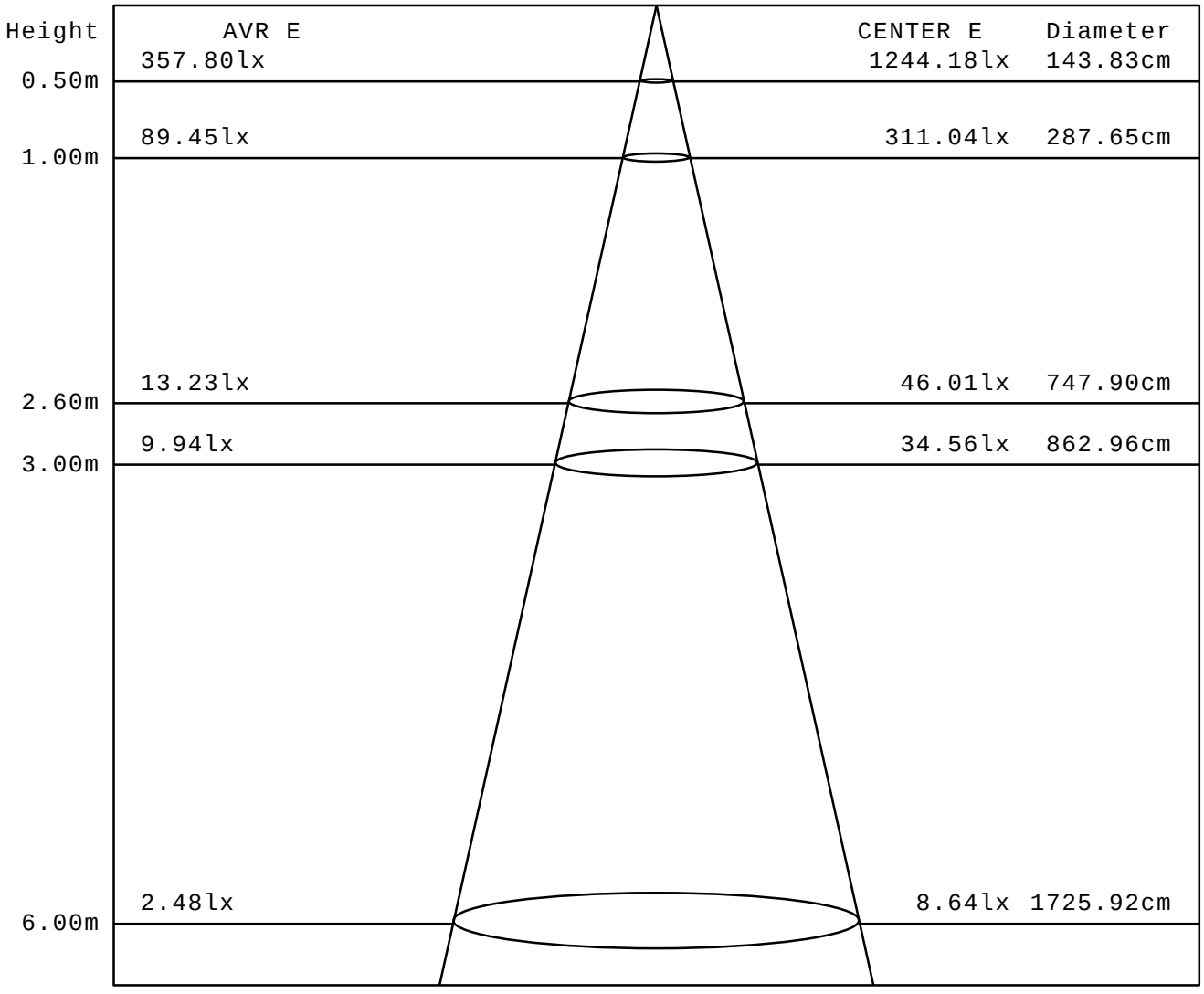
Scan Range: 380nm-780nmIntegral Time: 93.0ms Peak Signal: 93000 Dark Signal: 57116

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		
NAME: LED downlight — ROUND 033, IP44, CCT 2700-4000-5600K adjustable & dimmable 9W, high CRI91	SKU: 033-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



Angle:110.4deg

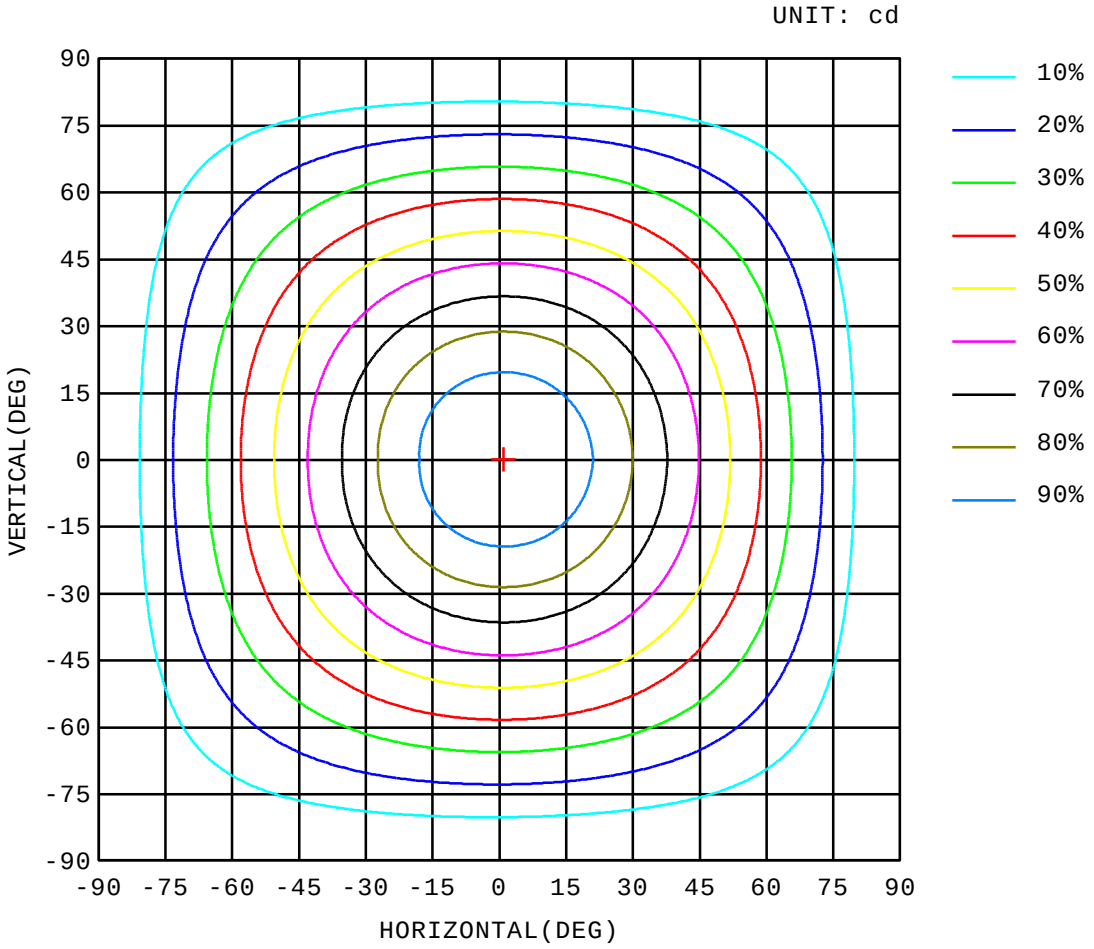
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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		
NAME : LED downlight — ROUND 033, IP44, CCT 2700-4000-5600K adjustable & dimmable 9W, high CRI91	TYPE: 033-CCT-9W	WEIGHT:
SPECIFICATION: downlight, measured at the cool end of the color temperature range	DIMENSION: temperature adjustable	SERIAL NO: Lamppukauppa Led Store Oy



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: