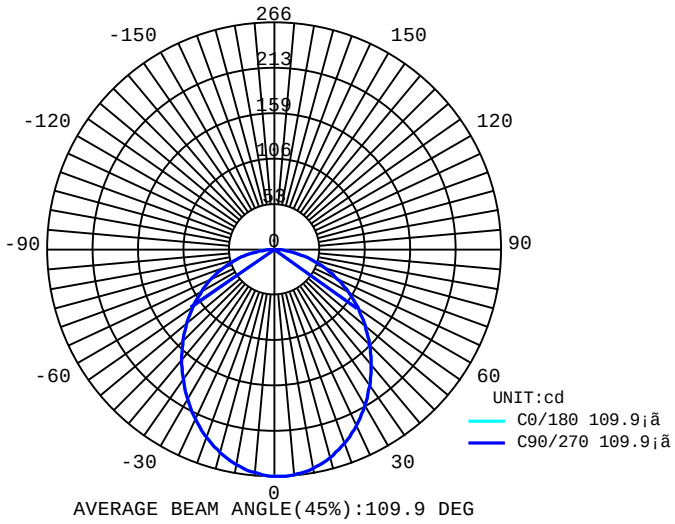
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED downlight — ROUND, IP44, CCT 2700-4000-5600K adjustable & dimmable 9W, high CRI91	SKU: R033-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

DATA OF LAMP		Imax(cd)	265.8	S/MH(C0/180)	1.19
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.19
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	682.76	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	72.9	Current(A)	0.390
NOMINAL FLUX(lm)	682.8	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)	670.8	EEI	0.168(A+)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):109.9 DEG

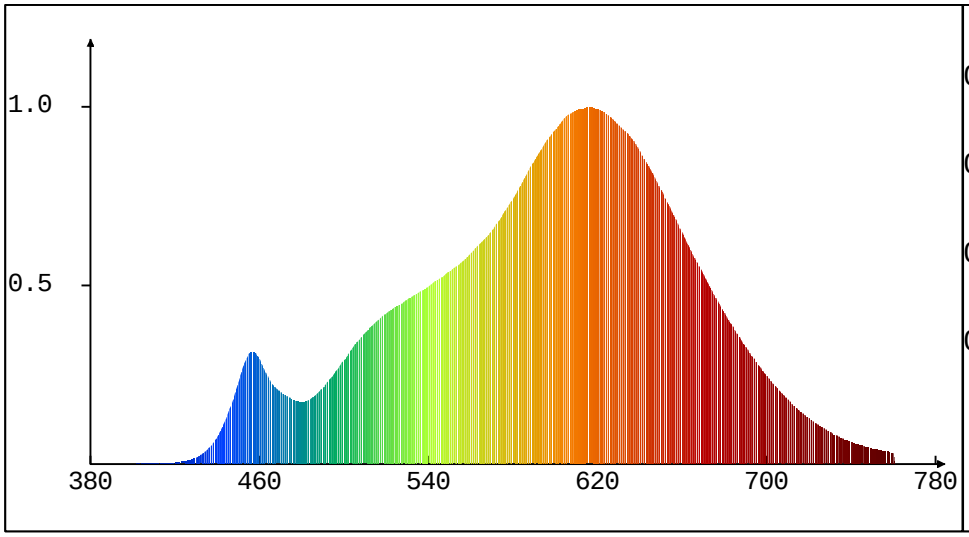
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

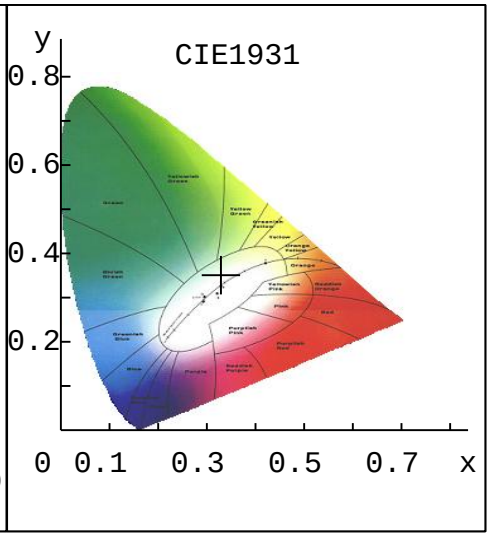
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Spectrum Chart

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
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Avg Chro. Para.

CCT: 2683K Chro. Coor.: xa=0.4659 ya=0.4191 u'a=0.2626 v'a=0.5315 ¦¤u'v'=0.0001

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.4659 y=0.4191 u'=0.2626 v'=0.5315 duv=0.0026

CCT: 2682K Dominant Wave: 583.5nm Purity: 65.7% Light Intensity: 890.2cd

Flux RGB Ratio: R=52.3%,G=38.4%,B=9.3% Peak Wave: 615.9nm Half Width: 132.7nm

Rendering Index: Ra= 89.9

R1 =90	R2 =96	R3 =98	R4 =89	R5 =89	R6 =96	R7 =89	R8 =73
R9 =39	R10=90	R11=91	R12=81	R13=92	R14=99	R15=83	

Instrument State

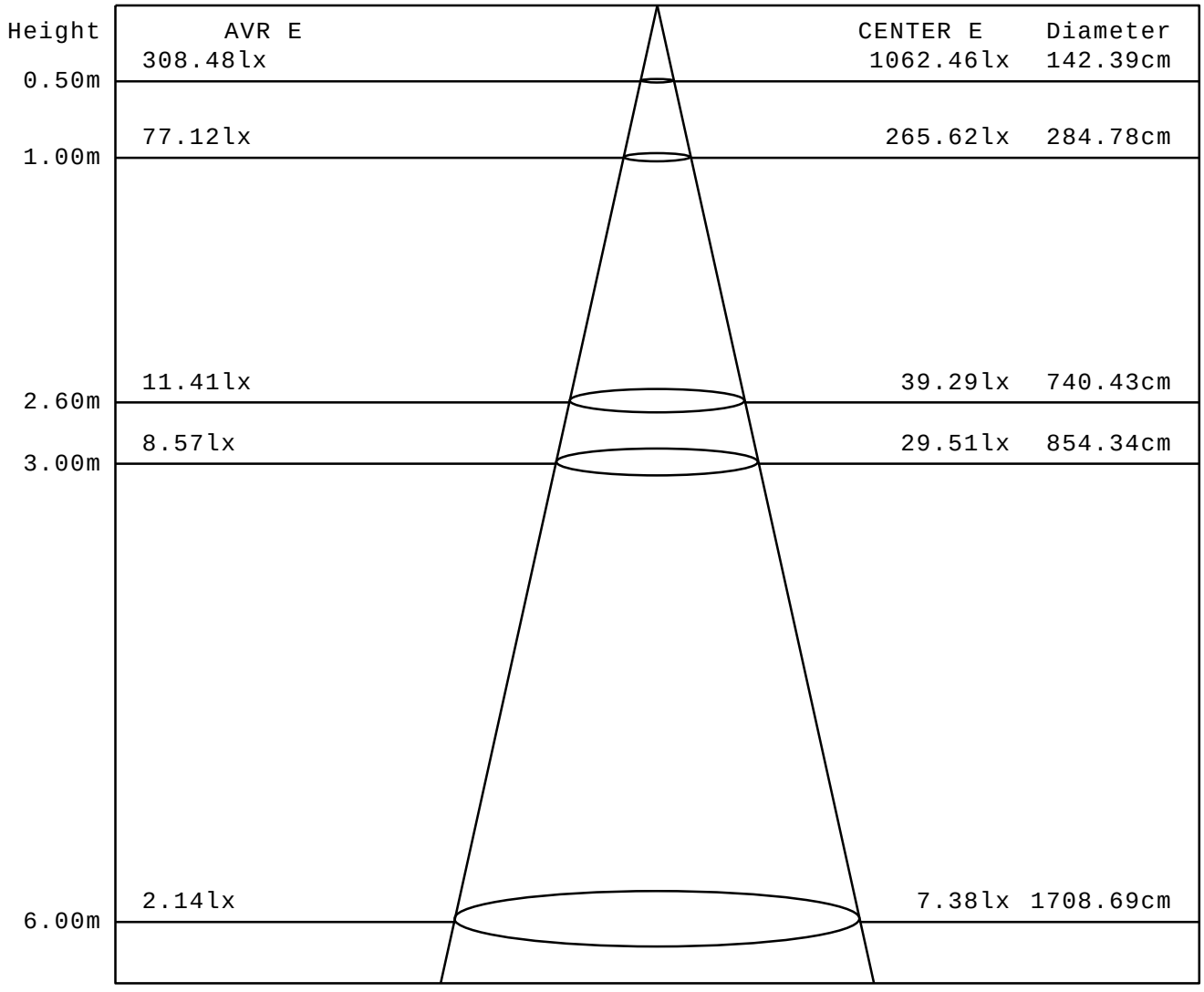
Scan Range: 380nm-780nmIntegral Time: 140.0ms Peak Signal: 140000 Dark Signal: 56101

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, IP44, CCT 2700-4000-5600K adjustable & dimmable 9W, high CRI91	SKU: R033-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



Angle:109.8deg

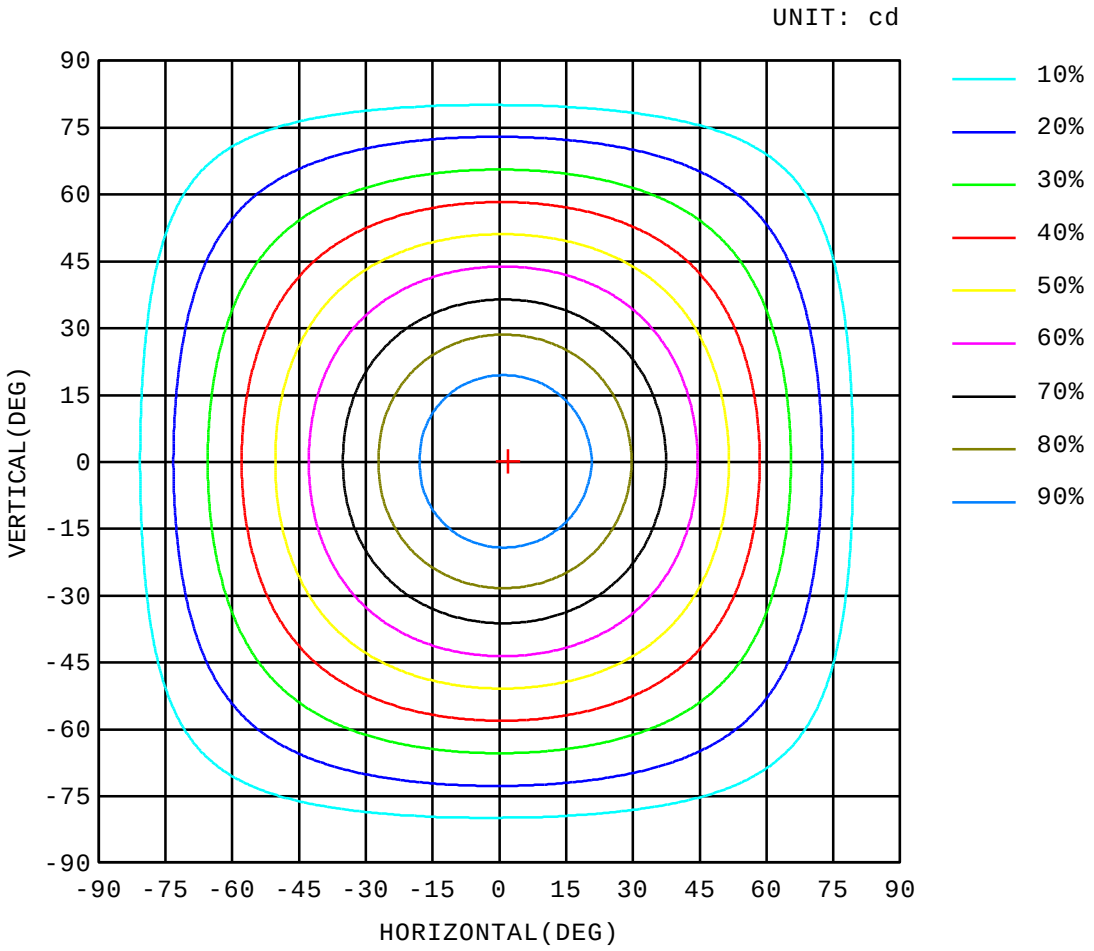
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
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: