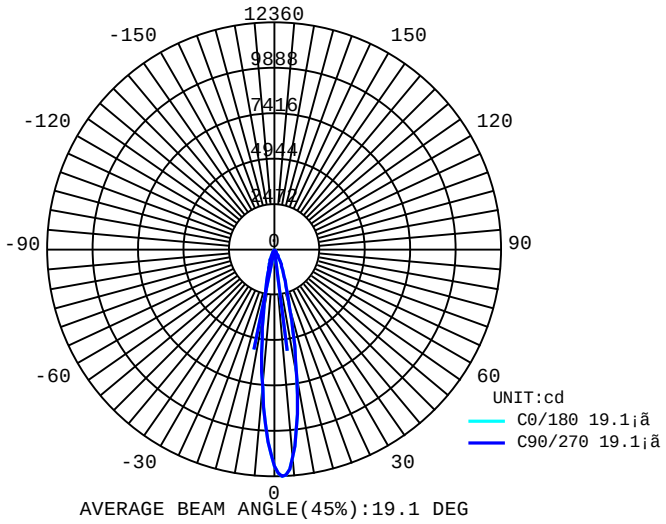
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED downlight — LINJA 10, IP44, dimmable 10x2W, matte white/black, high CRI90, 3000K	SKU: LINJA10-3000	TYPE: LED
SPECIFICATION: LED downlight	NOTES: Single color	MEASURED BY: Lamppukauppa Led Store Oy

DATA OF LAMP		Imax(cd)	12360	S/MH(C0/180)	0.38
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.38
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	1934.0	Voltage(V)	36.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	91.8	Current(A)	0.585
NOMINAL FLUX(lm)	1934.1	η up(%)	0.0	Power(W)	21.05
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	36.0	Effictive Flux(lm)	1483.1	EEI	0.193(A)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):19.1 DEG

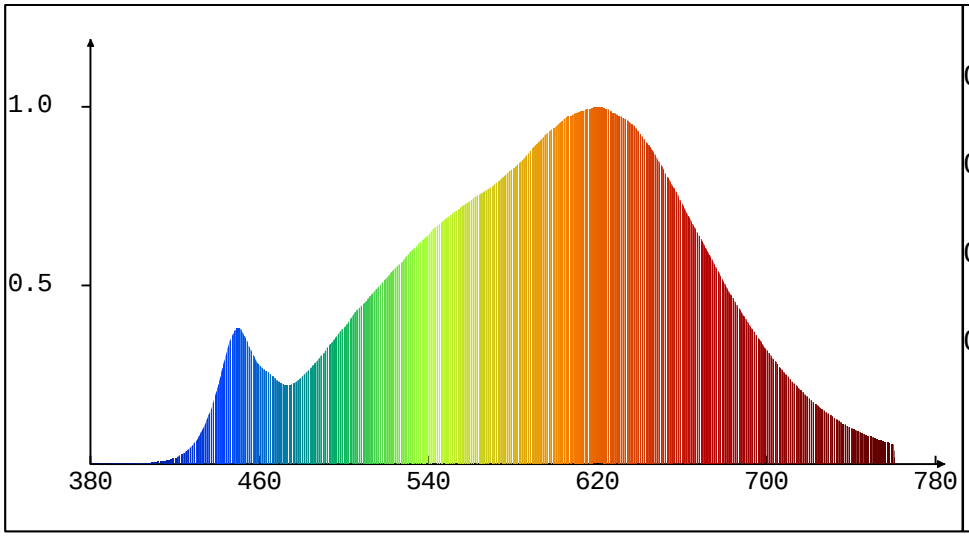
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

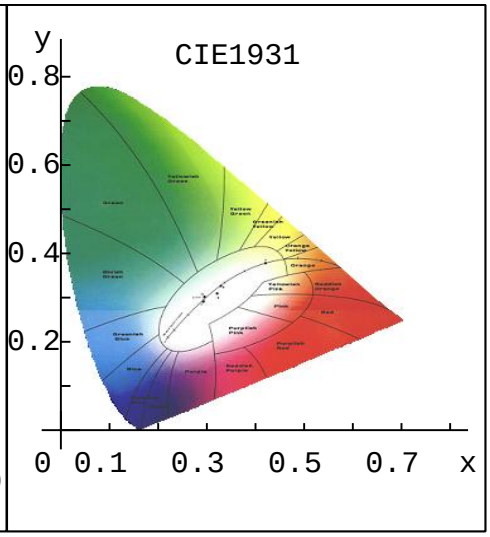
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Spectrum Chart

Report number:

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Avg Chro. Para.

CCT: 3031K Chro. Coor.: xa=0.4426 ya=0.4196 u'a=0.2476 v'a=0.5282 ¦¤u'v'=0.0008

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.4411 y=0.4186 u'=0.2471 v'=0.5276 duv=0.0051

CCT: 3046K Dominant Wave: 581.0nm Purity: 58.1% Light Intensity: 20147.0cd

Flux RGB Ratio: R=49.7%,G=39.0%,B=11.3% Peak Wave: 619.8nm Half Width: 163.9nm

Rendering Index: Ra= 90.1

R1 =89	R2 =93	R3 =96	R4 =91	R5 =89	R6 =91	R7 =93	R8 =79
R9 =50	R10=83	R11=90	R12=76	R13=90	R14=97	R15=85	

Instrument State

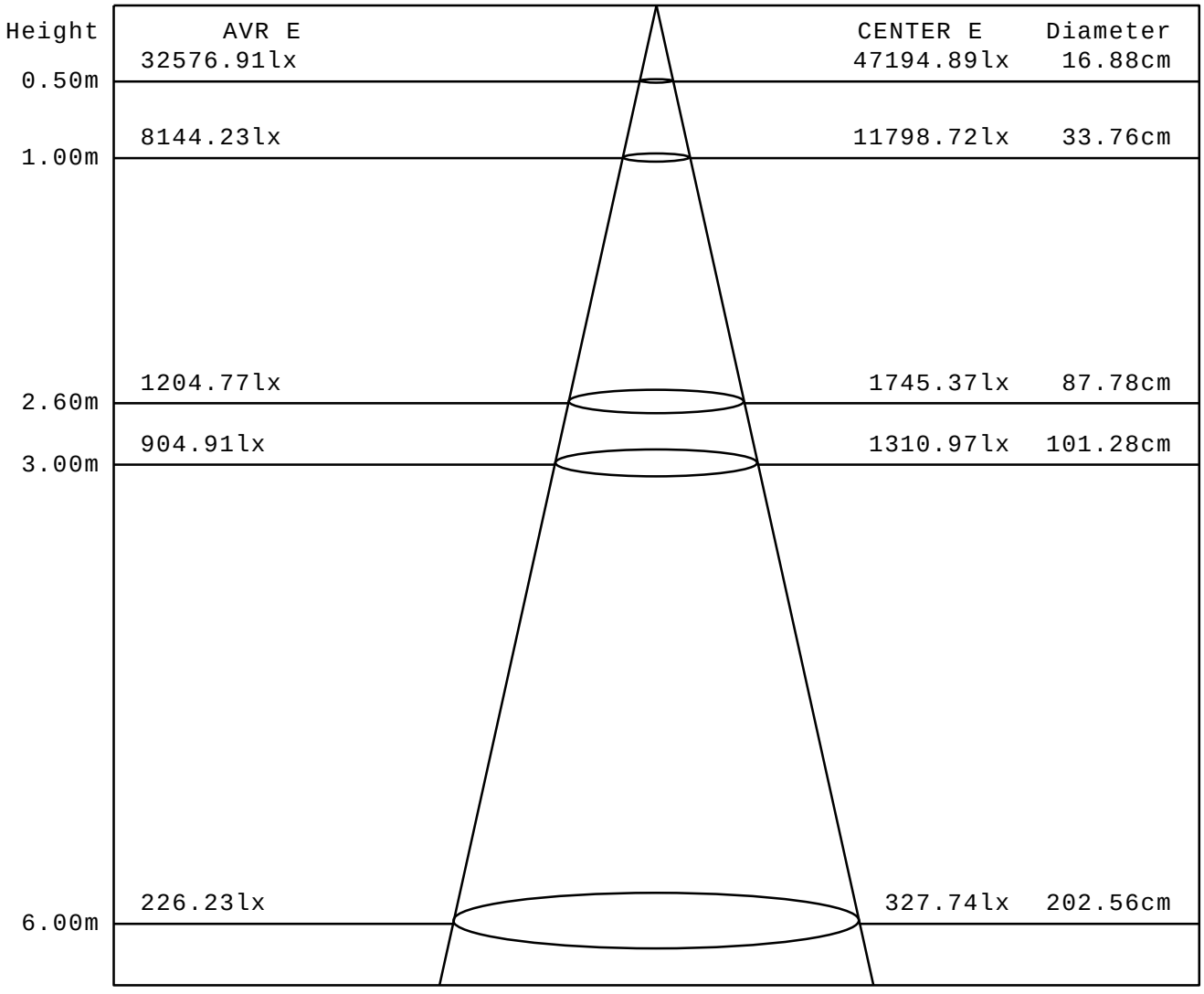
Scan Range: 380nm-780nmIntegral Time: 6.0ms Peak Signal: 6000 Dark Signal: 45978

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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SPECIFICATION: LED downlight	NOTES: Single color	MEASURED BY: Lamppukauppa Led Store Oy



Angle:19.2deg

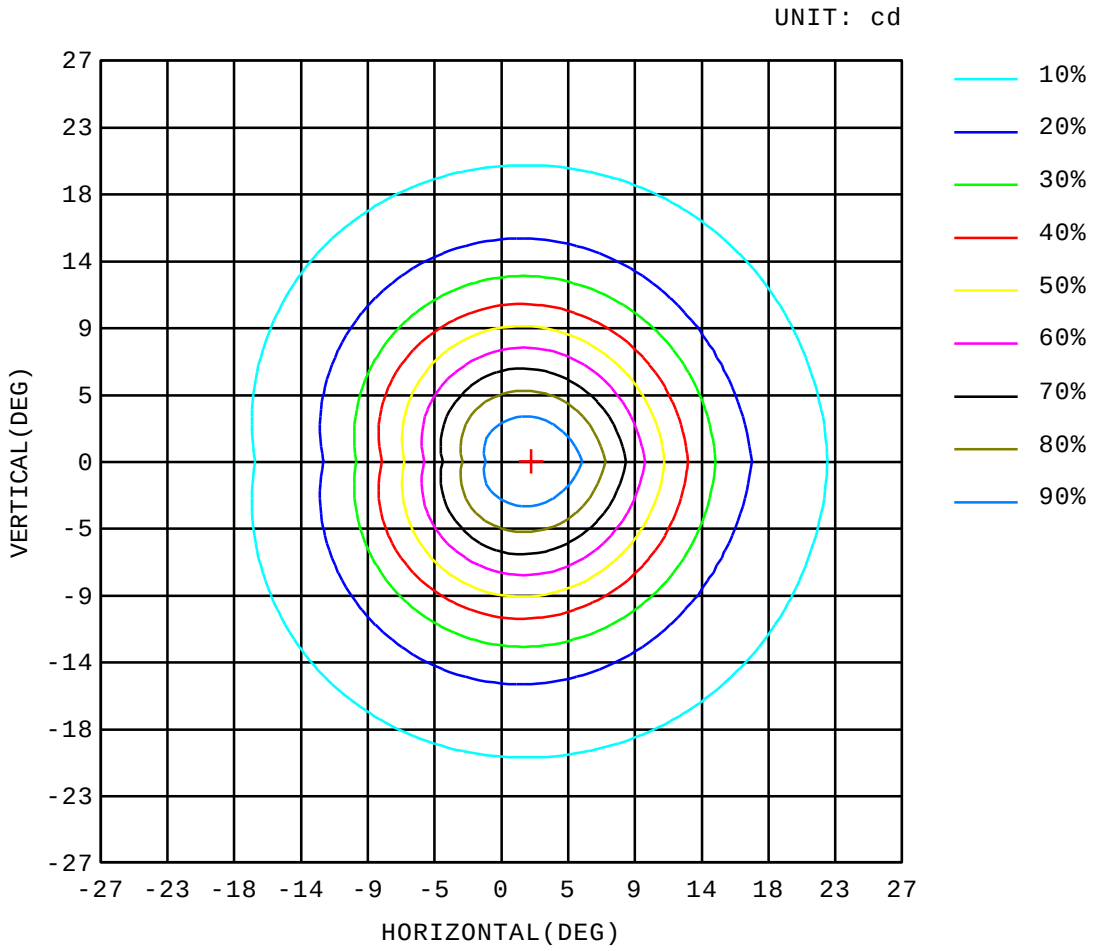
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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: