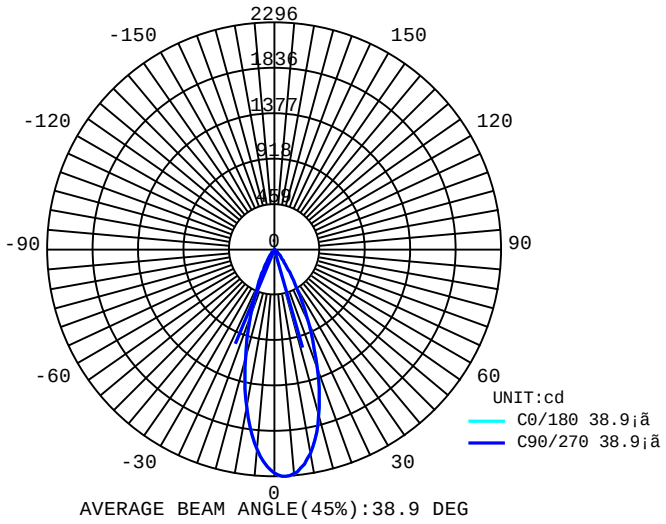
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: MIX series 24V led downlight module - dimmable, adjustable, 9W, CRI94, CCT, IP20	SKU: mix-module-24v-11w-cct	TYPE: LED
SPECIFICATION: LED module, 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)	2296	S/MH(C0/180)	0.68
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.68
NOMINAL POWER(W)	11	TOTAL FLUX(lm)	1036.5	Voltage(V)	24.00
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	116.7	Current(A)	0.370
NOMINAL FLUX(lm)	1036.5	η up(%)	0.0	Power(W)	8.880
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	926.8	EEI	0.123(A+)

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(45%):38.9 DEG

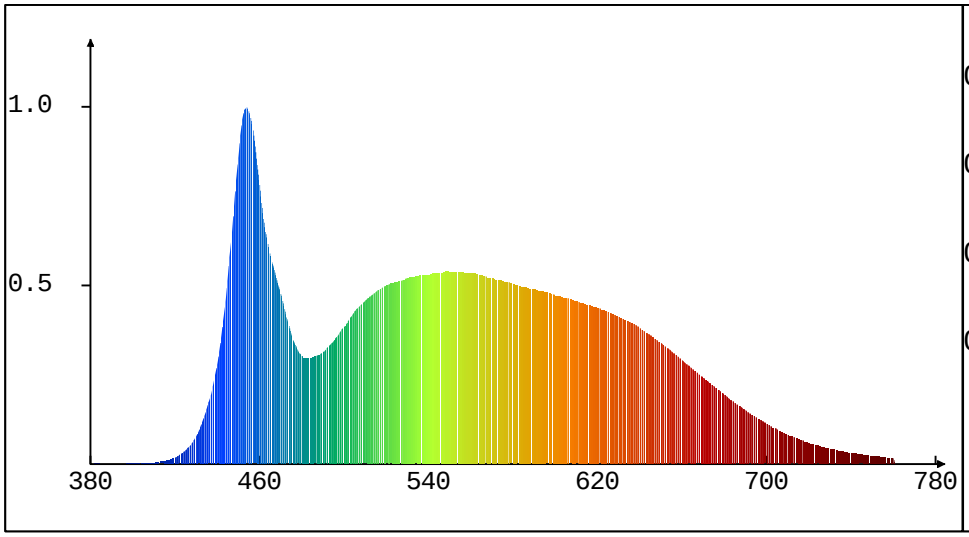
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

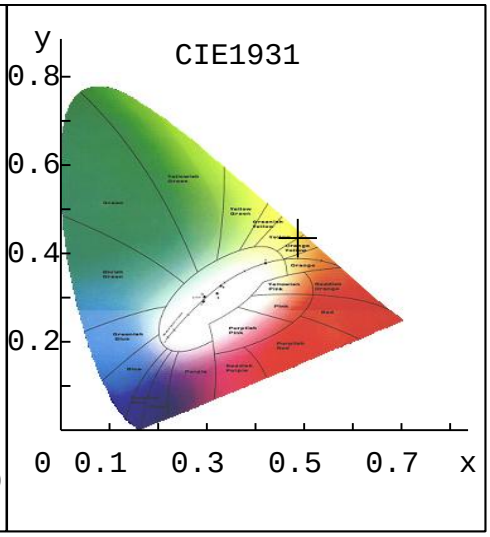
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:1.000 m
Remarks:

Spectrum Chart

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: MIX series 24V led downlight module - dimmable, adjustable, 9W, CRI94, CCT, IP20	SKU: mix-module-24v-11w-cct	TYPE: LED
SPECIFICATION: LED module, measured at the cool end of the color temperature range	NOTES: Color temperature adjustable	MEASURED BY: Lamppukauppa Led Store Oy





Avg Chro. Para.

CCT: 5664K Chro. Coor.: xa=0.3287 ya=0.3479 u'a=0.2017 v'a=0.4804 ¦¤u'v'=0.0010

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.3298 y=0.3495 u'=0.2018 v'=0.4814 duv=0.0055

CCT: 5615K Dominant Wave: 541.9nm Purity: 4.0% Light Intensity: 6306.4cd

Flux RGB Ratio: R=29.8%,G=42.1%,B=28.1% Peak Wave: 452.6nm Half Width: 24.2nm

Rendering Index: Ra= 89.2

R1 =88	R2 =93	R3 =94	R4 =88	R5 =87	R6 =88	R7 =93	R8 =82
R9 =49	R10=81	R11=87	R12=63	R13=90	R14=97	R15=86	

Instrument State

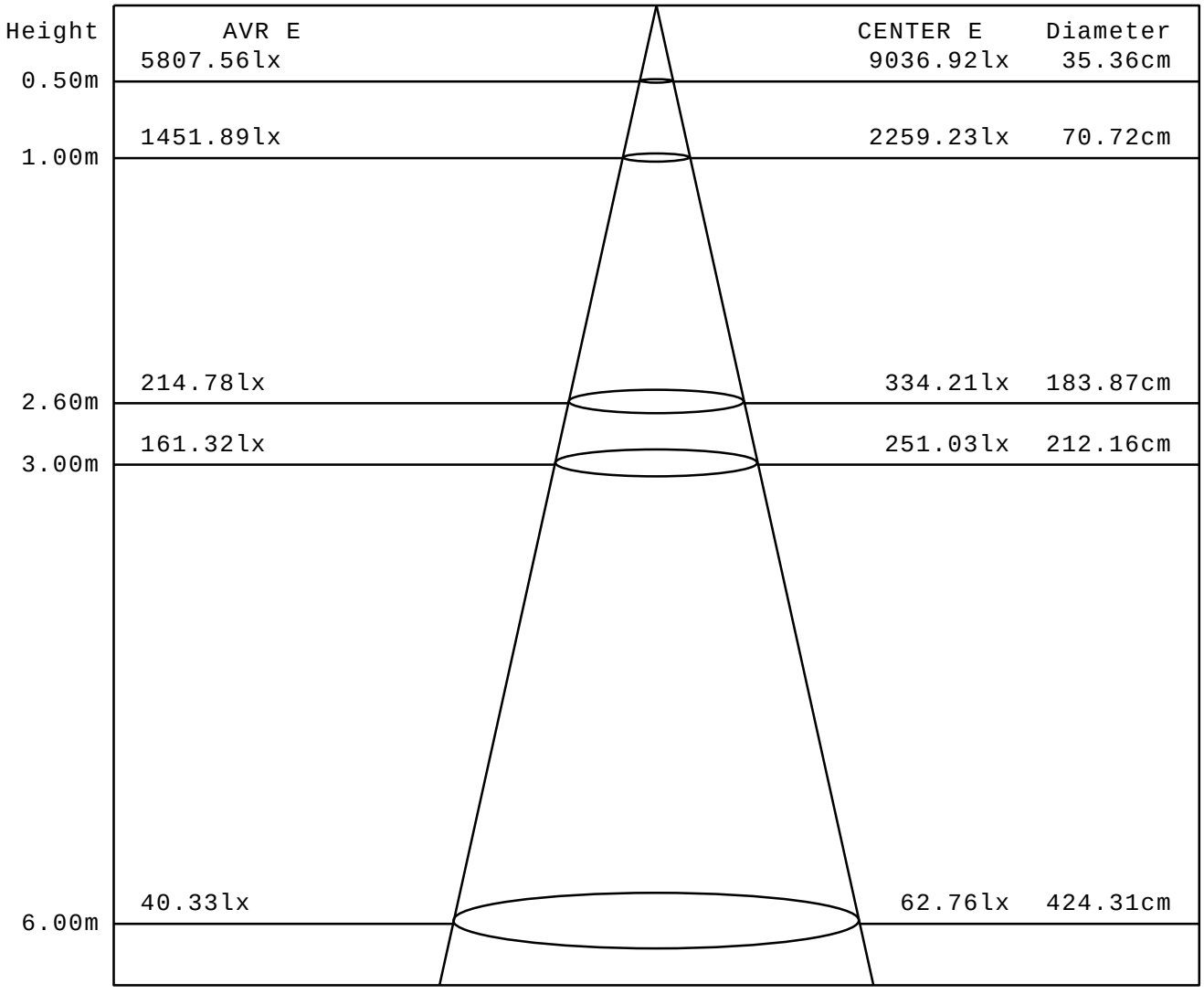
Scan Range: 380nm-780nmIntegral Time: 14.0ms Peak Signal: 14000 Dark Signal: 53255

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: MIX series 24V led downlight module - dimmable, adjustable, 9W, CRI94, CCT, IP20	SKU: mix-module-24v-11w-cct	TYPE: LED
SPECIFICATION: LED module, measured at the cool end of the color temperature range	NOTES: Color temperature adjustable	MEASURED BY: Lamppukauppa Led Store Oy



Angle:38.9deg

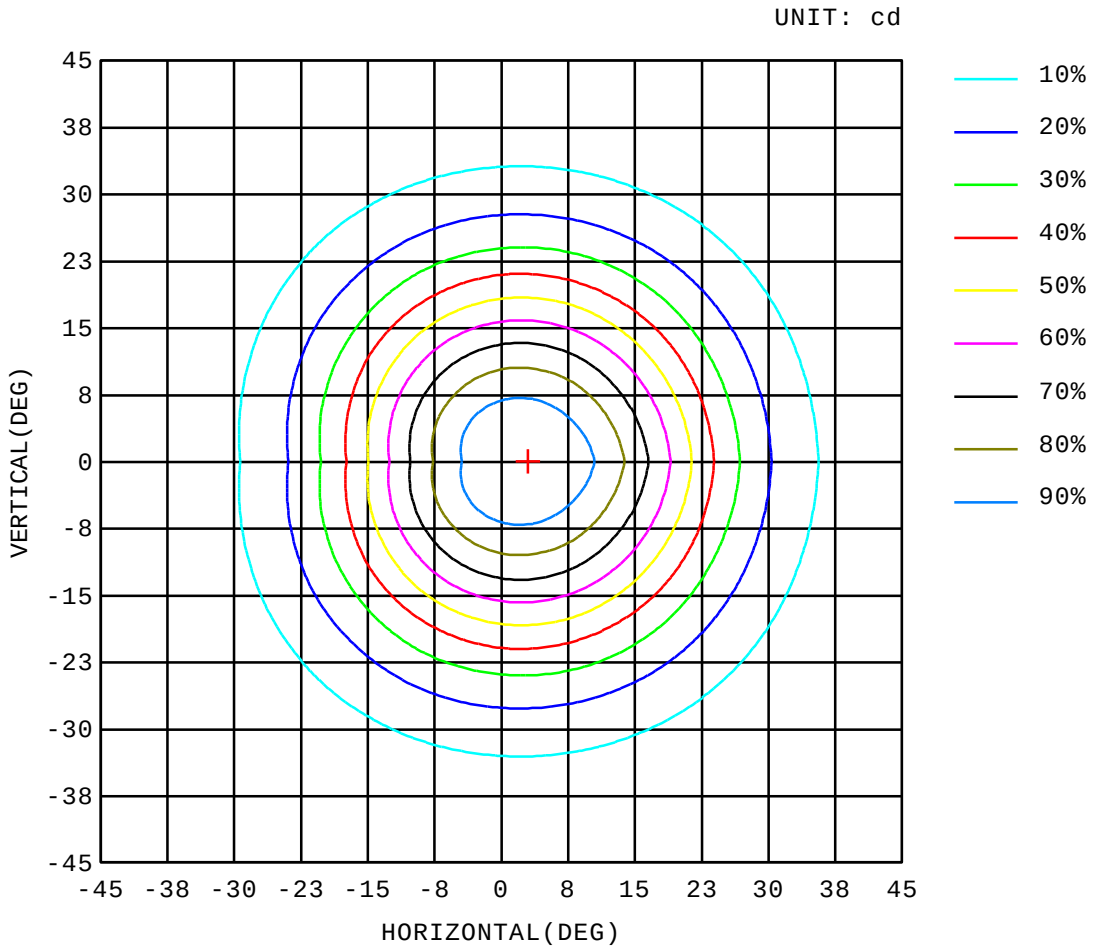
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

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: MIX series 24V led downlight module - dimmable, adjustable, 9W, CRI94, CCT, IP20	SKU: mix-module-24v-11w-cct	TYPE: LED
SPECIFICATION: LED module, measured at the cool end of the color temperature range	NOTES: Color temperature adjustable	MEASURED BY: 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: