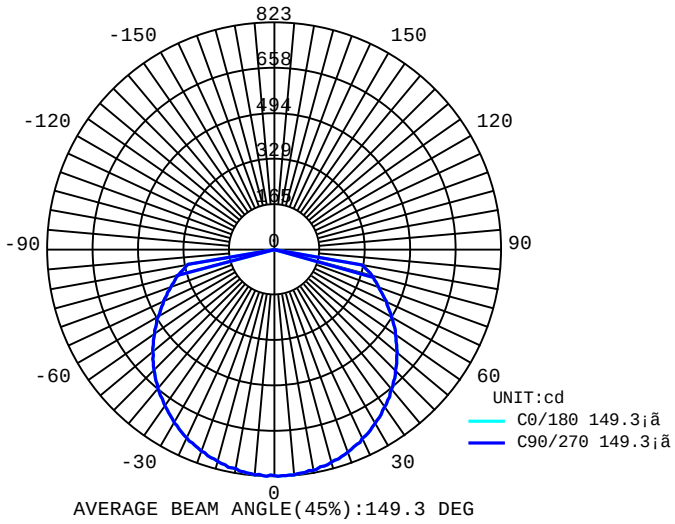
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
ADDRESS: Mesikukantie 16, 01300 VANTAA | www.ledstore.fi		
NAME: LED tube 3 in 1, 12W/15W/18W, T8 120cm, 3000K/3800K/5000K, CRI 97	SKU: T8-1200-3in1	TYPE: LED
SPECIFICATION: T8 LED tube, measured at 18W and 5000K setting	NOTES: Selectable color temperature and wattage	MEASURED BY: Lamppukauppa Led Store Oy

DATA OF LAMP		Imax(cd)	822.9	S/MH(C0/180)	1.33
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.33
NOMINAL POWER(W)	18	TOTAL FLUX(lm)	2886.3	Voltage(V)	230.0
RATED VOLTAGE(V)	220.0	EFFICIENCY(lm/W)	156.9	Current(A)	0.080
NOMINAL FLUX(lm)	2886.4	η up(%)	0.0	Power(W)	18.40
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	230.0	Effictive Flux(lm)	2886.4	EEI	0.087(A++)

LUMINOUS INTENSITY DISTRIBUTION



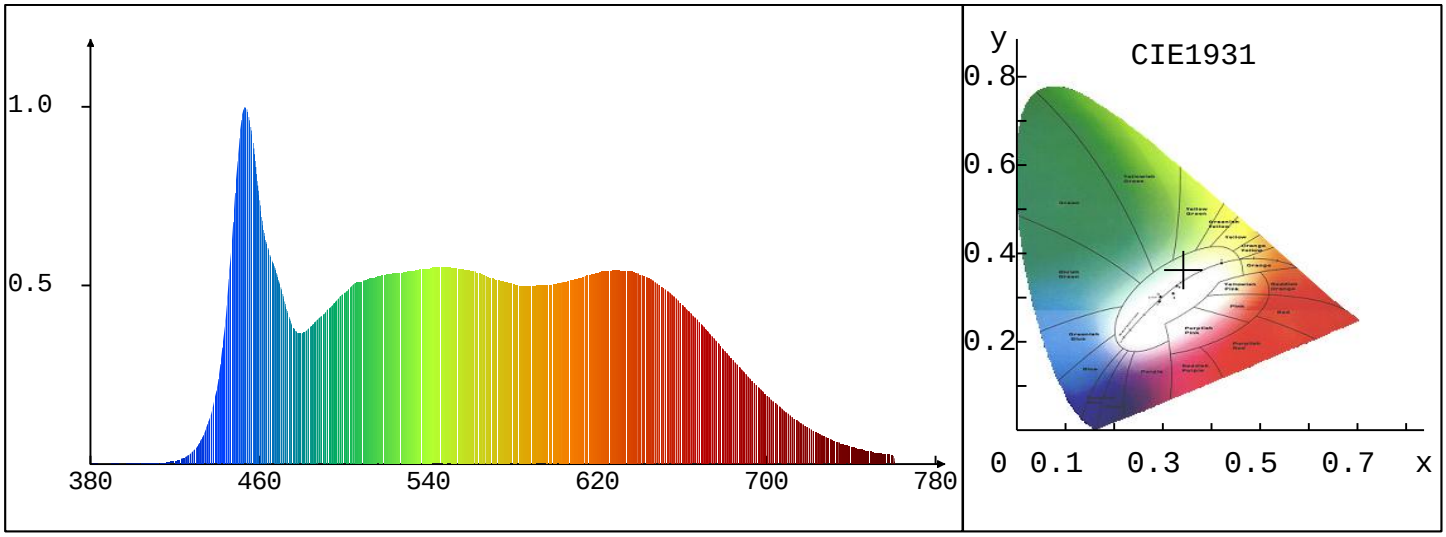
AVERAGE BEAM ANGLE(45%):149.3 DEG

Test System:HopooColor HP880	Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:2.000 m
Test Date:09-20-2024	Remarks:

Spectrum Chart

Report number:

MANUFACTURER: Lamppukauppa Led Store Oy		
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Avg Chro. Para.

CCT: 5136K Chro. Coor.: xa=0.3419 ya=0.3556 u'a=0.2077 v'a=0.4861 ¦¤u'v'=0.0000

Current Angle: C=0.0¡ã G=0.0¡ã

Chroma Parameters

Chro.Coor.: x=0.3419 y=0.3556 u'=0.2077 v'=0.4861 duv=0.0033

CCT: 5136K Dominant Wave: 567.4nm Purity: 9.3% Light Intensity: 878.2cd

Flux RGB Ratio: R=36.3%,G=38.3%,B=25.3% Peak Wave: 452.4nm Half Width: 24.0nm

Rendering Index: Ra= 97.4

R1 =98	R2 =100	R3 =98	R4 =97	R5 =97	R6 =96	R7 =97	R8 =97
R9 =96	R10=98	R11=98	R12=74	R13=99	R14=99	R15=96	

Instrument State

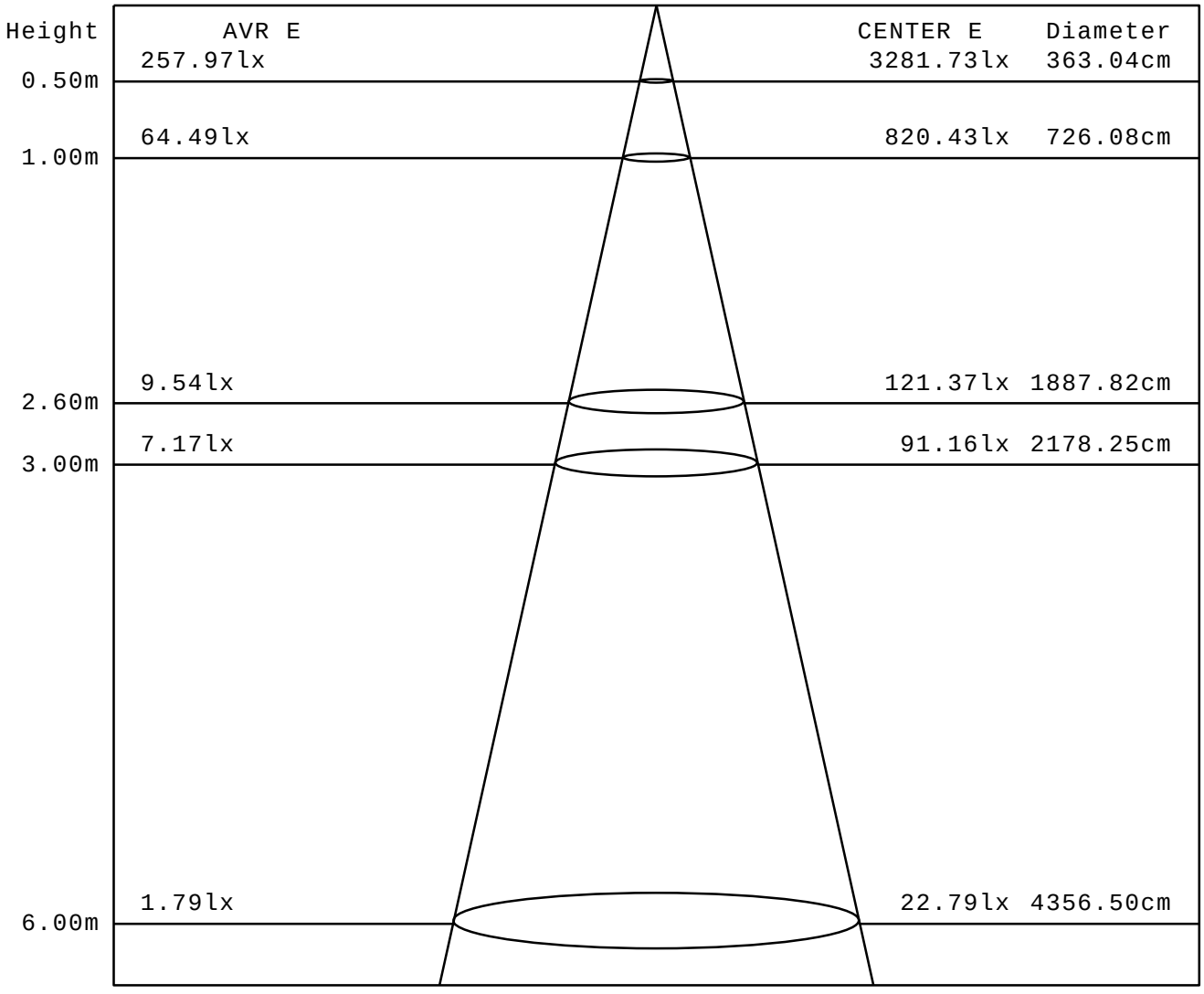
Scan Range: 380nm-780nmIntegral Time: 110.0ms Peak Signal: 110000 Dark Signal: 55038

Test System:HopooColor HP880 Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:2.000 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 tube 3 in 1, 12W/15W/18W, T8 120cm, 3000K/3800K/5000K, CRI 97	SKU: T8-1200-3in1	TYPE: LED
SPECIFICATION: T8 LED tube, measured at 18W and 5000K setting	NOTES: Selectable color temperature and wattage	MEASURED BY: Lamppukauppa Led Store Oy



Angle:149.2deg

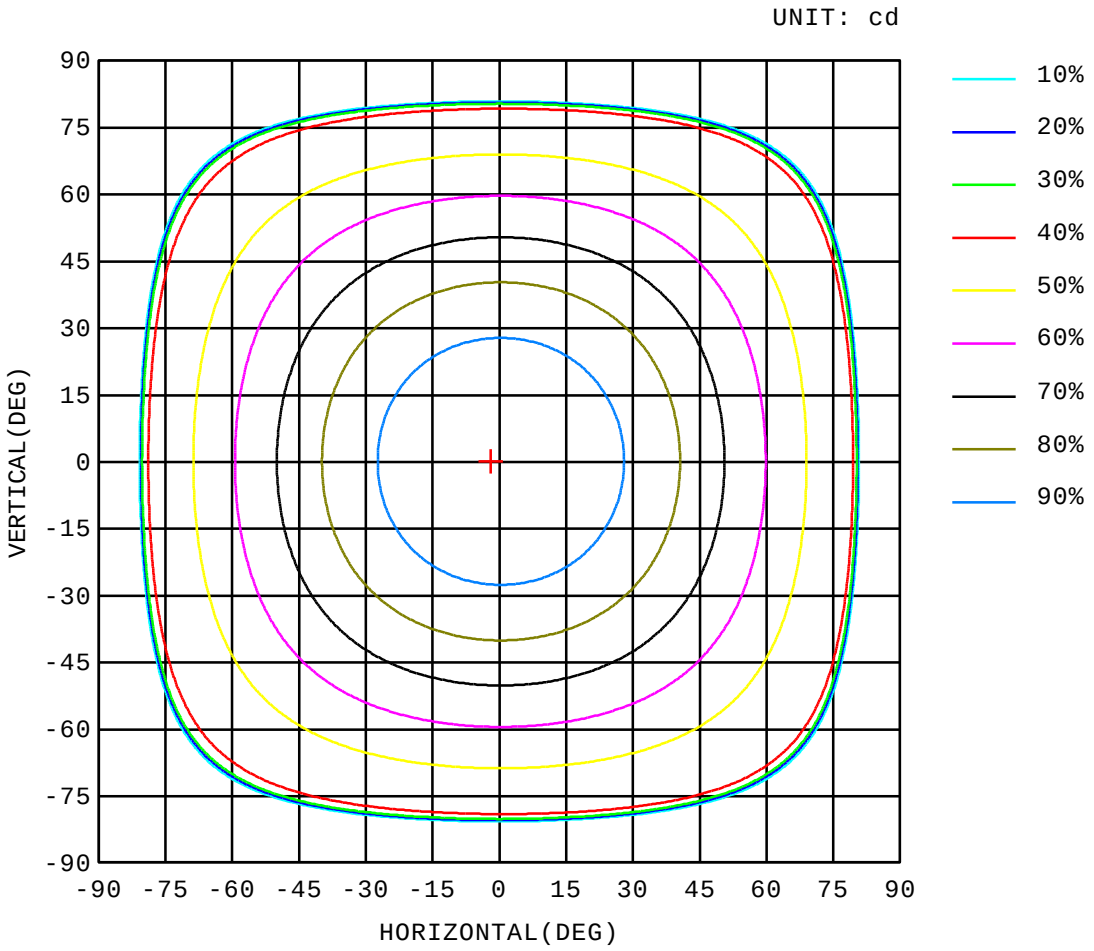
Test System:HopooColor HP880
Temperature:25.3DEG
Operators:
Test Date:09-20-2024

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:2.000 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:2.000 m
Remarks: