

Report No.: 32.05525 FOS Tracklight

Test Time: 2023-09-19 16:04

## Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 218.0 V

Current: 0.138 A

Power: 16.00 W

Power Factor: 0.529

## Photometric Results

CIE Class: Direct

Measurement Flux: 1753.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.5

Vertical Diffuse Angle(50%): V20.5

Luminaire Efficacy Rating (LER): 110

Max. Intensity: 10201.12 cd

Total Rated Lamp Lumens: 1753.6 lm

Efficiency: 100%

Upward Ratio: 0%

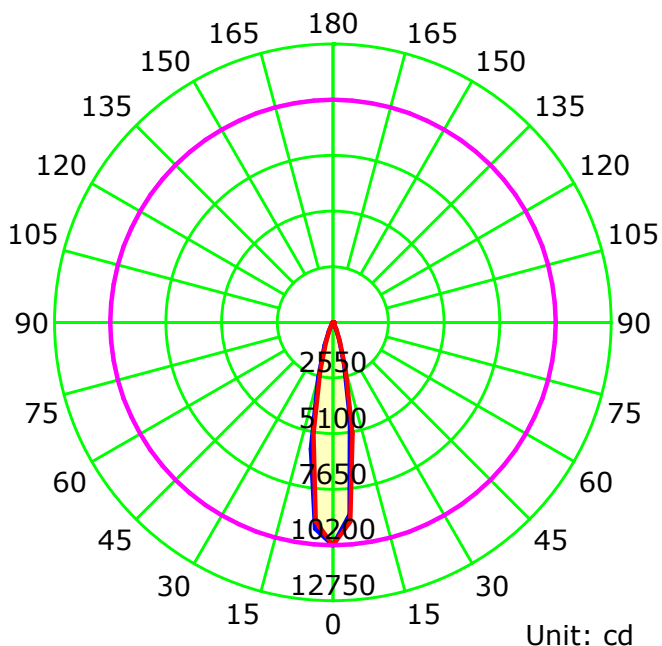
Central Intensity: 10201.11 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

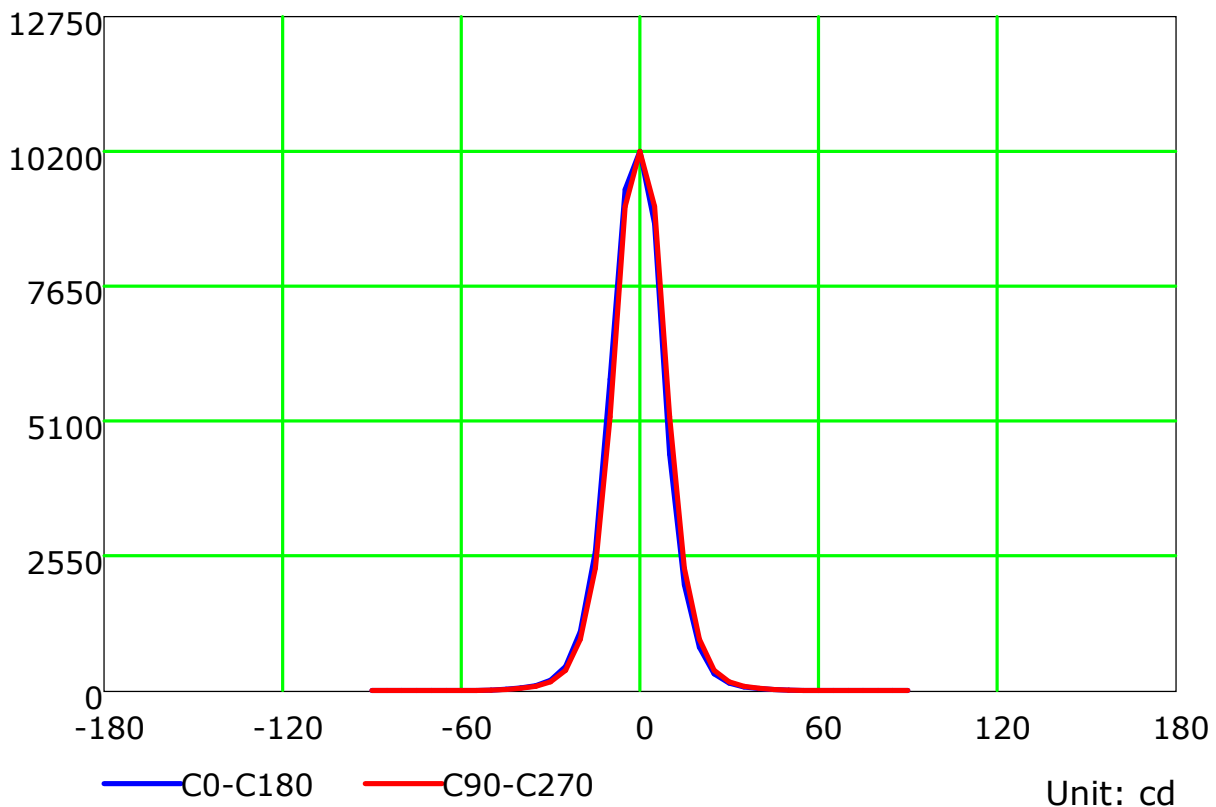
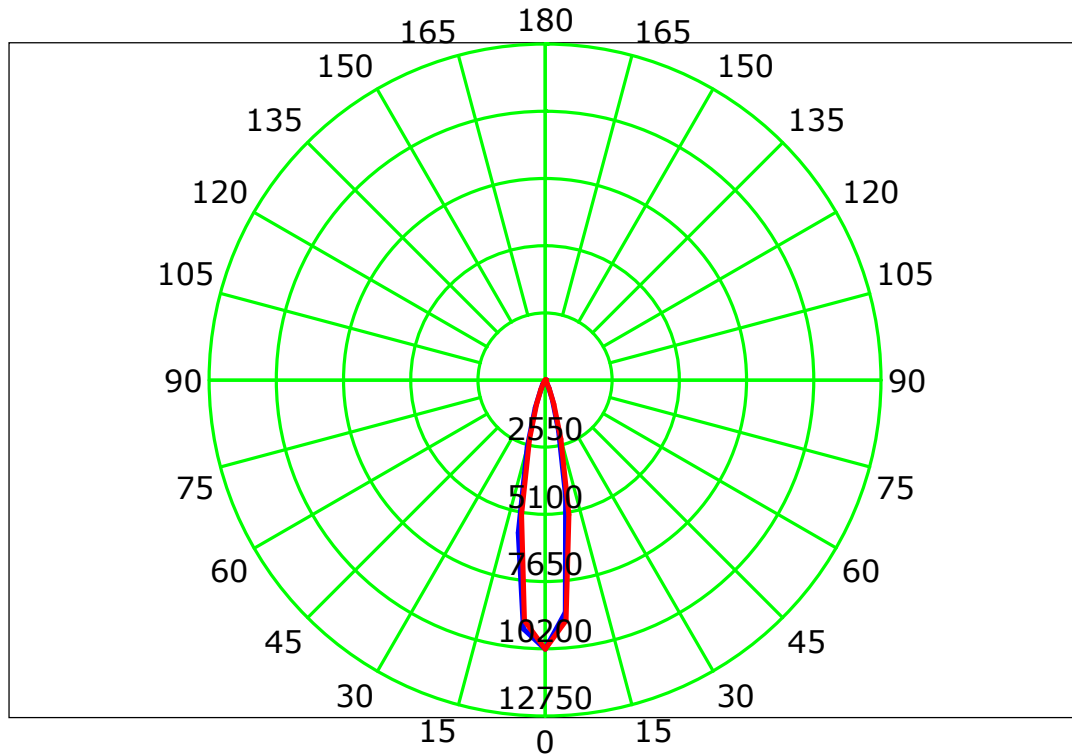
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

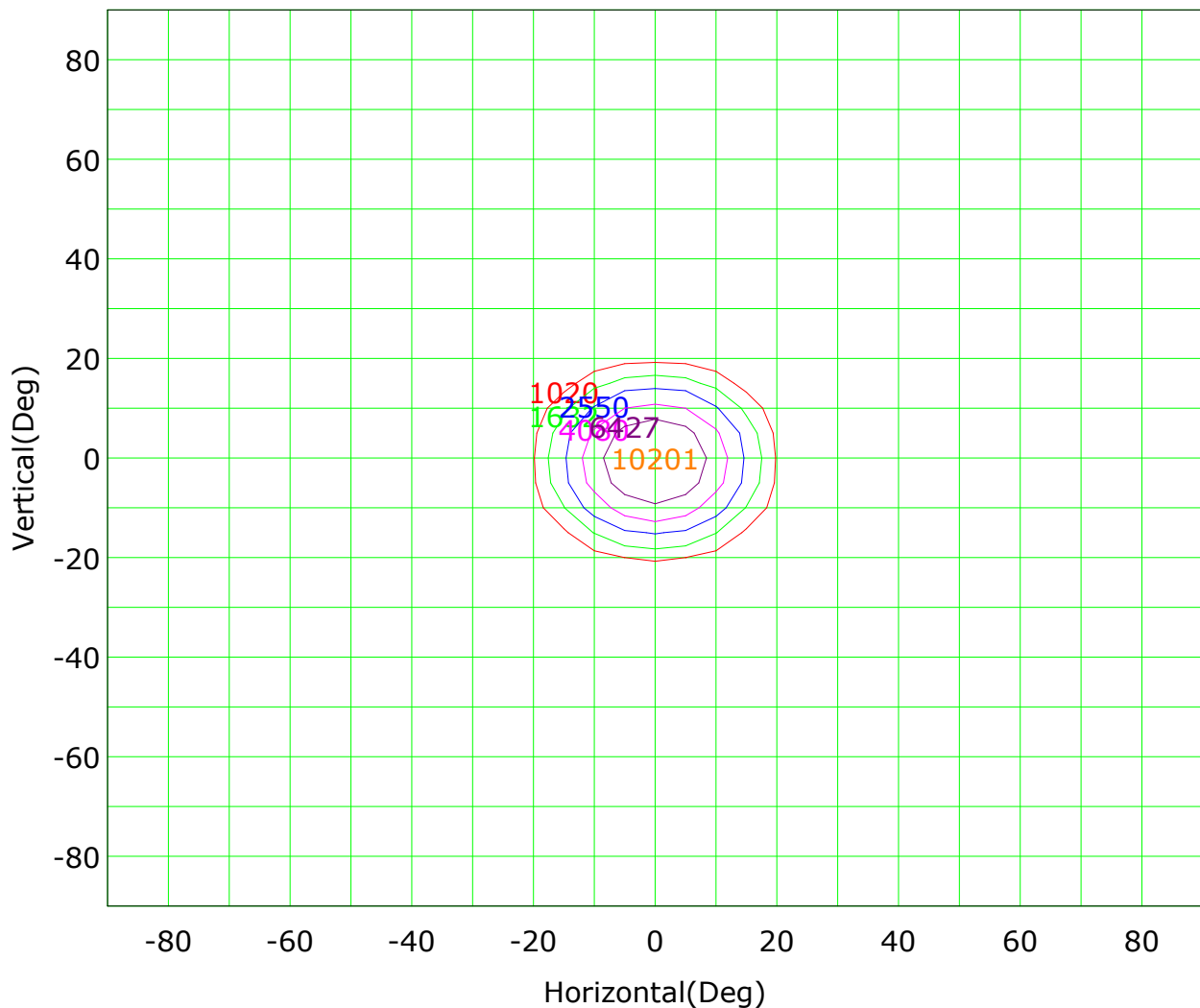
## Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 10201 cd

( 10%): 1020 cd	( 16%): 1632 cd
( 25%): 2550 cd	( 40%): 4080 cd
( 63%): 6427 cd	(100%): 10201 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

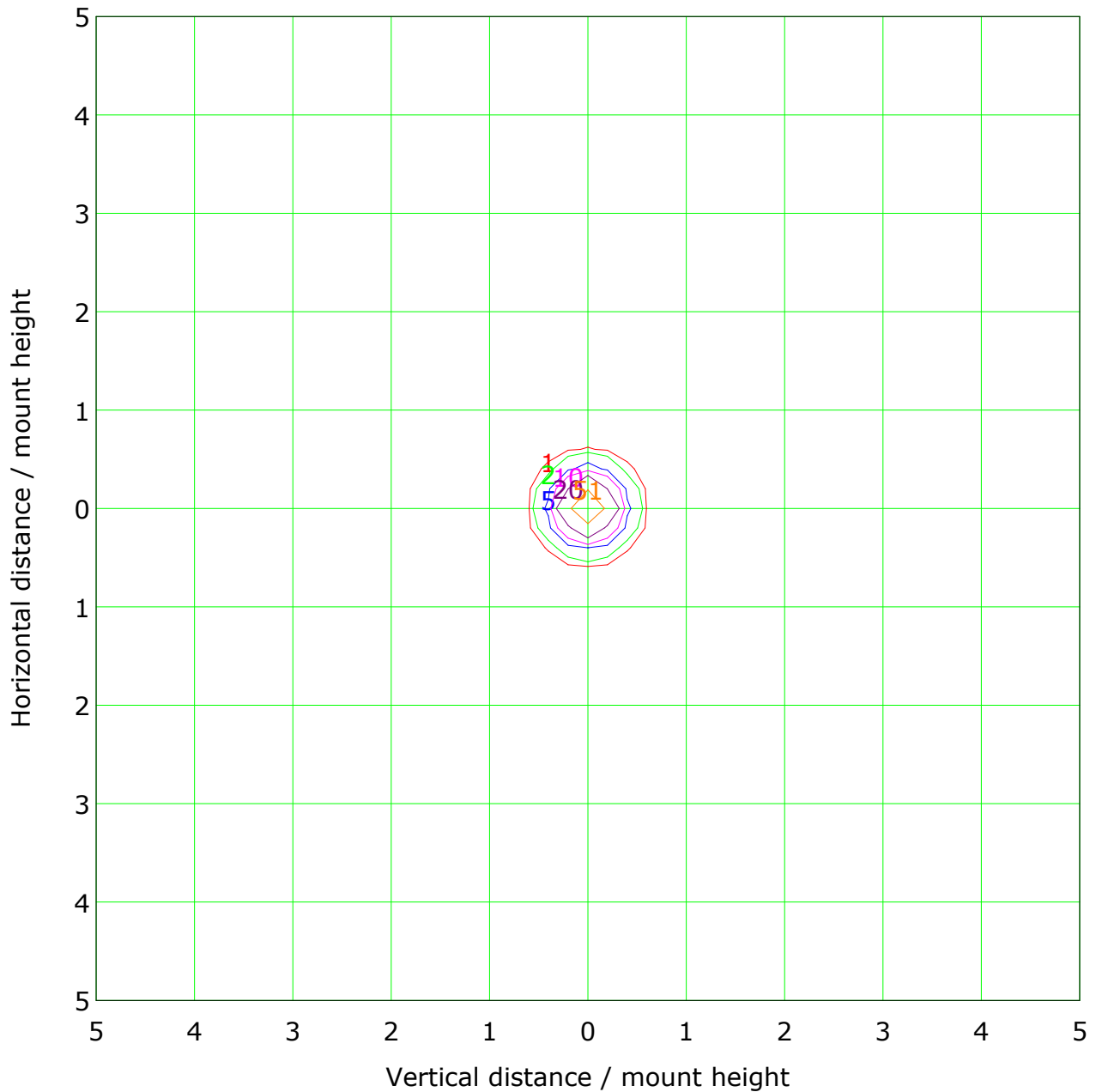
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 102 lx	
— ( 1%):	1 lx	— ( 2%):	2 lx
— ( 5%):	5 lx	— ( 10%):	10 lx
— ( 20%):	20 lx	— ( 50%):	51 lx
— (100%):	102 lx		

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

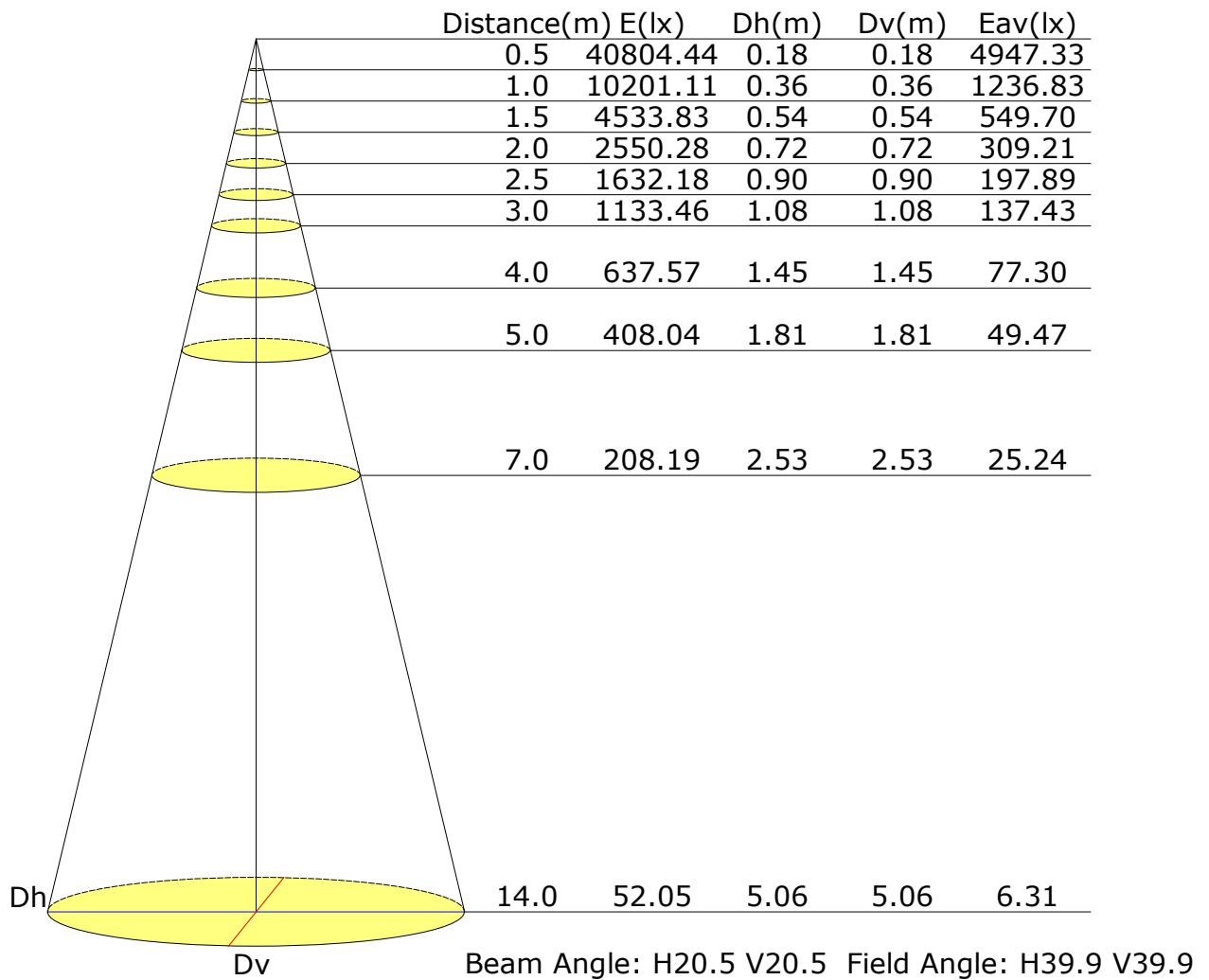
Test Device: CHL-6E

Distance: 3.000 m

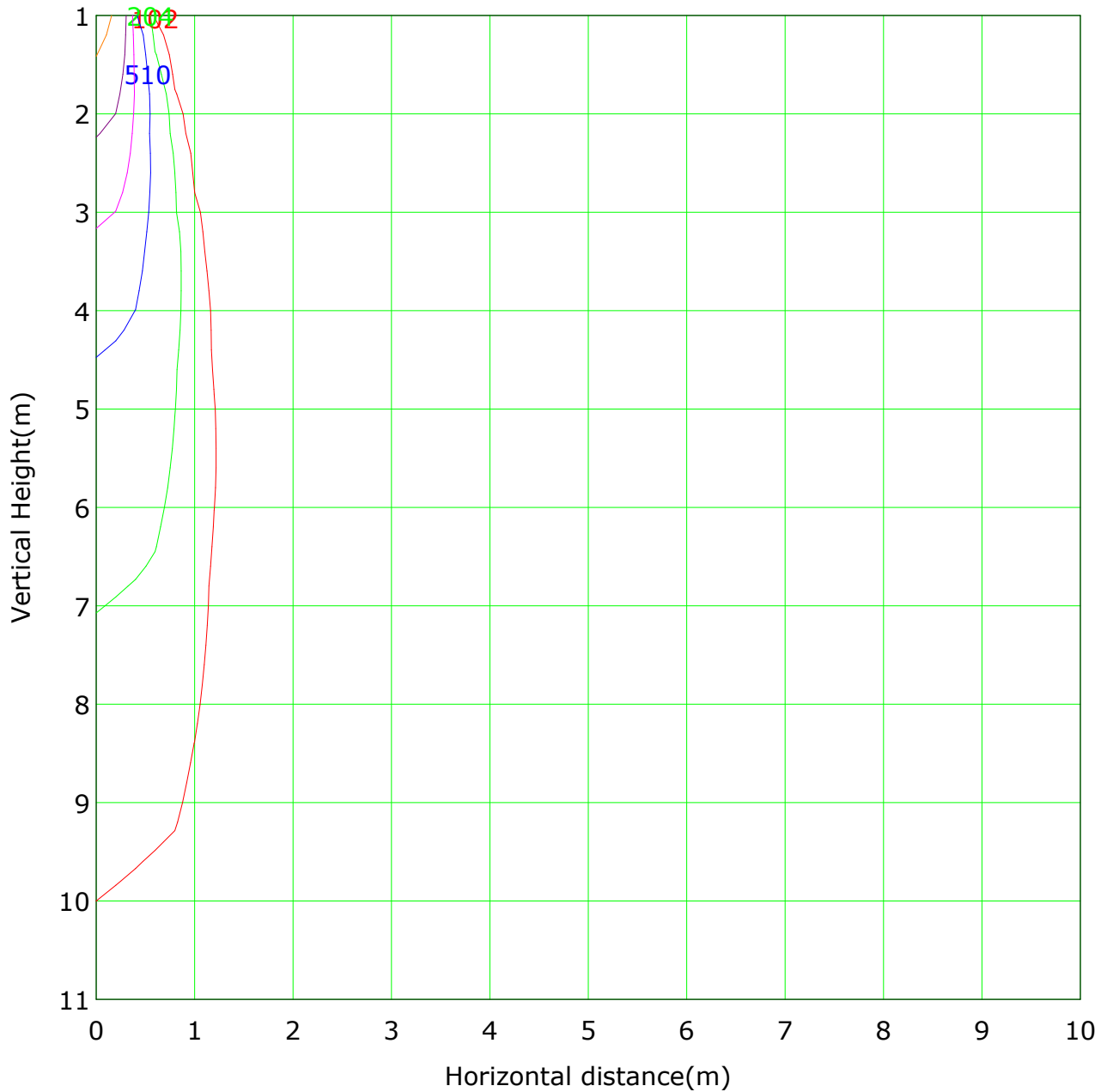
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

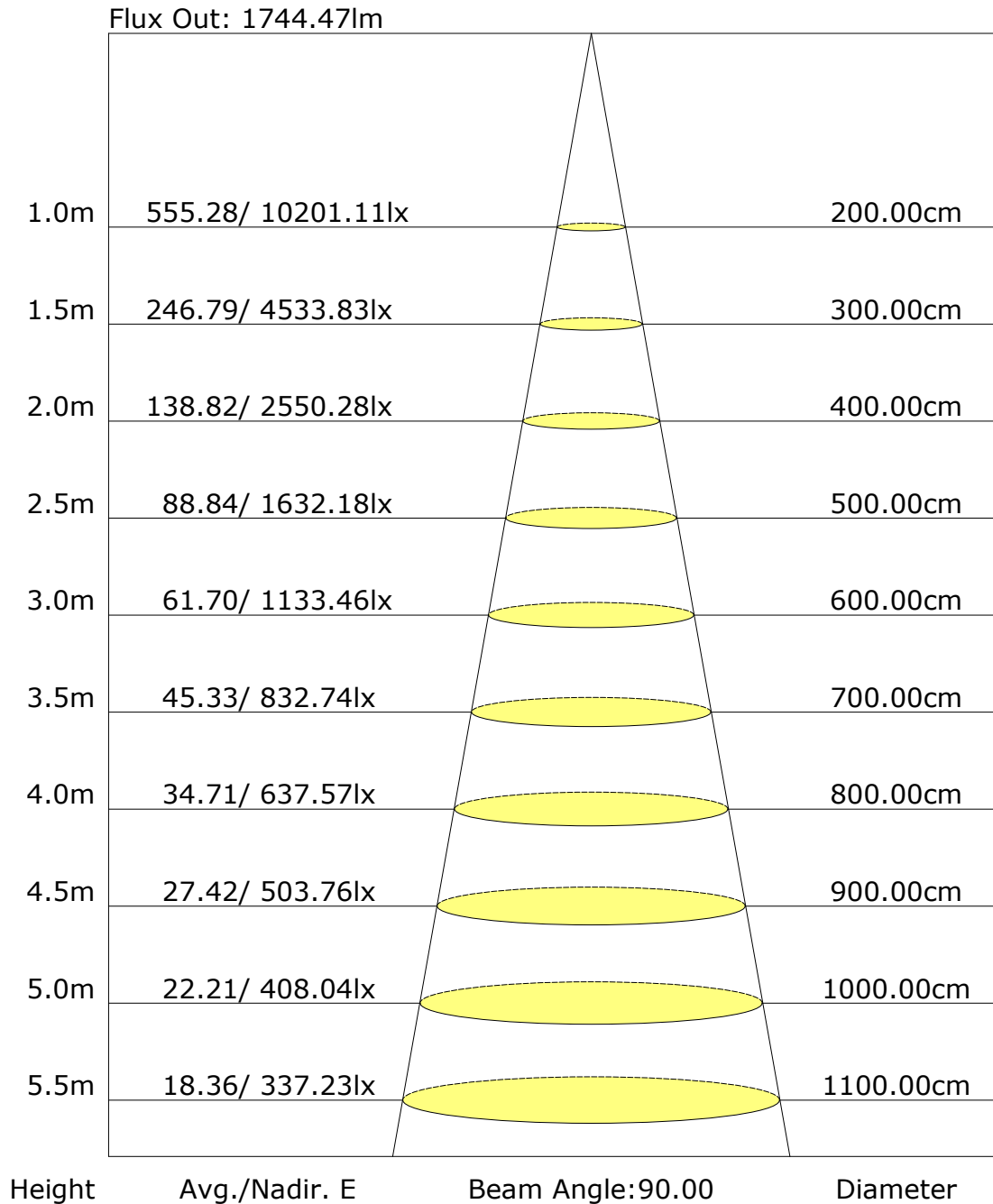


Lowest(m): 1m    Highest(m): 11    Max Lux: 10201  
— ( 1%): 102 lx    — ( 2%): 204 lx  
— ( 5%): 510 lx    — ( 10%): 1020 lx  
— ( 20%): 2040 lx    — ( 50%): 5101 lx  
— (100%): 10201 lx

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

## The average illuminance effective figure



C Plane (°): 0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°): 0.0-90.0: 5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:



## Unit: cd

Gamma Plane (°):0.0-90.0:5.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector: