

Report No.: 32.06523 FOS Tracklight

Test Time: 2023-09-19 17:36

## Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 226.0 V

Current: 0.110 A

Power: 24.20 W

Power Factor: 0.972

## Photometric Results

CIE Class: Direct

Measurement Flux: 2611.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H27.3

Vertical Diffuse Angle(50%): V27.3

Luminaire Efficacy Rating (LER): 108

Max. Intensity: 11170.58 cd

Total Rated Lamp Lumens: 2611.2 lm

Efficiency: 100%

Upward Ratio: 0%

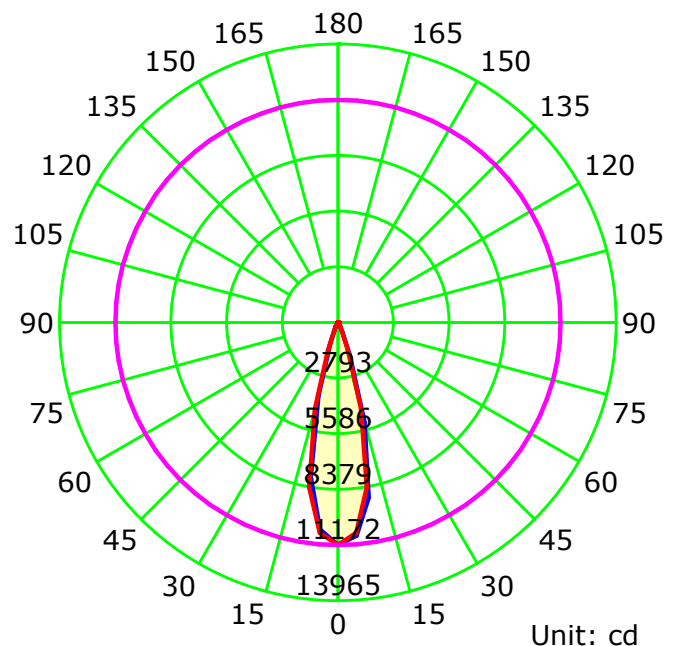
Central Intensity: 11170.57 cd

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

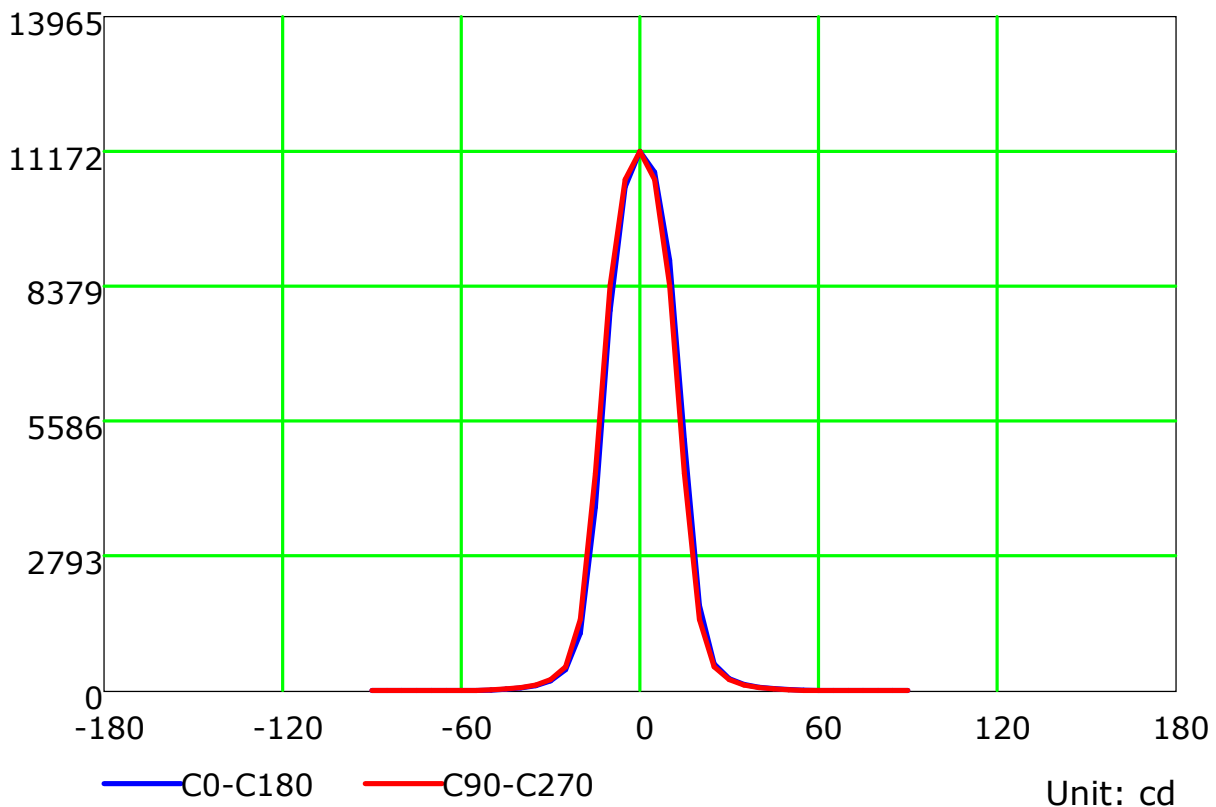
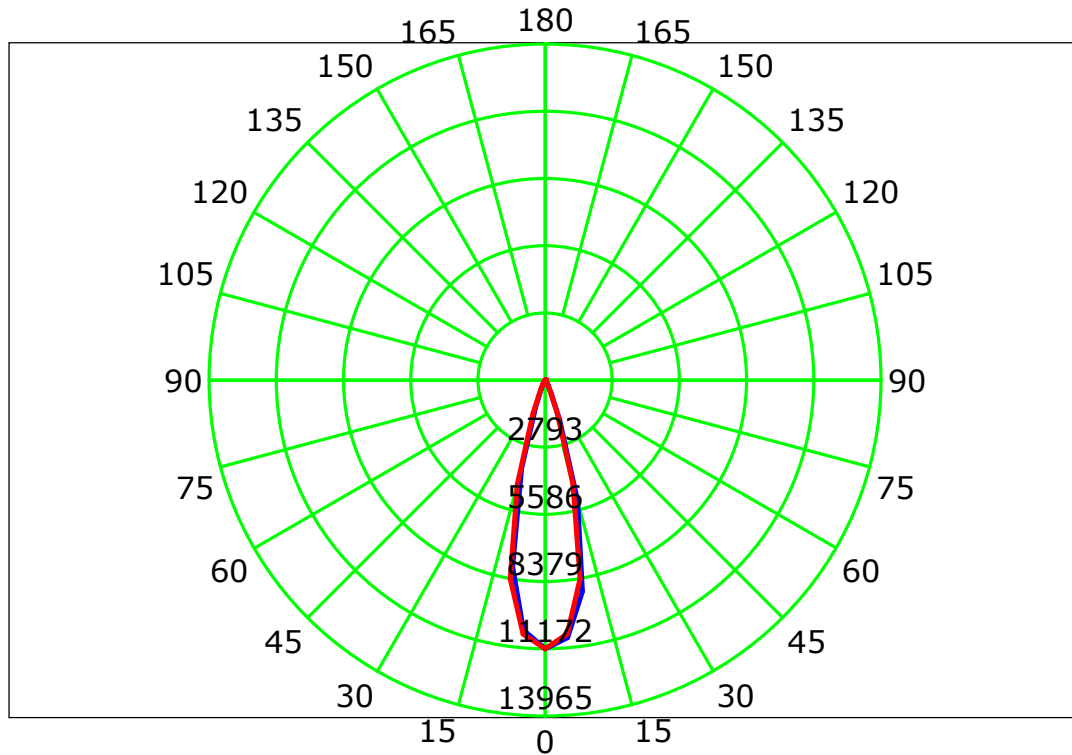
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

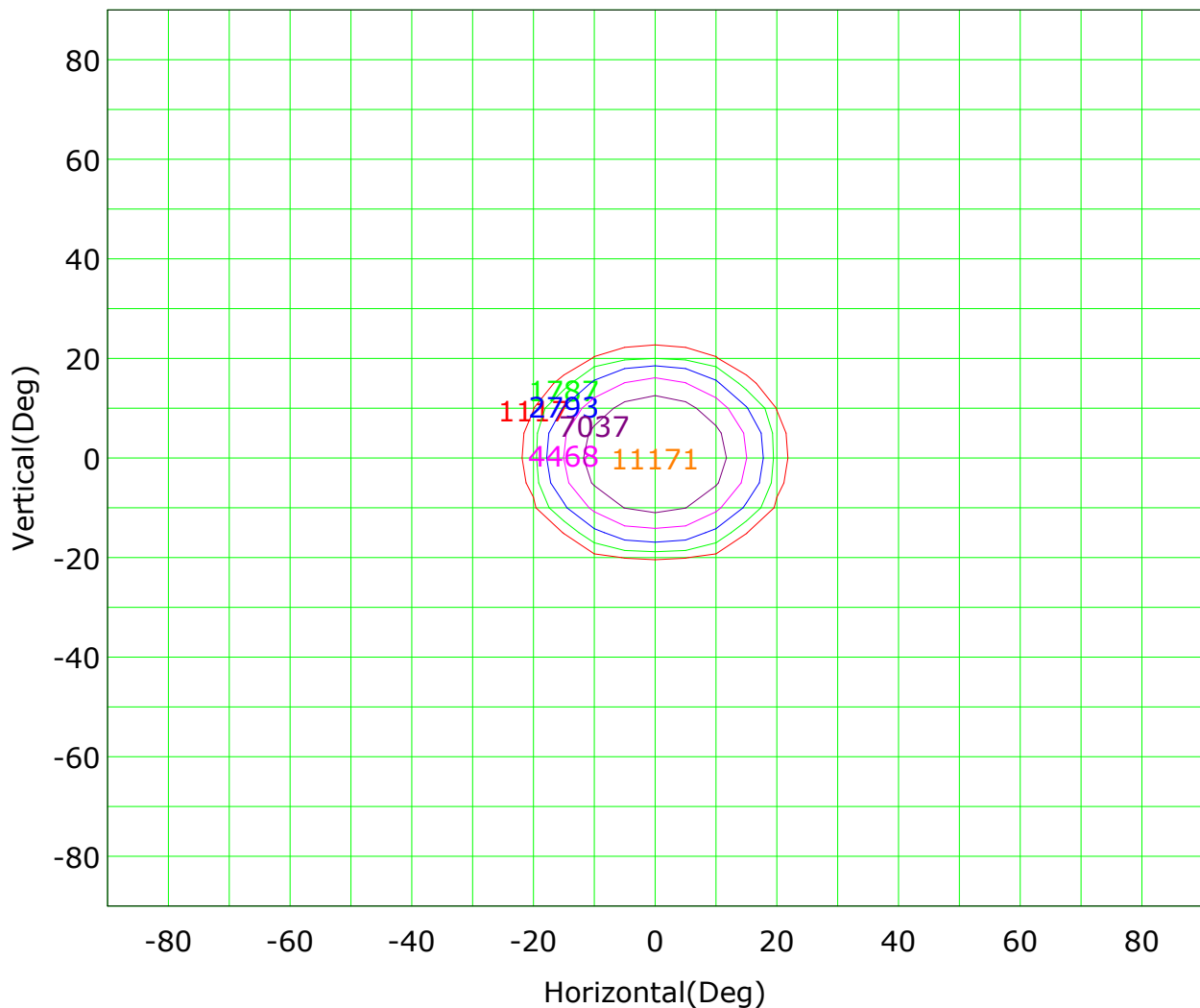
## Luminous Intensity Distribution Curve



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%): 11171 cd

( 10%): 1117 cd	( 16%): 1787 cd
( 25%): 2793 cd	( 40%): 4468 cd
( 63%): 7037 cd	(100%): 11171 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

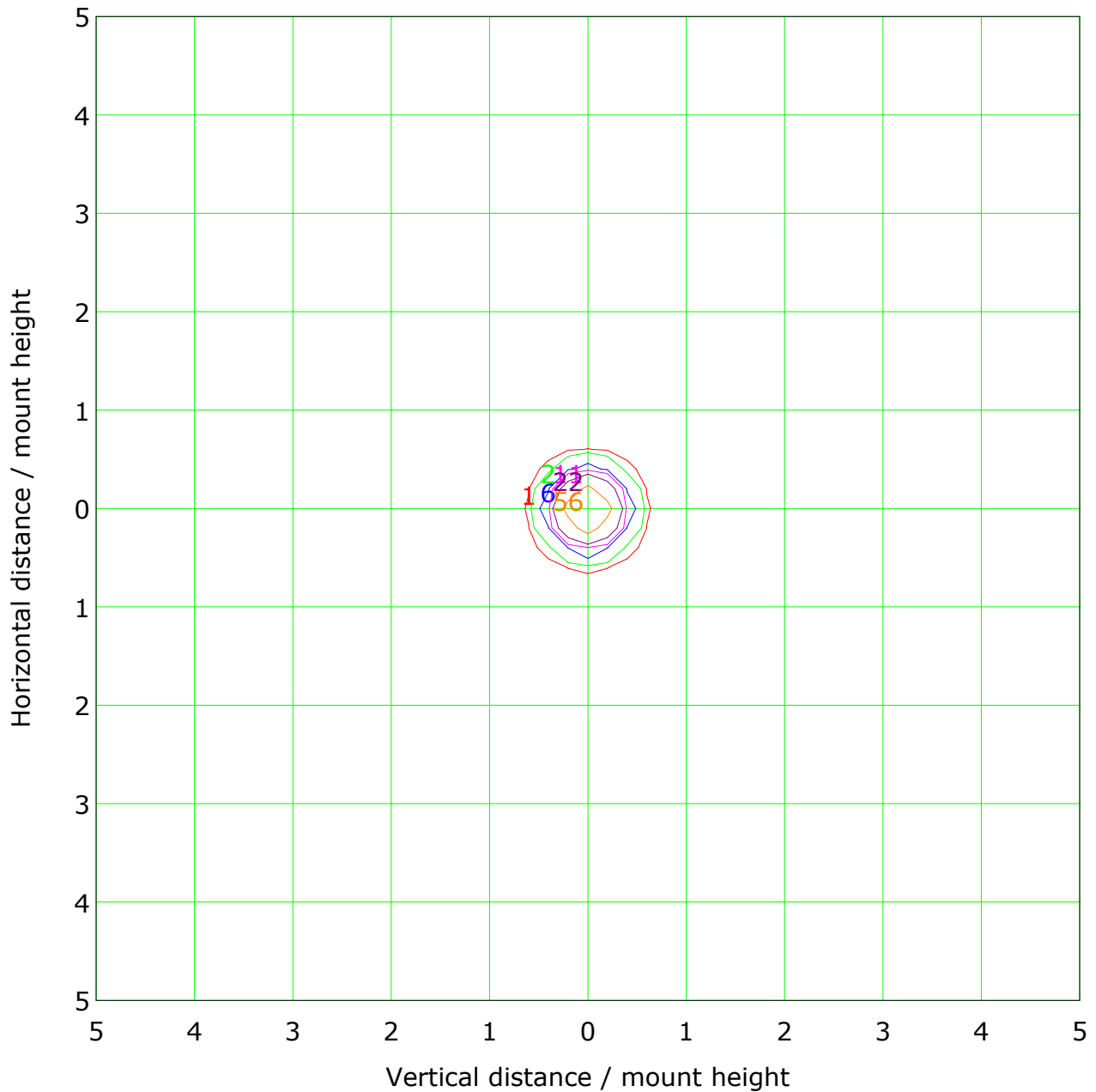
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 112 lx	
( 1%):	1 lx	( 2%):	2 lx
( 5%):	6 lx	( 10%):	11 lx
( 20%):	22 lx	( 50%):	56 lx
(100%):	112 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

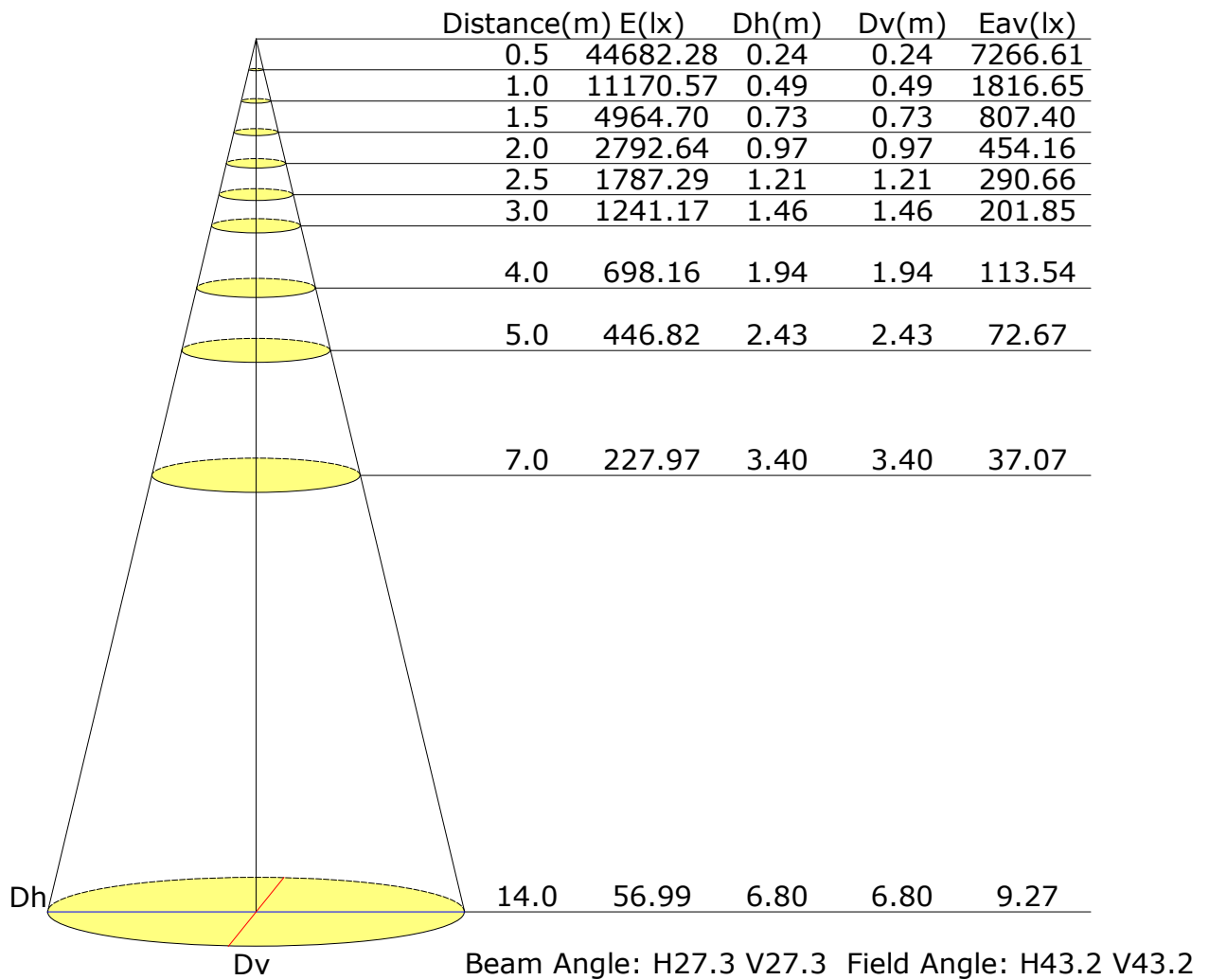
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

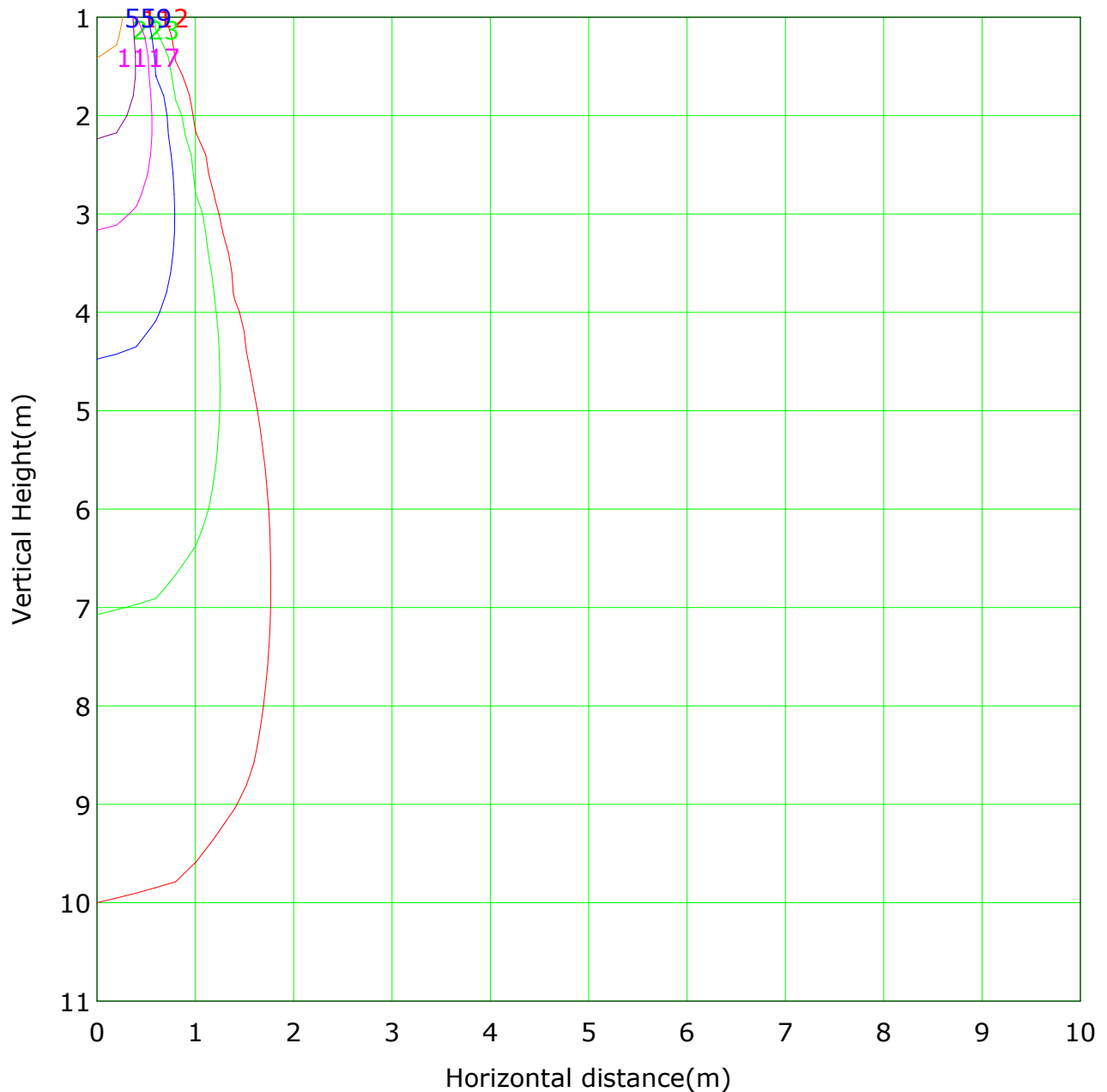
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Vertical IsoLux Plot

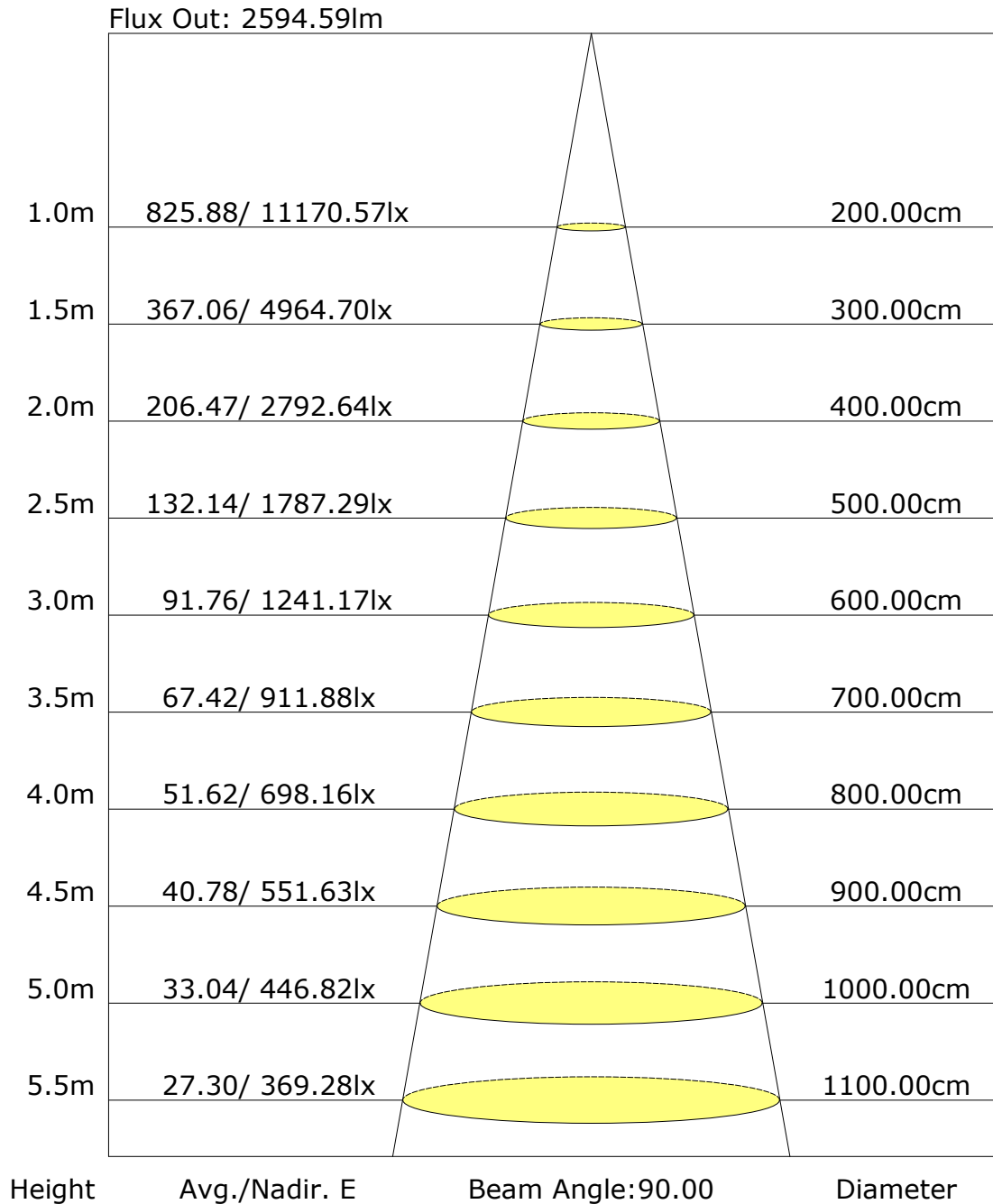


Lowest(m): 1m    Highest(m): 11    Max Lux: 11171  
— ( 1%): 112 lx                      — ( 2%): 223 lx  
— ( 5%): 559 lx                        — ( 10%): 1117 lx  
— ( 20%): 2234 lx                    — ( 50%): 5585 lx  
— (100%): 11171 lx

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: