

Report No.: 32.07315 EMMA Tracklight

Test Time: 2023-09-13 16:04

## Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 219.1 V

Current: 0.114 A

Power: 24.50 W

Power Factor: 0.977

## Photometric Results

CIE Class: Direct

Measurement Flux: 2839.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H14.2

Vertical Diffuse Angle(50%): V14.2

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 34651.86 cd

Total Rated Lamp Lumens: 2839.2 lm

Efficiency: 100%

Upward Ratio: 0%

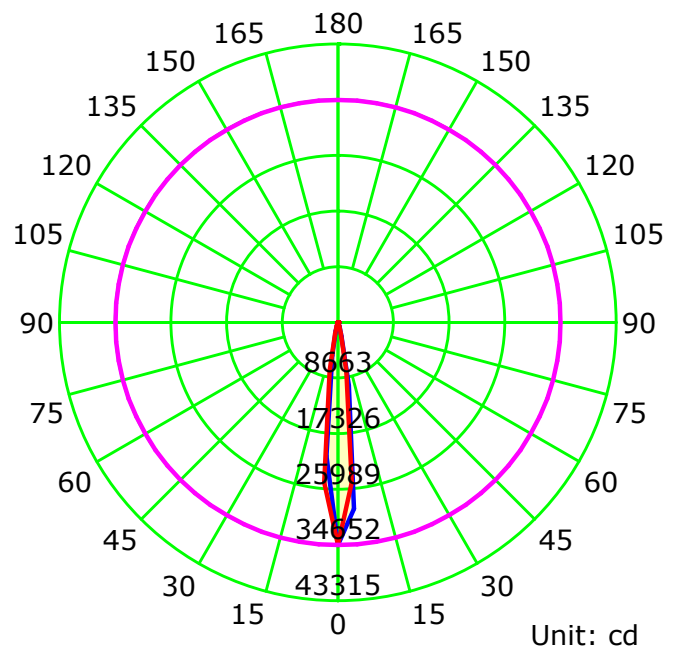
Central Intensity: 34651.86 cd

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

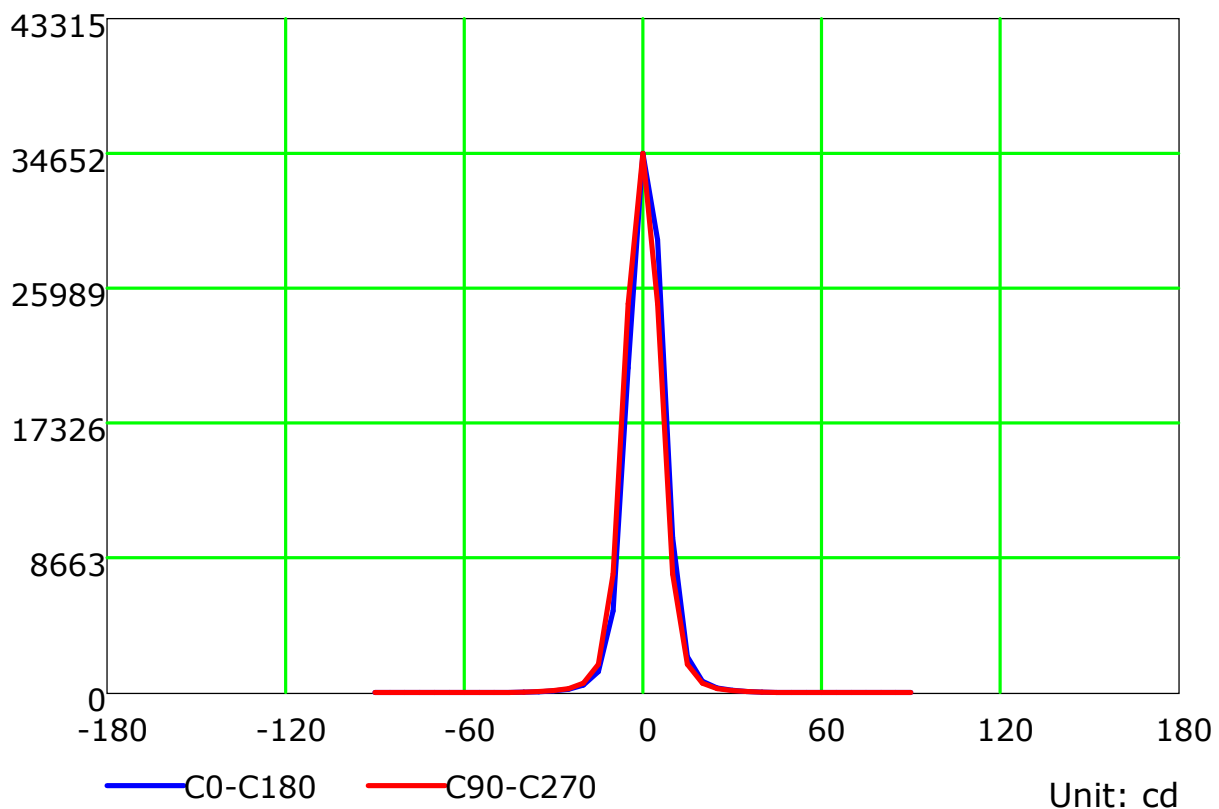
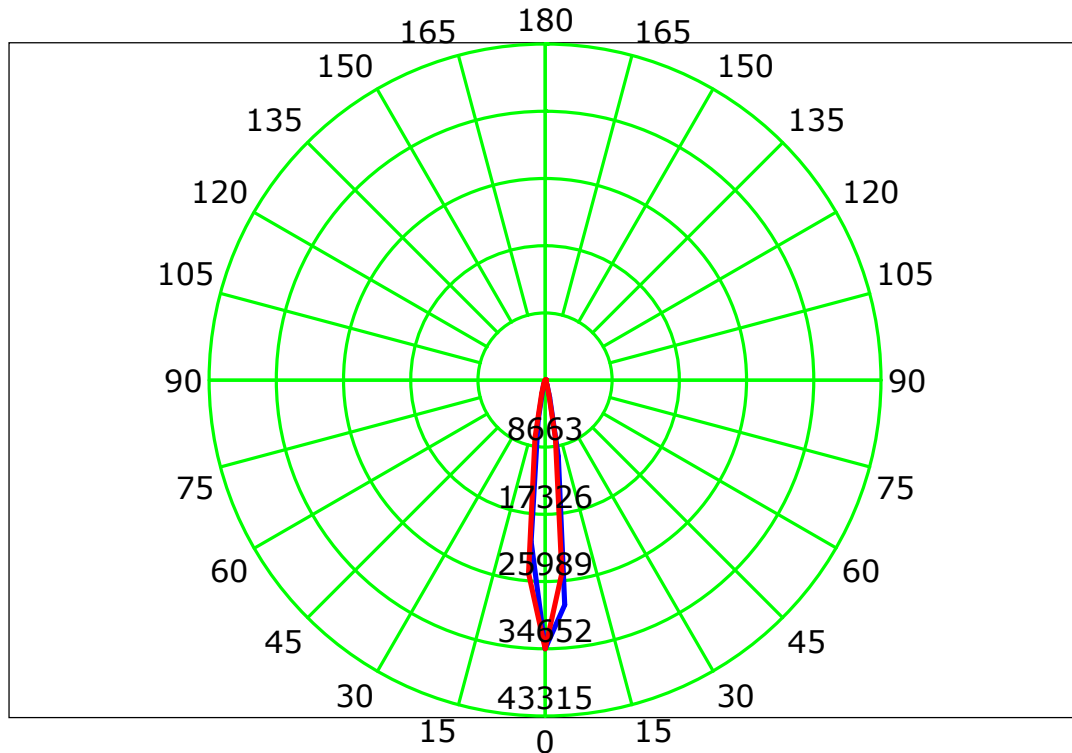
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



Unit: 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

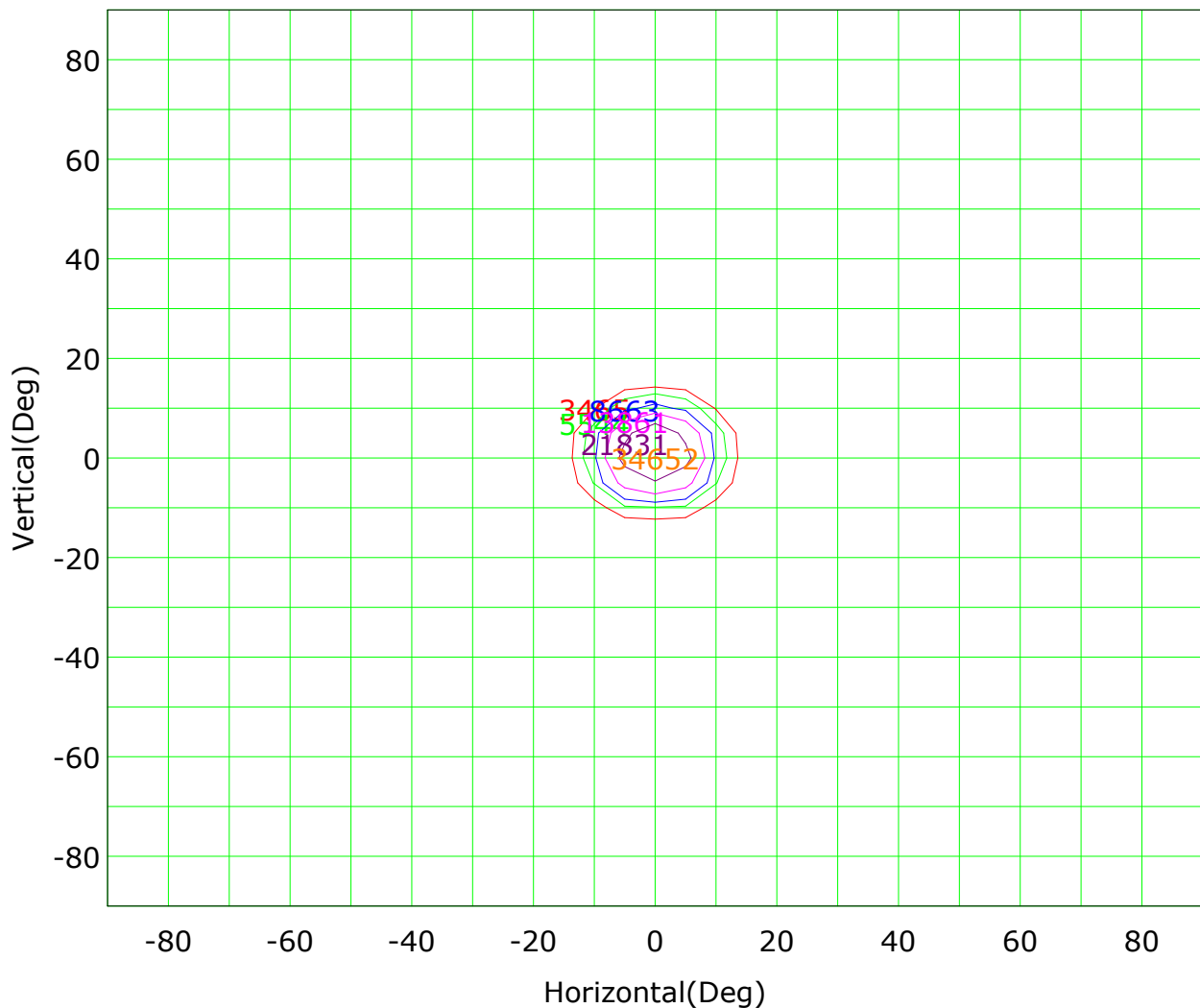
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 34652 cd

( 10%): 3465 cd	( 16%): 5544 cd
( 25%): 8663 cd	( 40%): 13861 cd
( 63%): 21831 cd	(100%): 34652 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

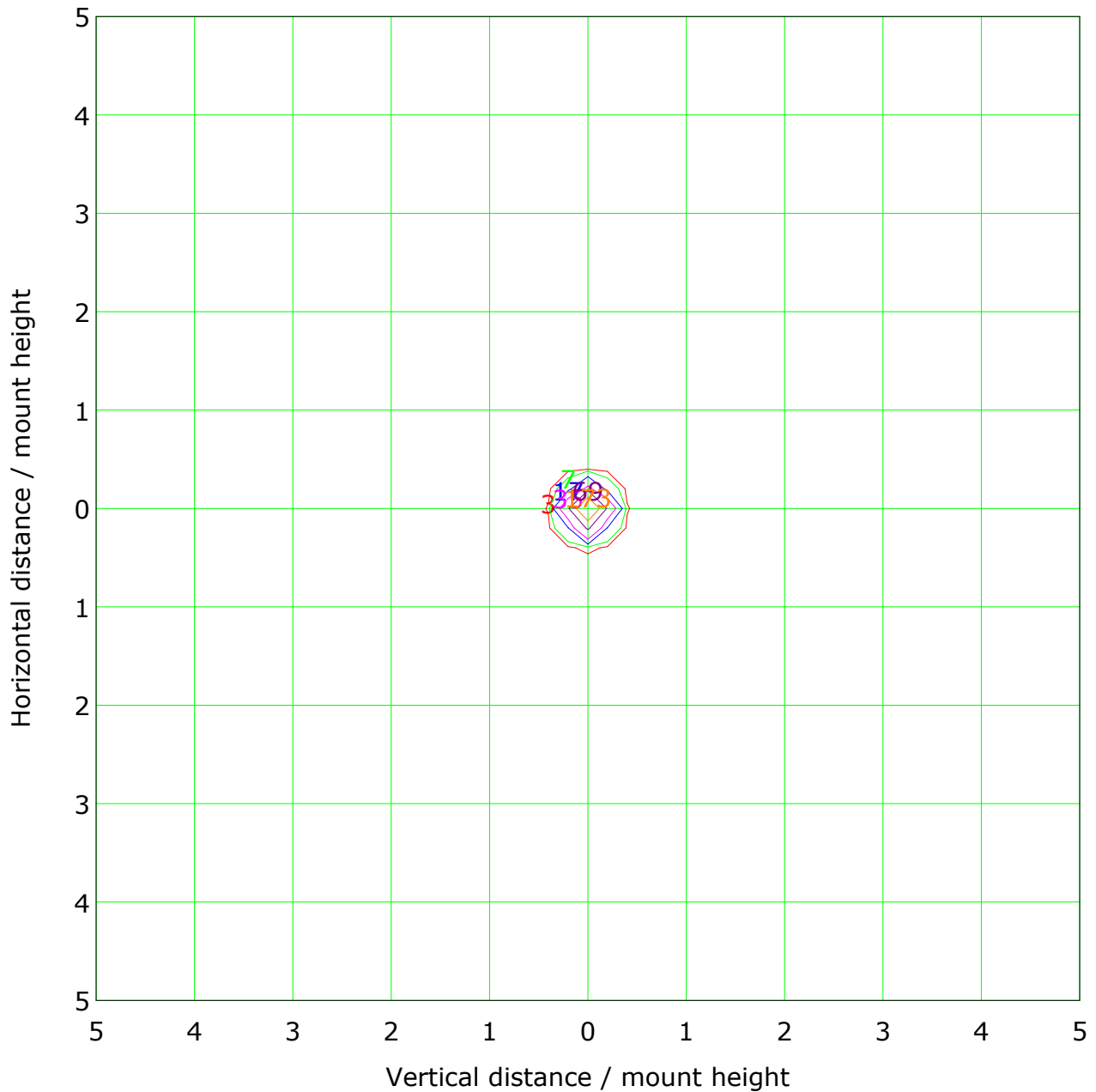
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



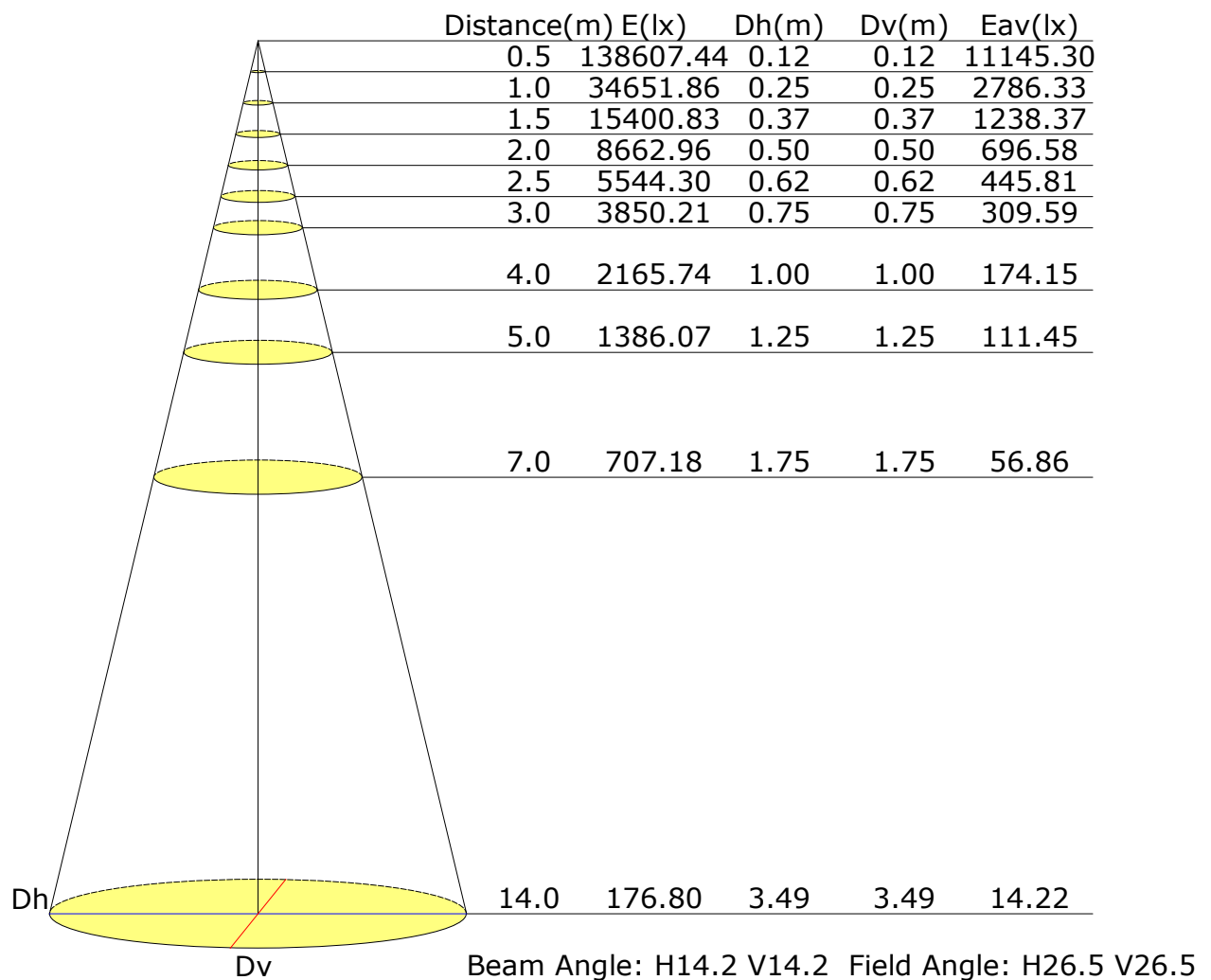
Mounting Height: 10m    Max Lux(100%): 347 lx

( 1%):    3 lx	( 2%):    7 lx
( 5%):    17 lx	( 10%):    35 lx
( 20%):    69 lx	( 50%):    173 lx
(100%):    347 lx	

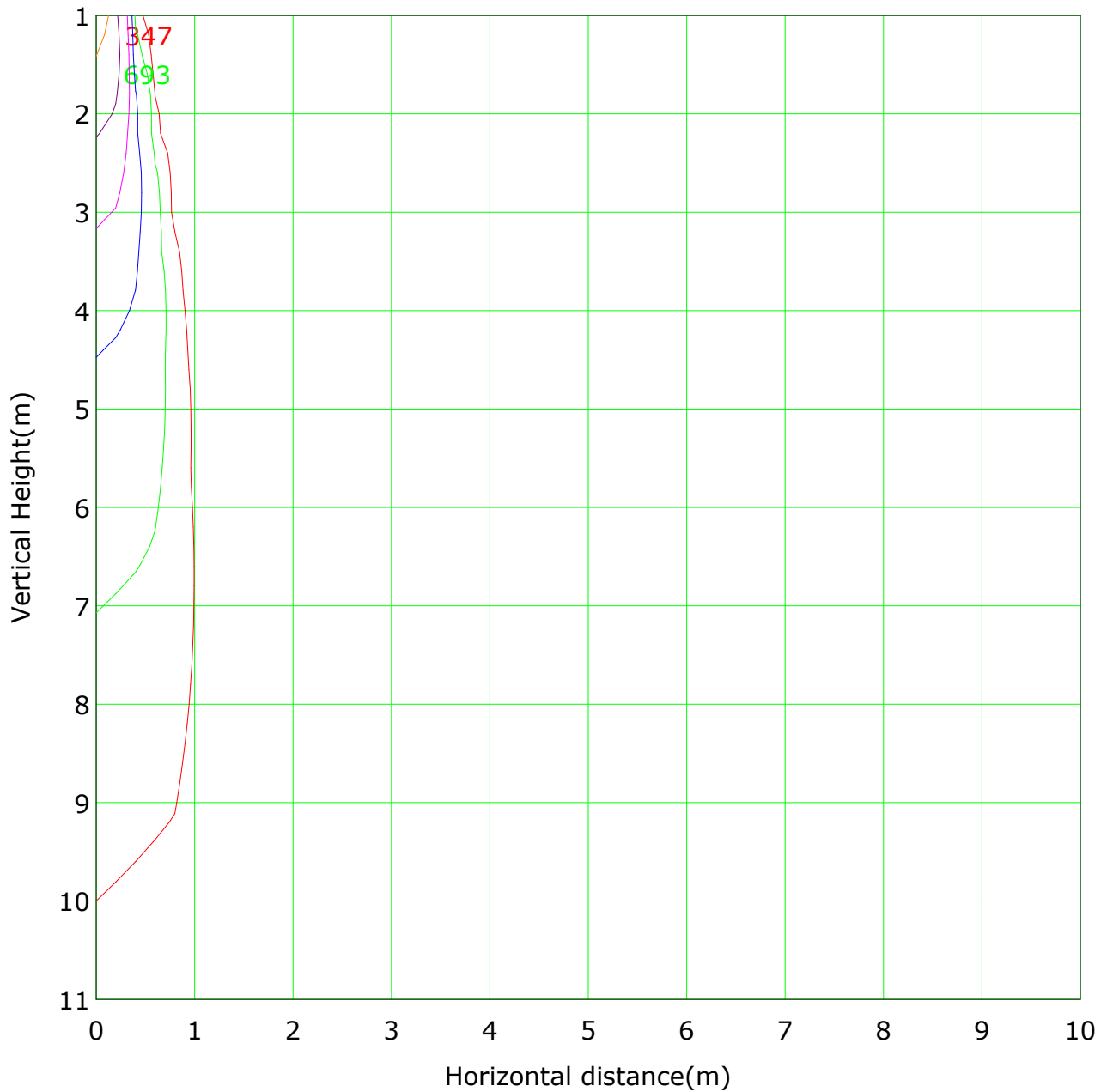
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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: 34652

( 1%): 347 lx	( 2%): 693 lx
( 5%): 1733 lx	( 10%): 3465 lx
( 20%): 6930 lx	( 50%): 17326 lx
(100%): 34652 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

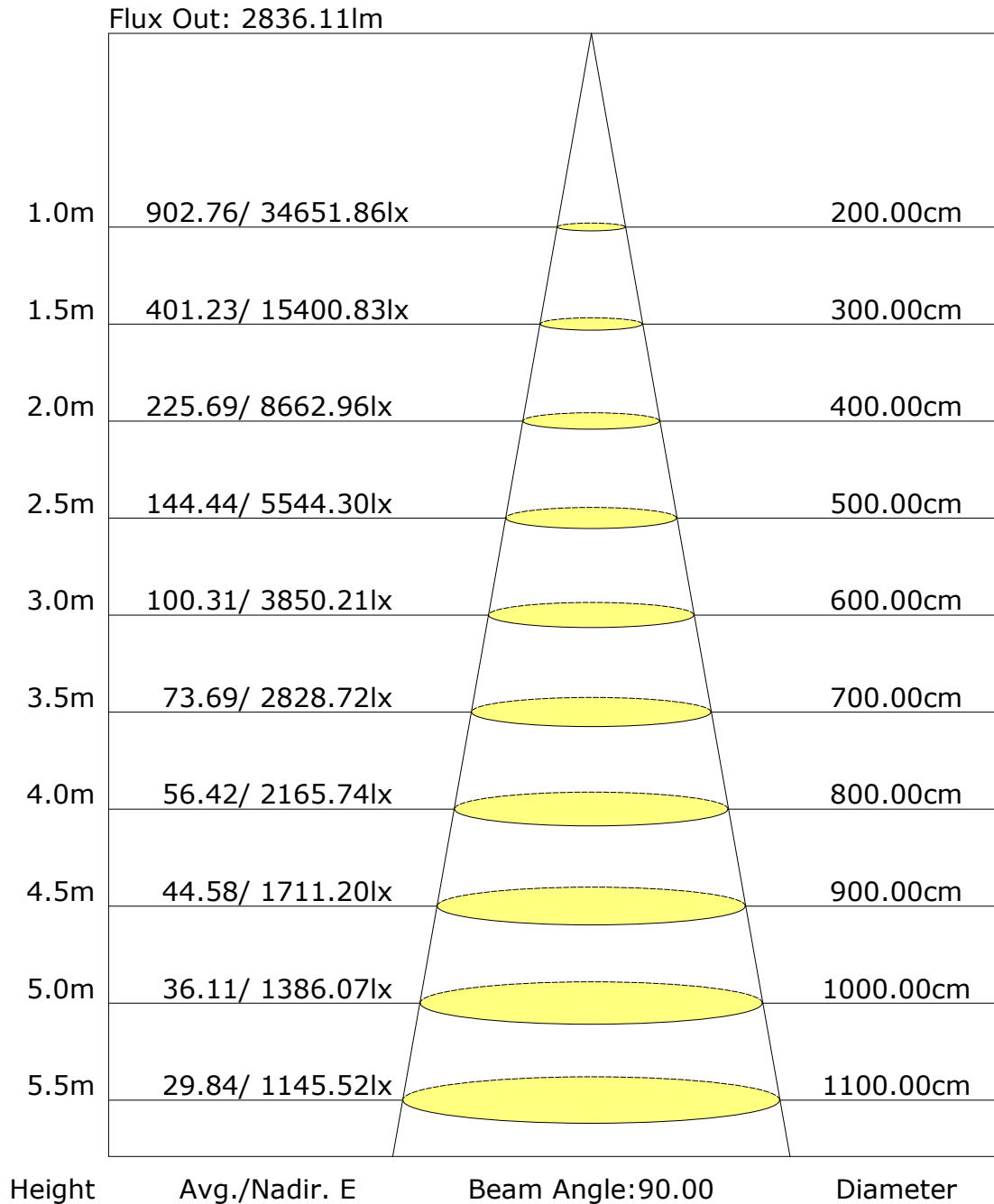
Test Device: CHL-6E

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: