

Report No.: 56.08011 EMMA DownLight

Test Time: 2023-09-09 15:43

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 222.3 V

Current: 0.170 A

Power: 36 W

Power Factor: 0.959

## Photometric Results

CIE Class: Direct

Measurement Flux: 4509 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H30.3

Vertical Diffuse Angle(50%): V30.3

Luminaire Efficacy Rating (LER): 124

Max. Intensity: 15927.71 cd

Total Rated Lamp Lumens: 4509 lm

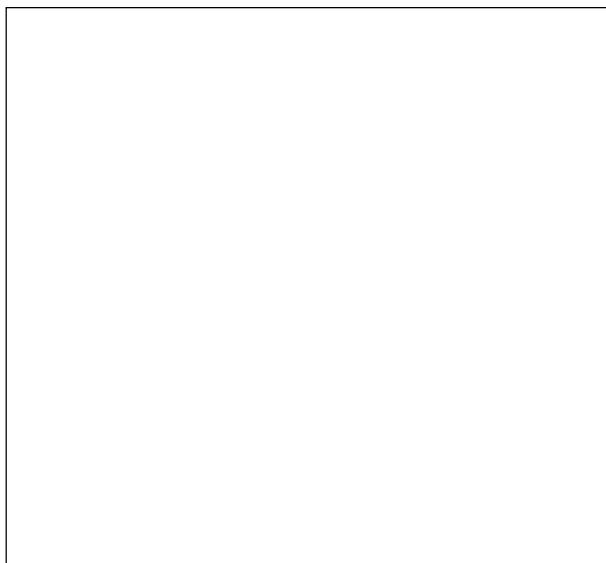
Efficiency: 100%

Upward Ratio: 0%

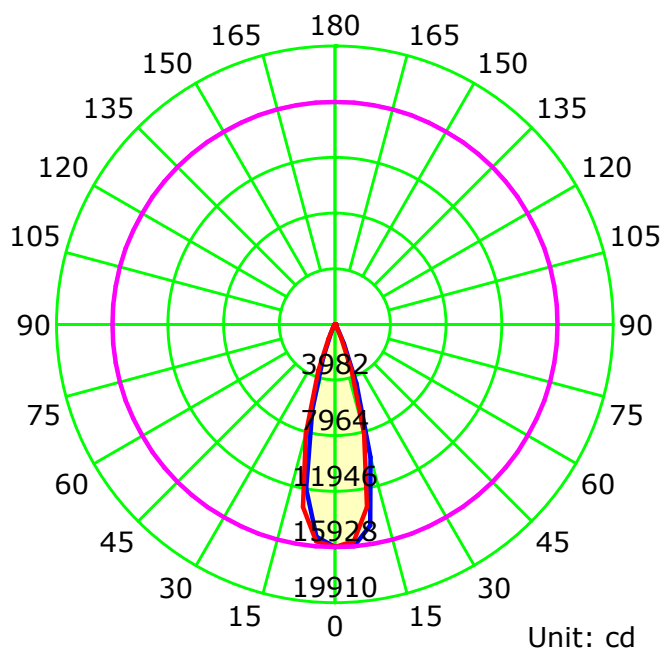
Central Intensity: 15927.71 cd

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

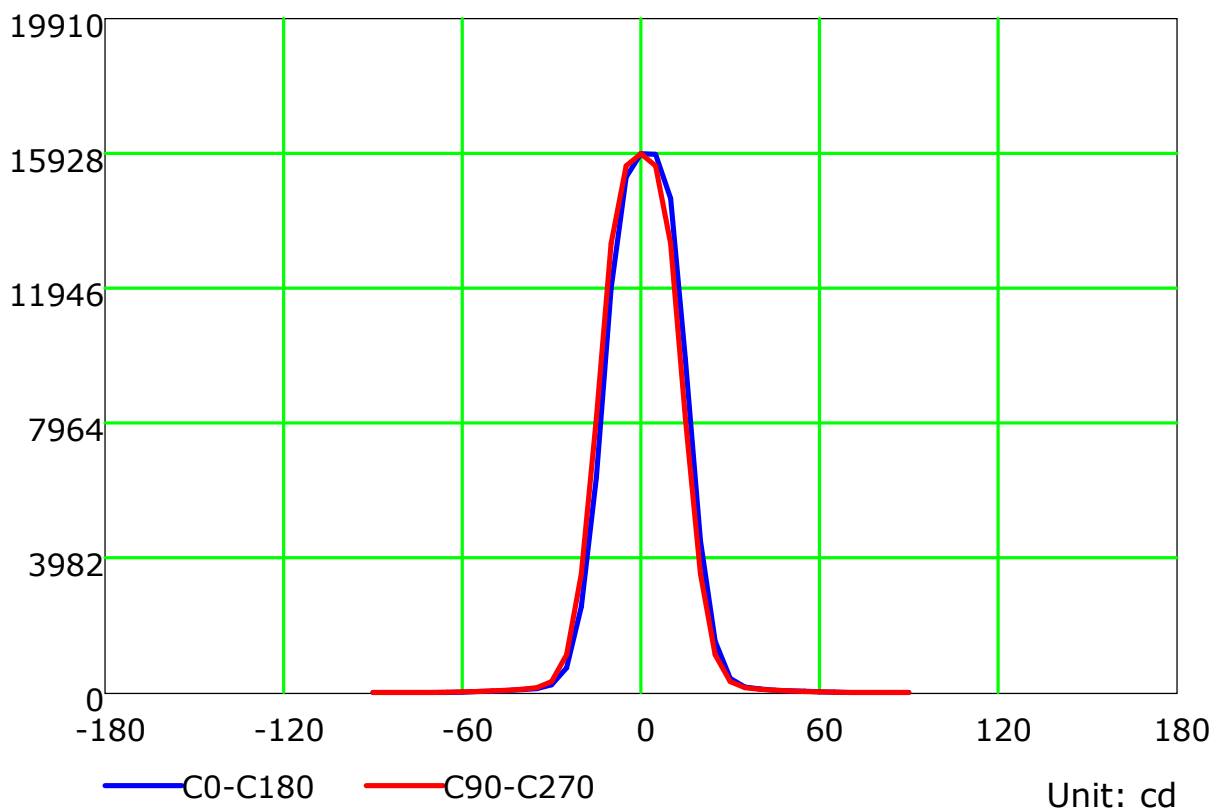
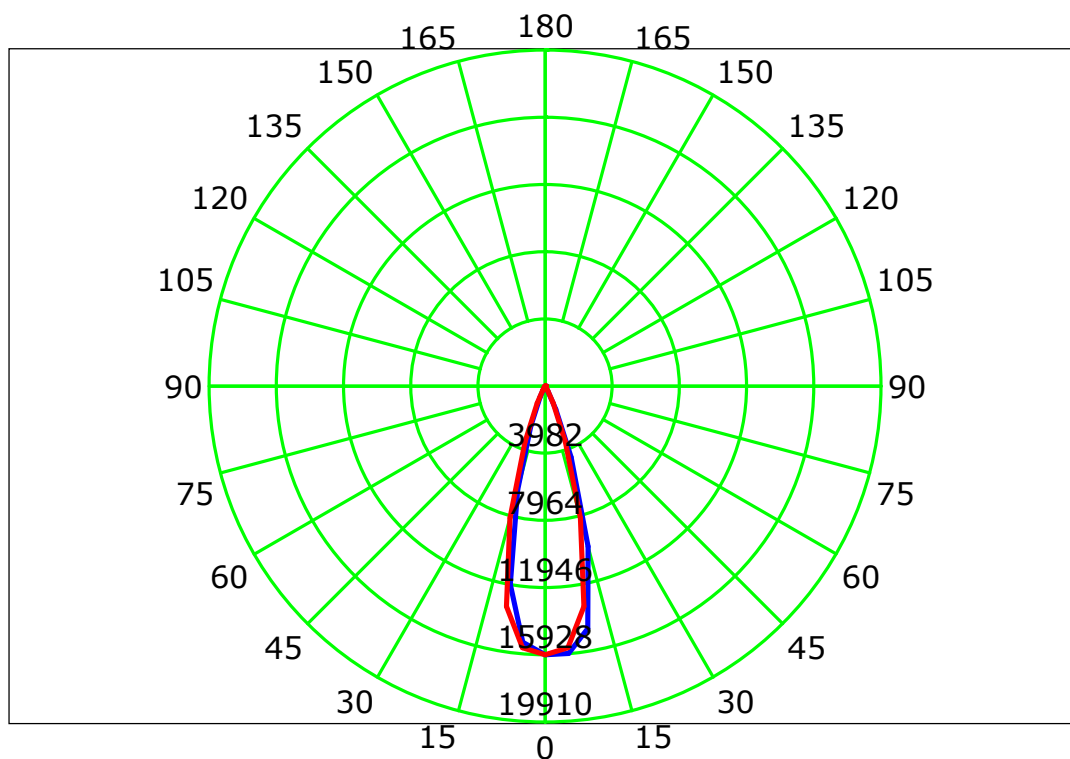
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

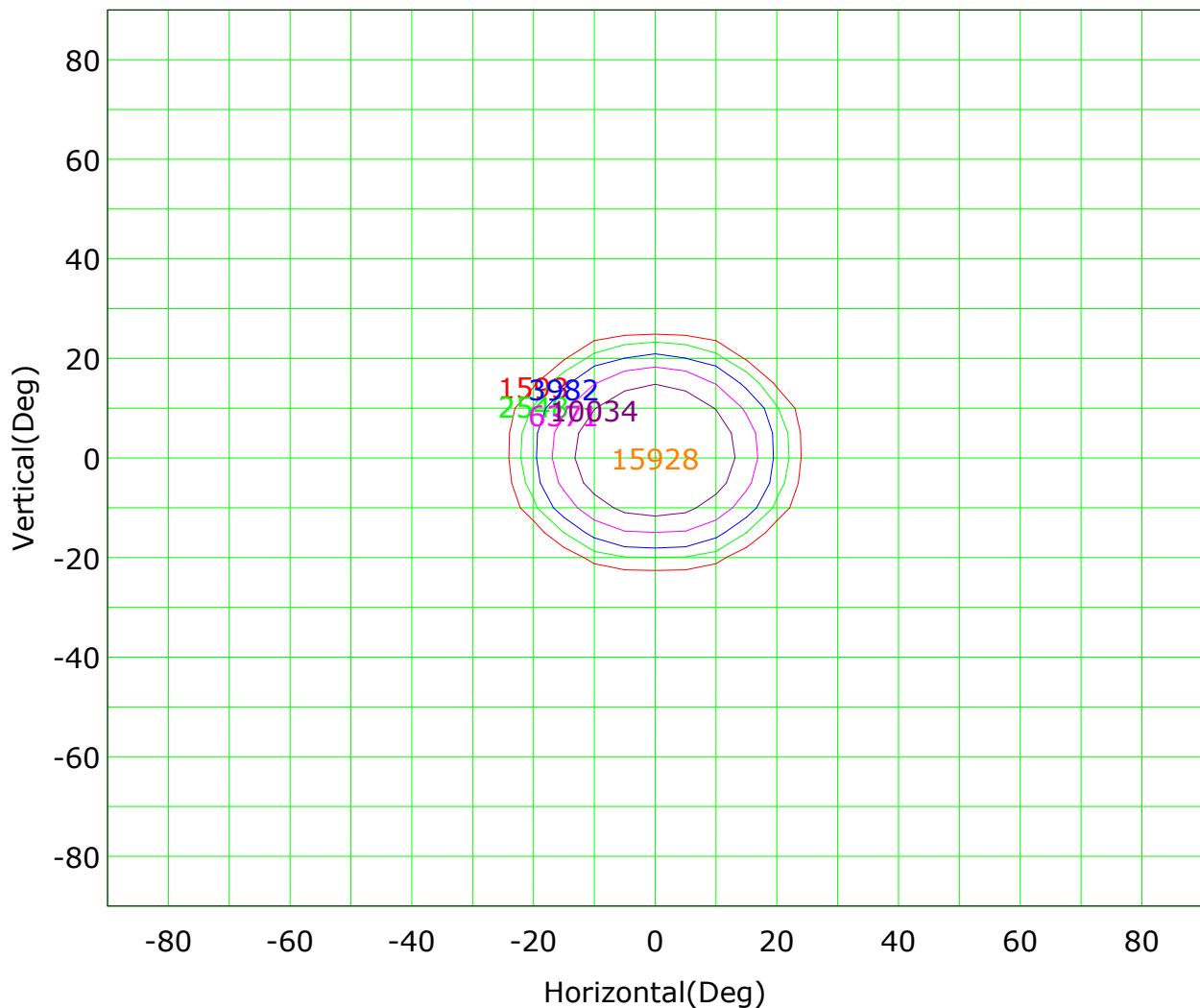
## Luminous Intensity Distribution Curve



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%): 15928 cd

( 10%): 1593 cd	( 16%): 2548 cd
( 25%): 3982 cd	( 40%): 6371 cd
( 63%): 10034 cd	(100%): 15928 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

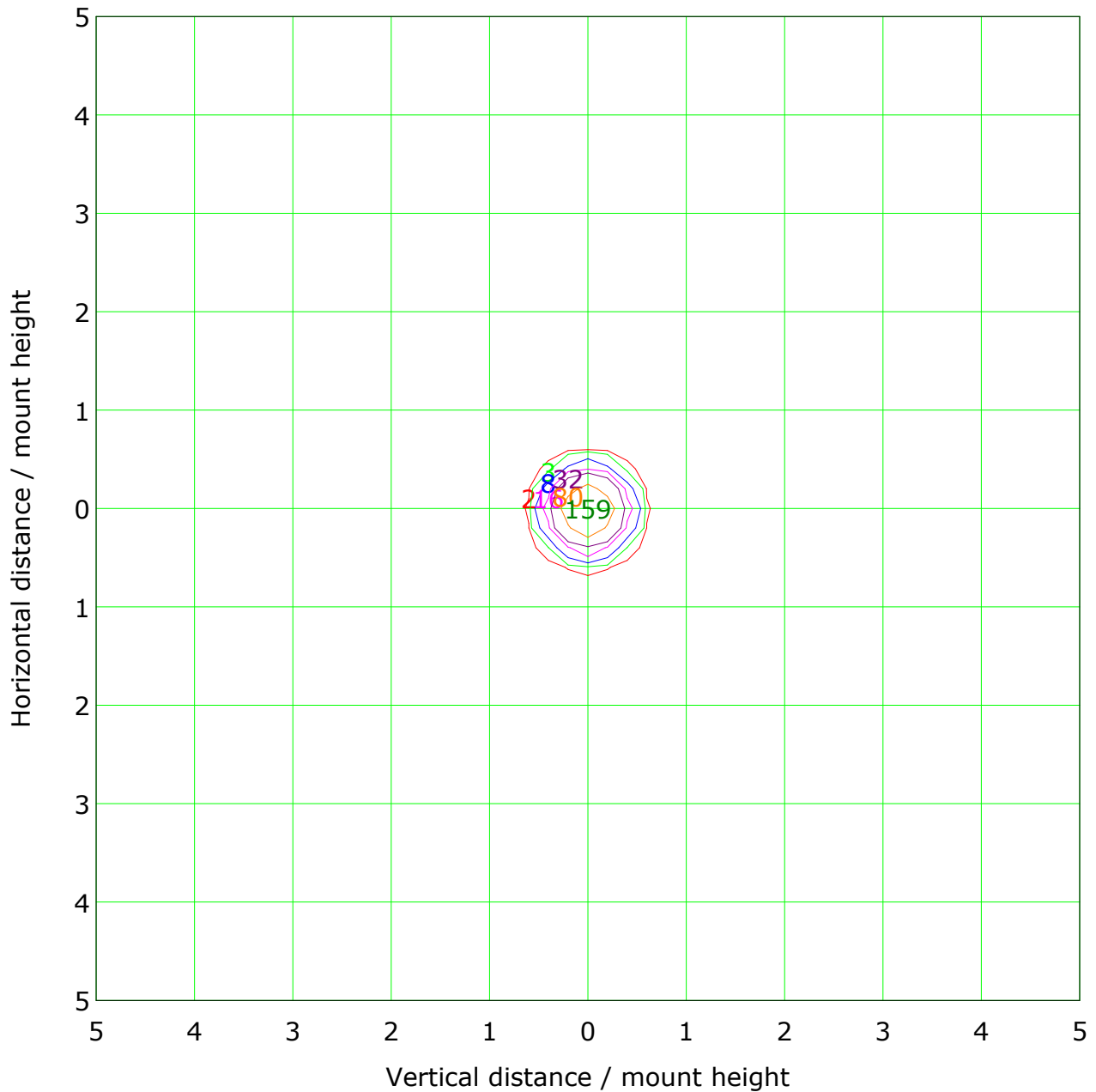
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 159 lx

( 1%):	2 lx	( 2%):	3 lx
( 5%):	8 lx	( 10%):	16 lx
( 20%):	32 lx	( 50%):	80 lx
(100%):	159 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

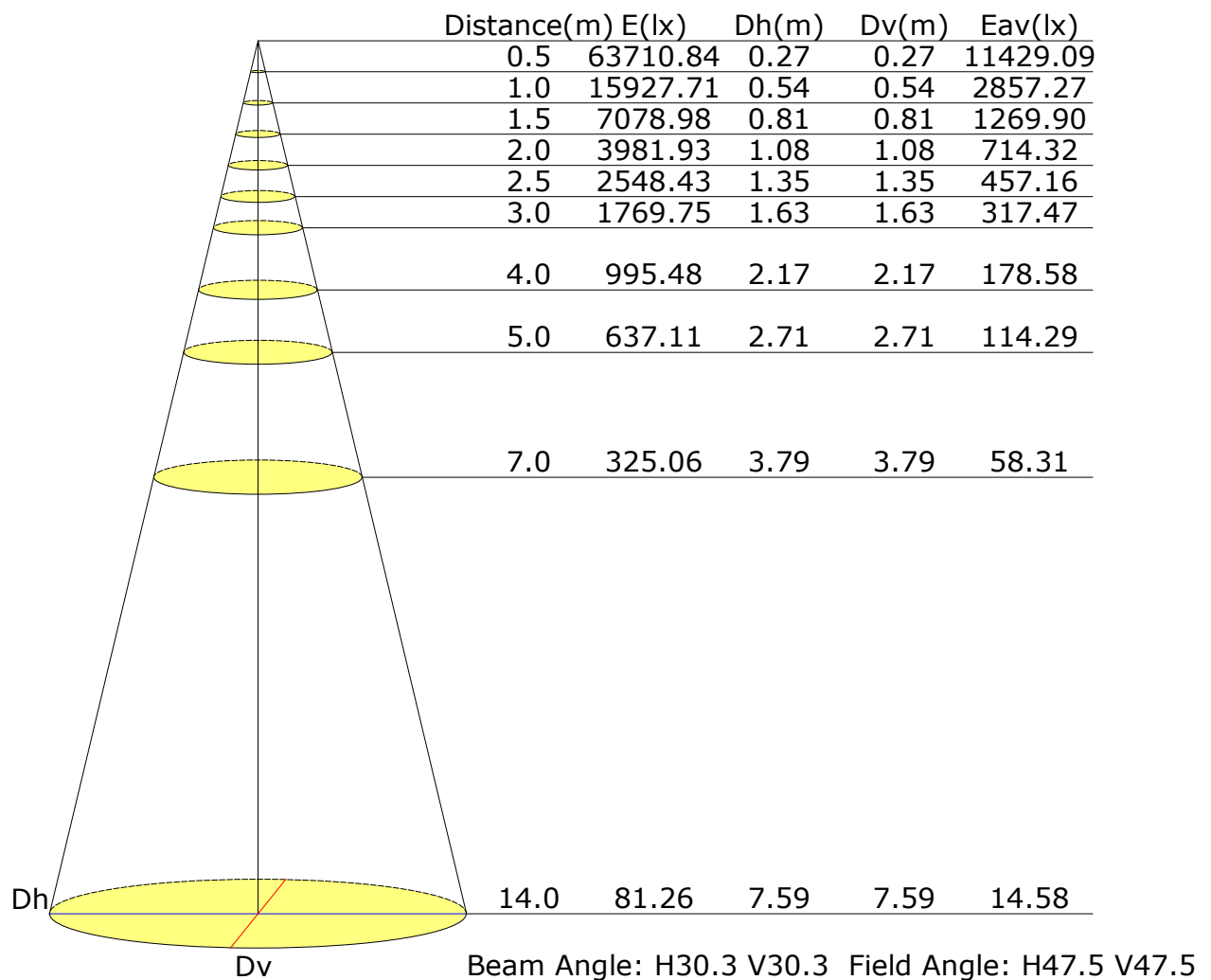
Test Device: CHL-6E

Distance: 3.000 m

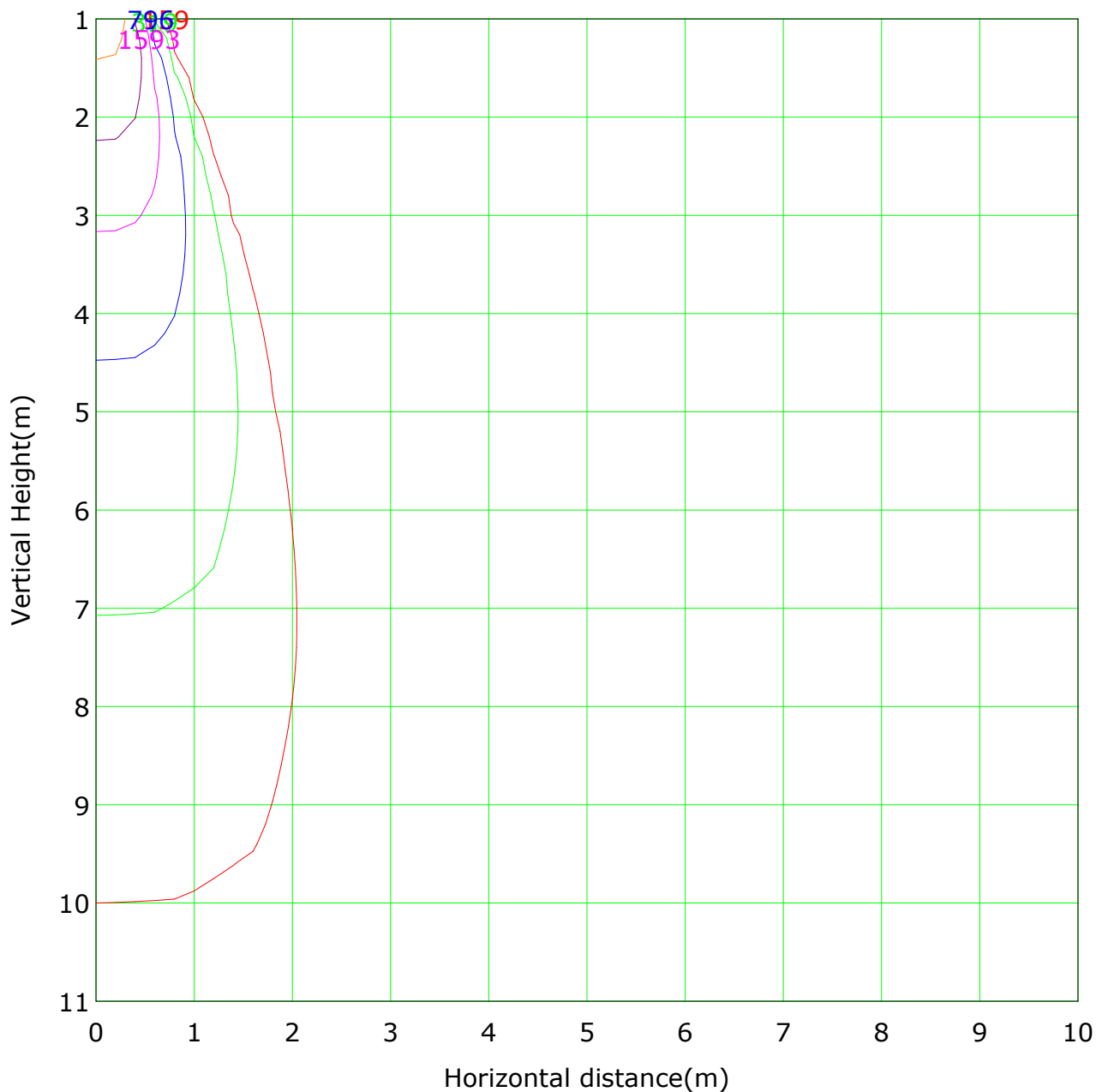
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



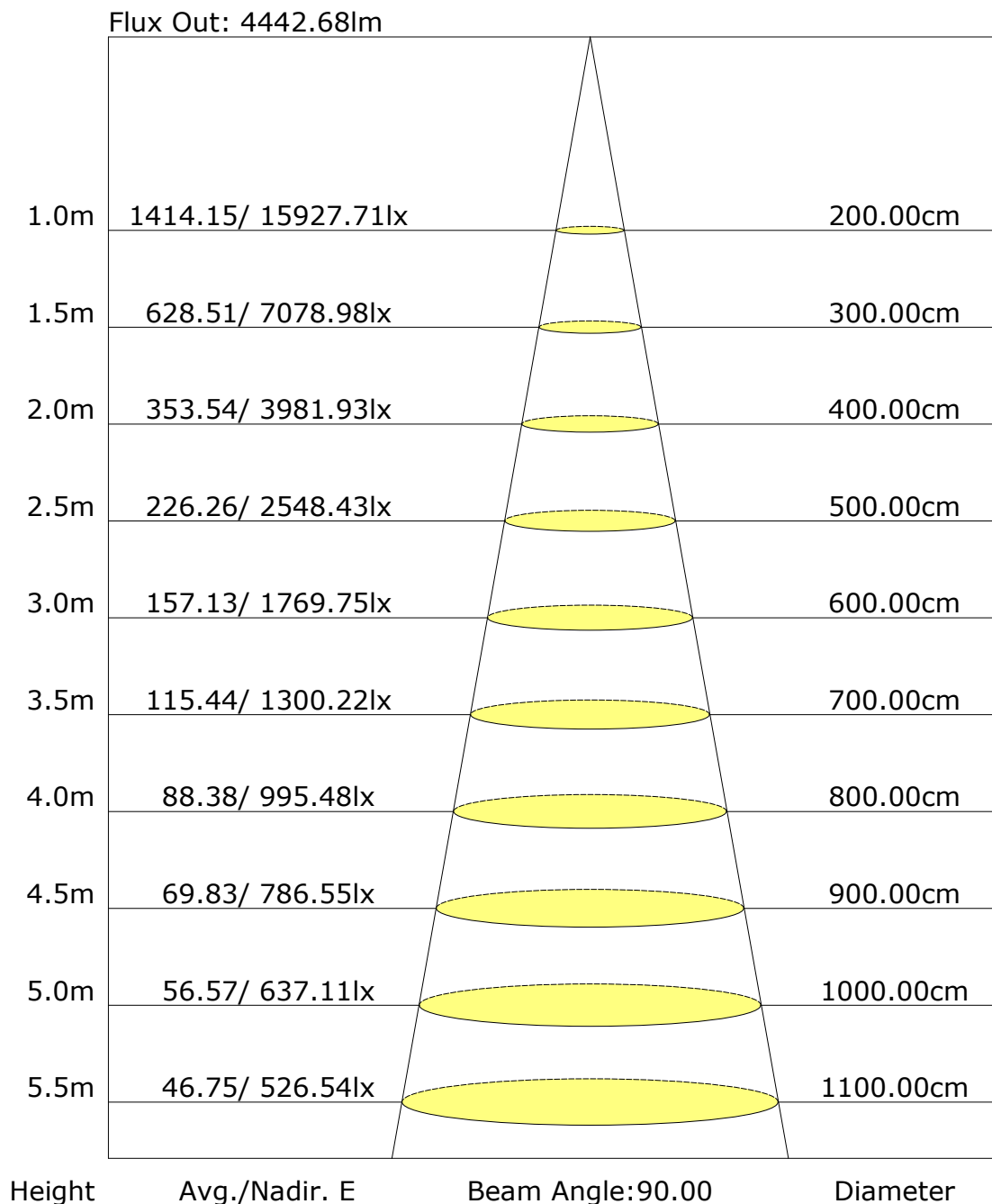
Lowest(m): 1m    Highest(m): 11    Max Lux: 15928

( 1%): 159 lx	( 2%): 319 lx
( 5%): 796 lx	( 10%): 1593 lx
( 20%): 3186 lx	( 50%): 7964 lx
(100%): 15928 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: