

Report No.: 91.08011 UTH Surface mounted Test Time: 2023-09-02 11:03

## Luminaire Property

Luminaire Category: Bridgelux V6HD 3000K CRI90

Voltage: 222.0 V

Current: 0.089 A

Power: 10.40 W

Power Factor: 0.524

## Photometric Results

CIE Class: Direct

Measurement Flux: 818.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H21.7

Vertical Diffuse Angle(50%): V21.7

Luminaire Efficacy Rating (LER): 79

Max. Intensity: 4416.78 cd

Total Rated Lamp Lumens: 818.9 lm

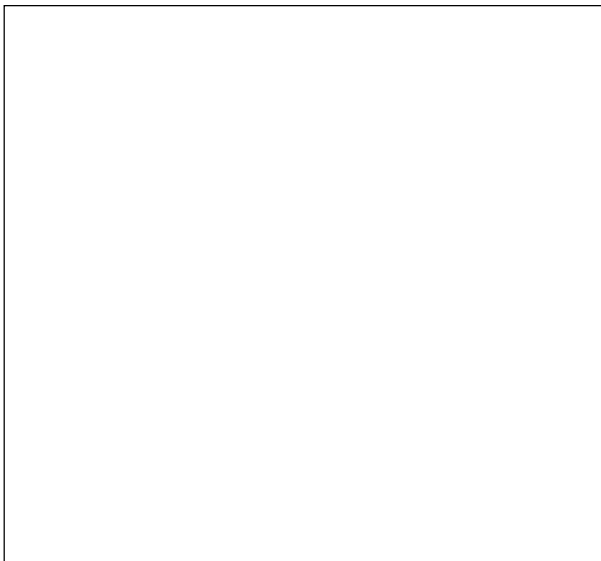
Efficiency: 100%

Upward Ratio: 0%

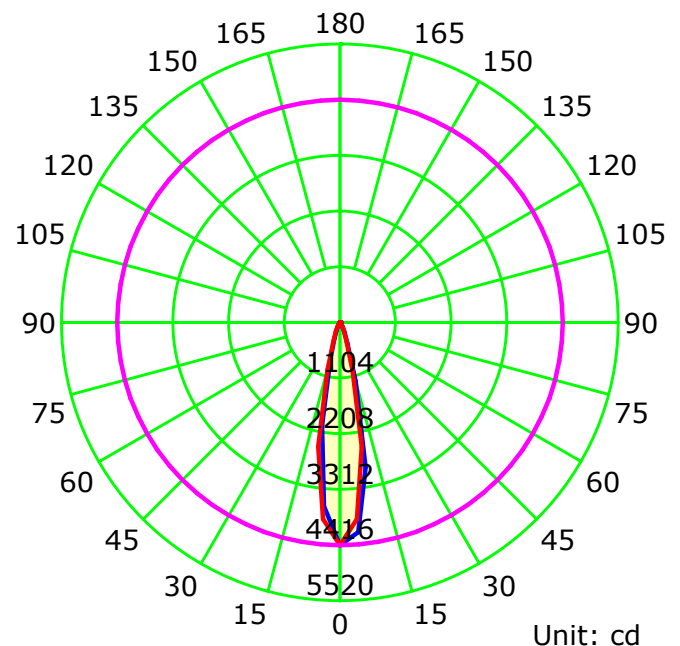
Central Intensity: 4416.77 cd

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

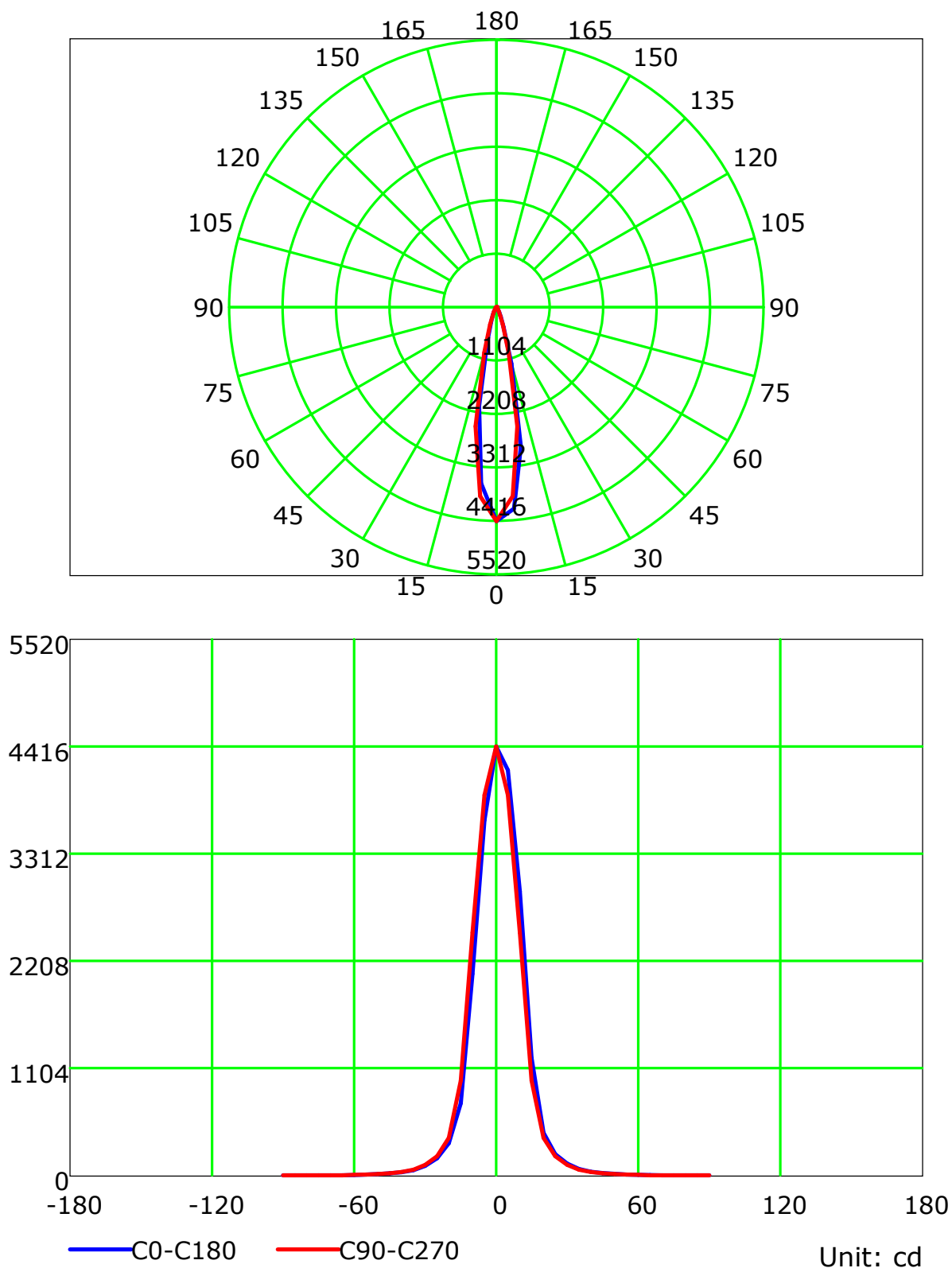
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

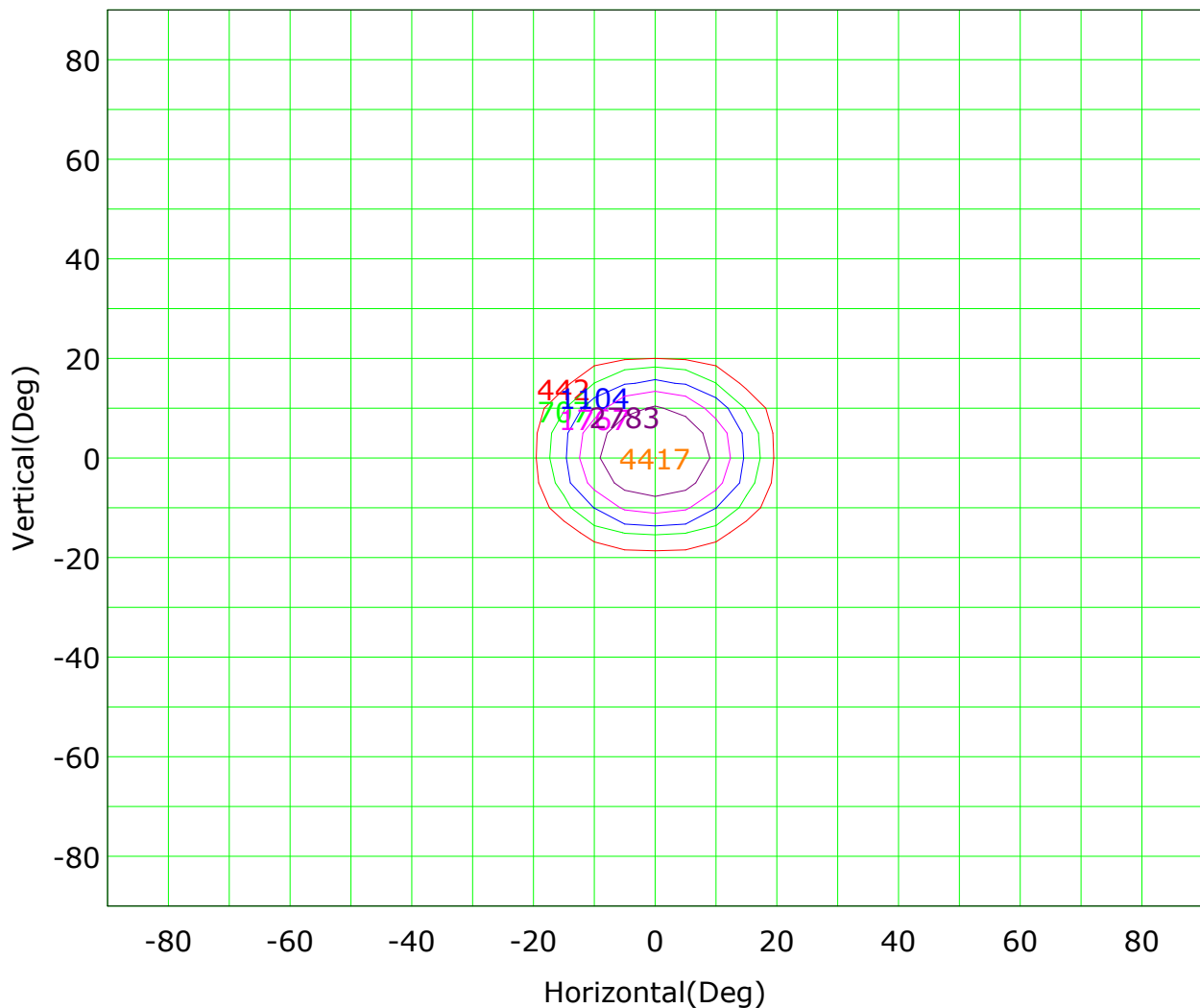
## Luminous Intensity Distribution Curve



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%): 4417 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 442 cd  | ( 16%): 707 cd  |
| ( 25%): 1104 cd | ( 40%): 1767 cd |
| ( 63%): 2783 cd | (100%): 4417 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

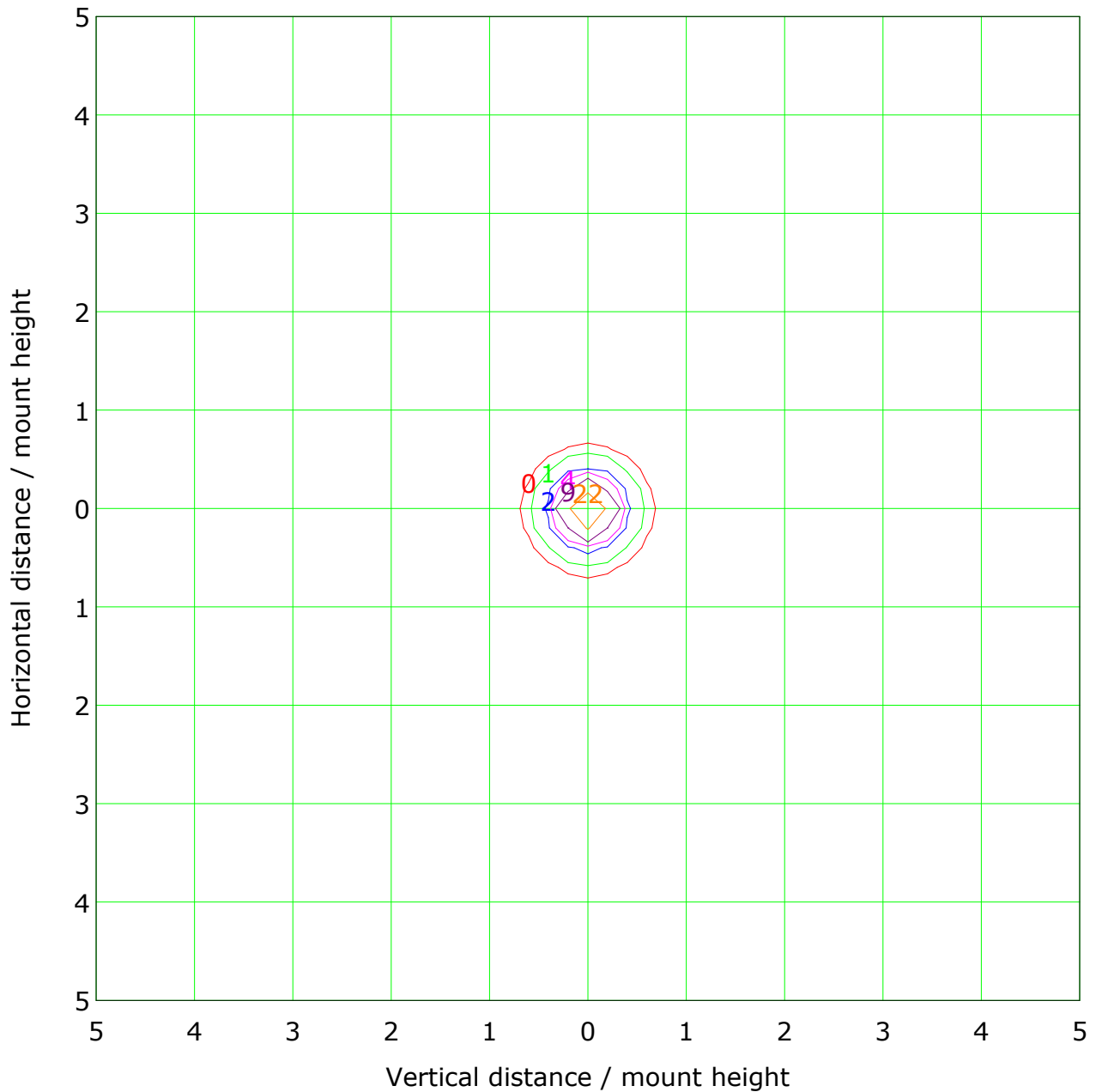
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



|                      |       |                      |       |
|----------------------|-------|----------------------|-------|
| Mounting Height: 10m |       | Max Lux(100%): 44 lx |       |
| ( 1%):               | 0 lx  | ( 2%):               | 1 lx  |
| ( 5%):               | 2 lx  | ( 10%):              | 4 lx  |
| ( 20%):              | 9 lx  | ( 50%):              | 22 lx |
| (100%):              | 44 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

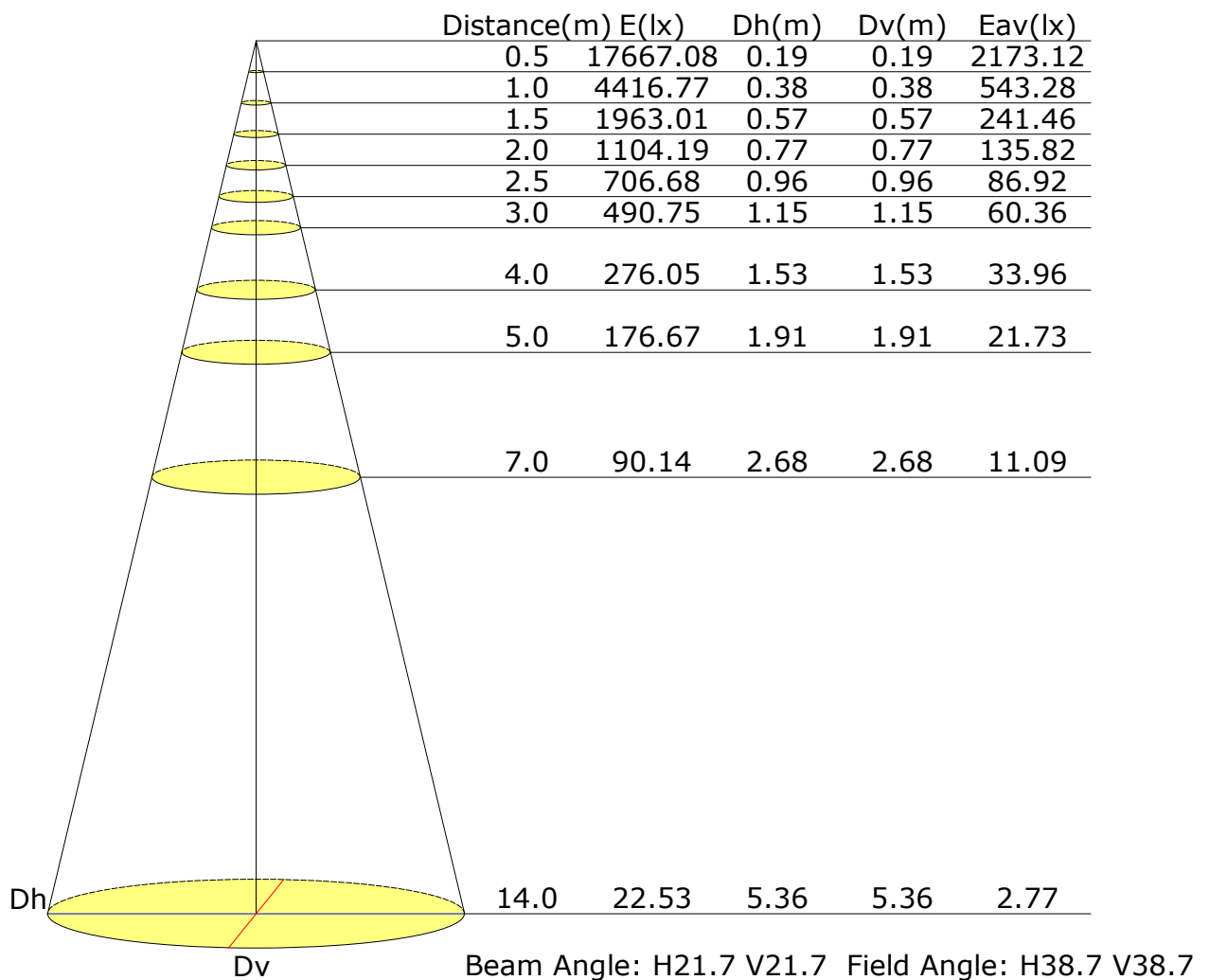
Test Device: CHL-6E

Distance: 3.000 m

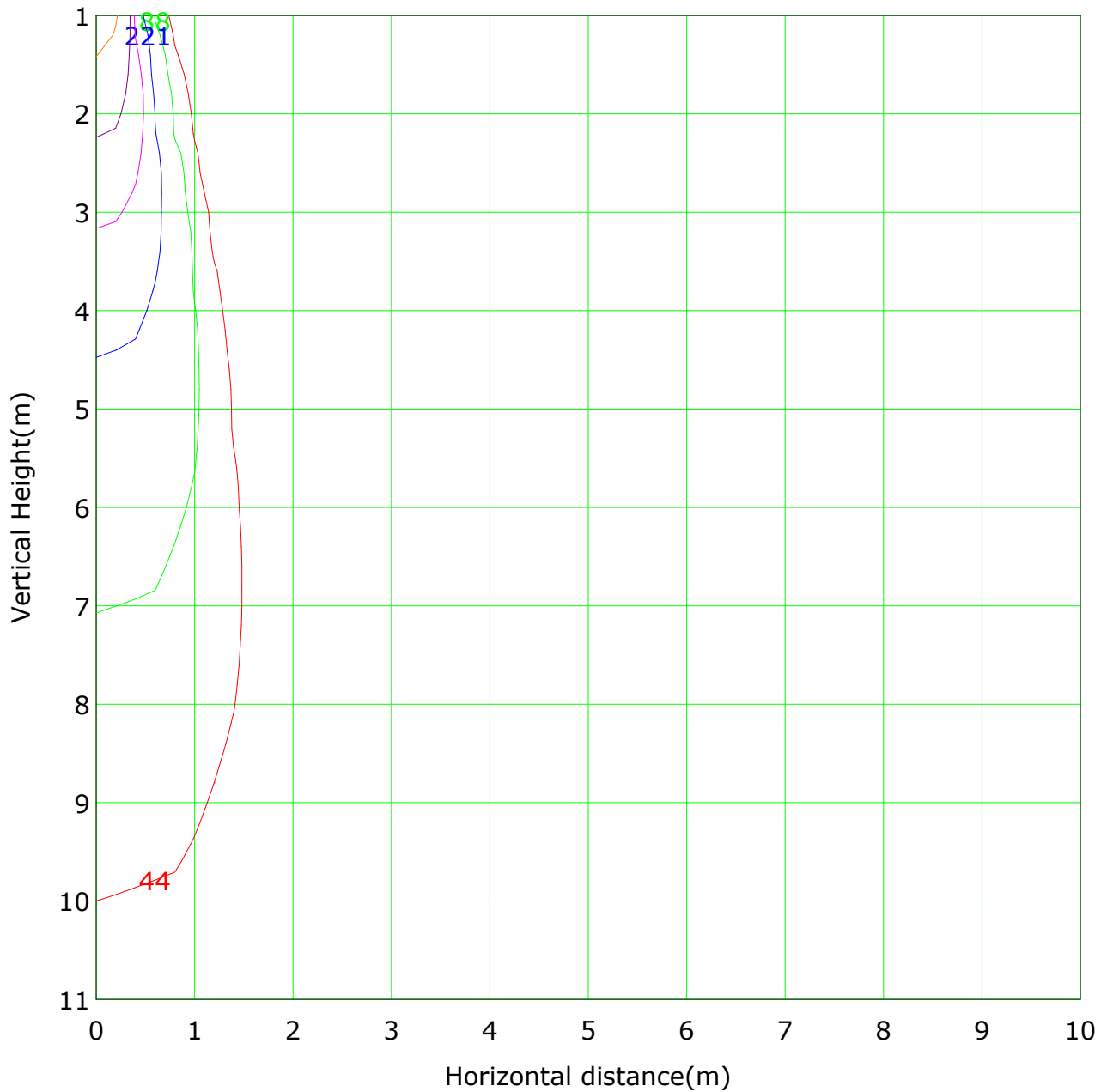
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



|  |                 |
|--|-----------------|
| Lowest(m): 1m    Highest(m): 11    Max Lux: 4417 |                 |
| ( 1%): 44 lx                                     | ( 2%): 88 lx    |
| ( 5%): 221 lx                                    | ( 10%): 442 lx  |
| ( 20%): 883 lx                                   | ( 50%): 2208 lx |
| (100%): 4417 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

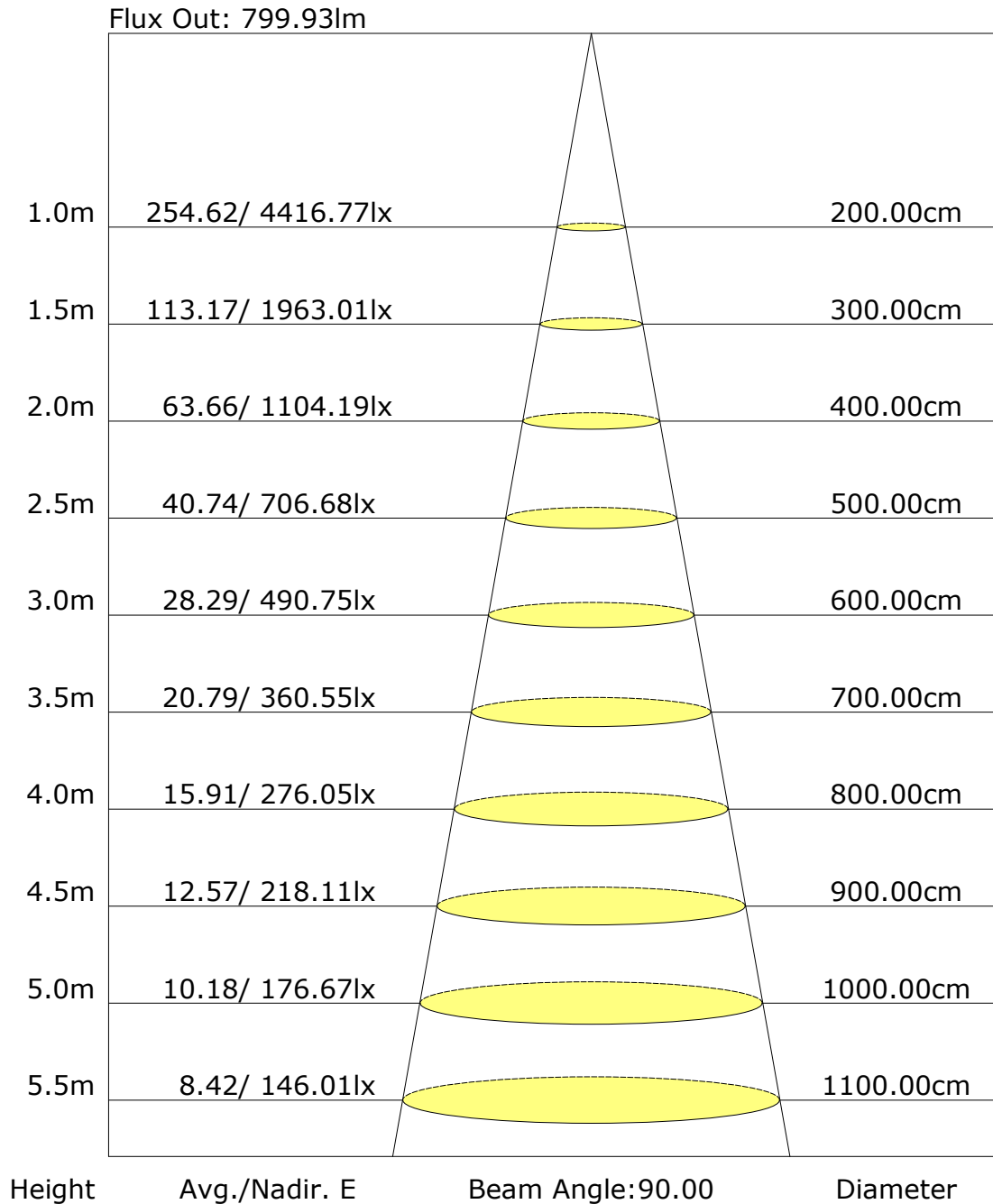
Test Device: CHL-6E

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: