

Report No.: 91.06511 UTH Surface mounted Test Time: 2023-09-02 11:31

## Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Voltage: 221.9 V

Current: 0.051 A

Power: 6.60 W

Power Factor: 0.583

## Photometric Results

CIE Class: Direct

Measurement Flux: 452.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.8

Vertical Diffuse Angle(50%): V20.8

Luminaire Efficacy Rating (LER): 69

Max. Intensity: 1936.43 cd

Total Rated Lamp Lumens: 452.8 lm

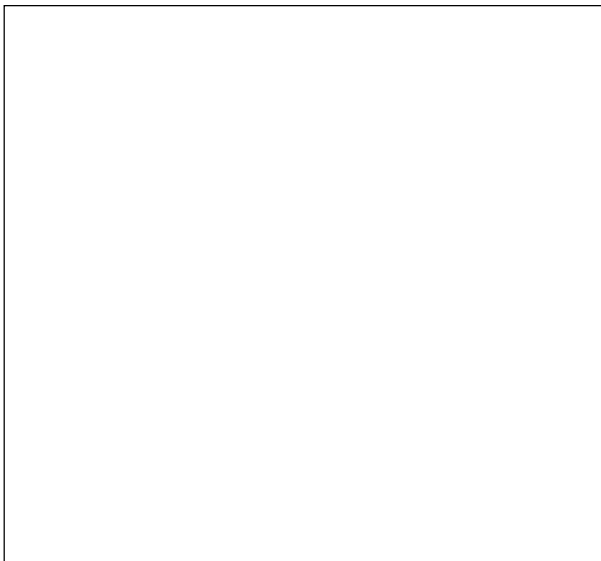
Efficiency: 100%

Upward Ratio: 0%

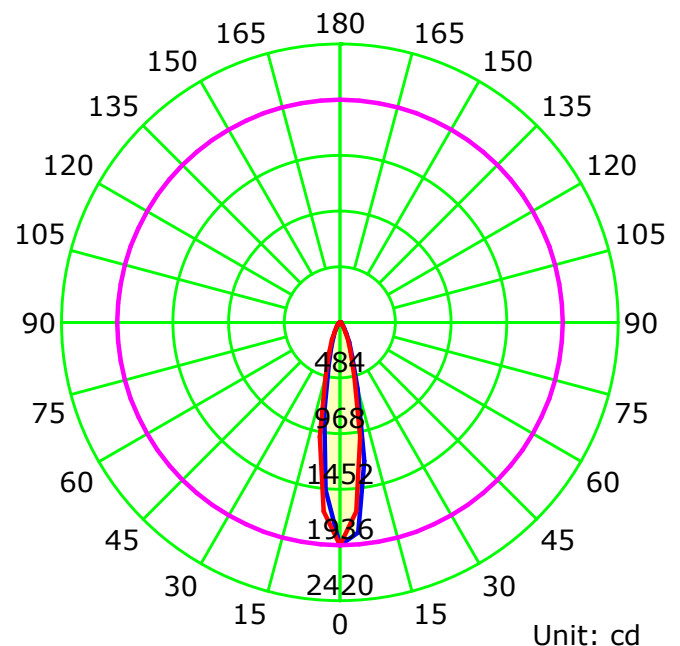
Central Intensity: 1936.42 cd

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

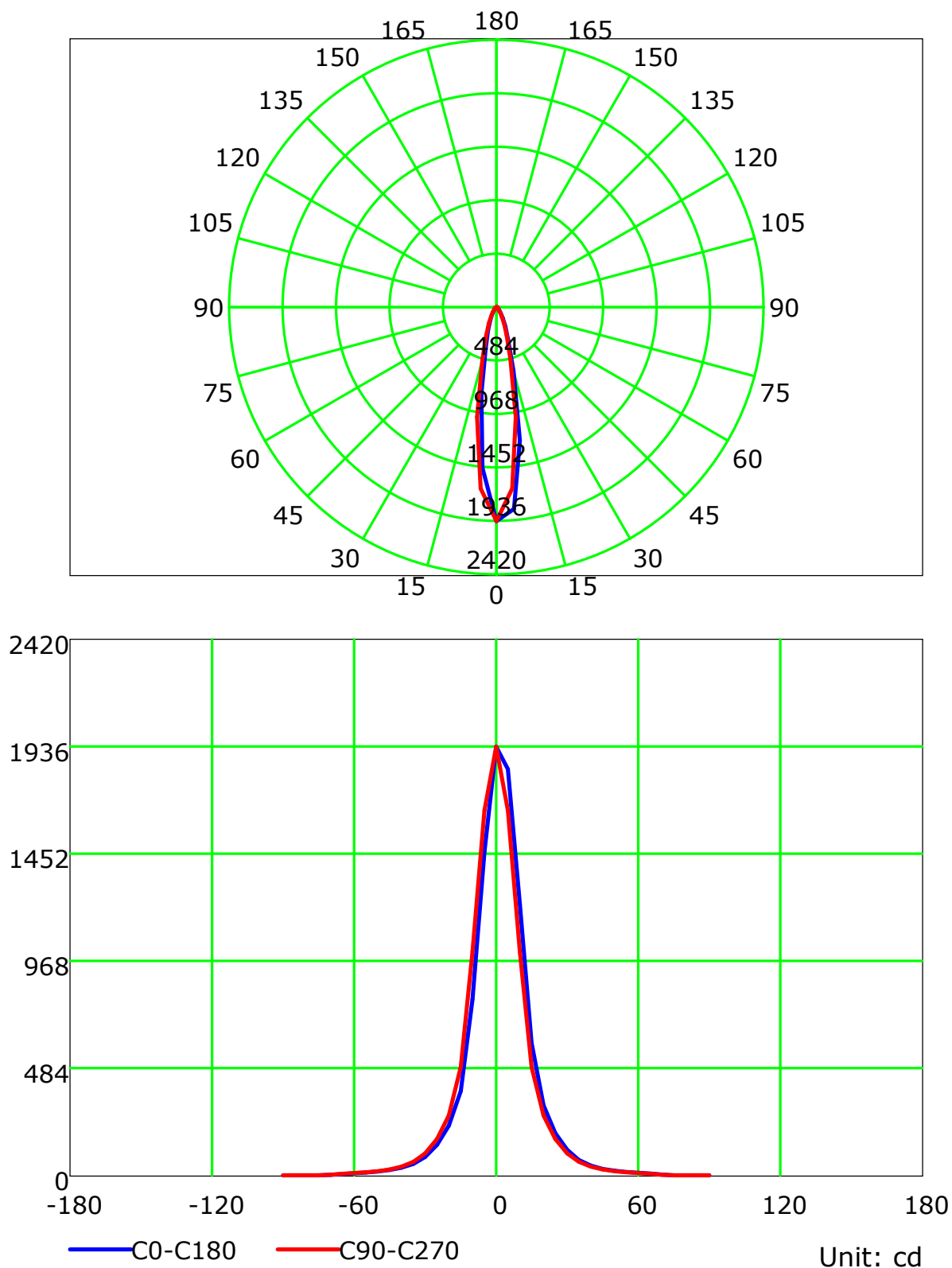
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

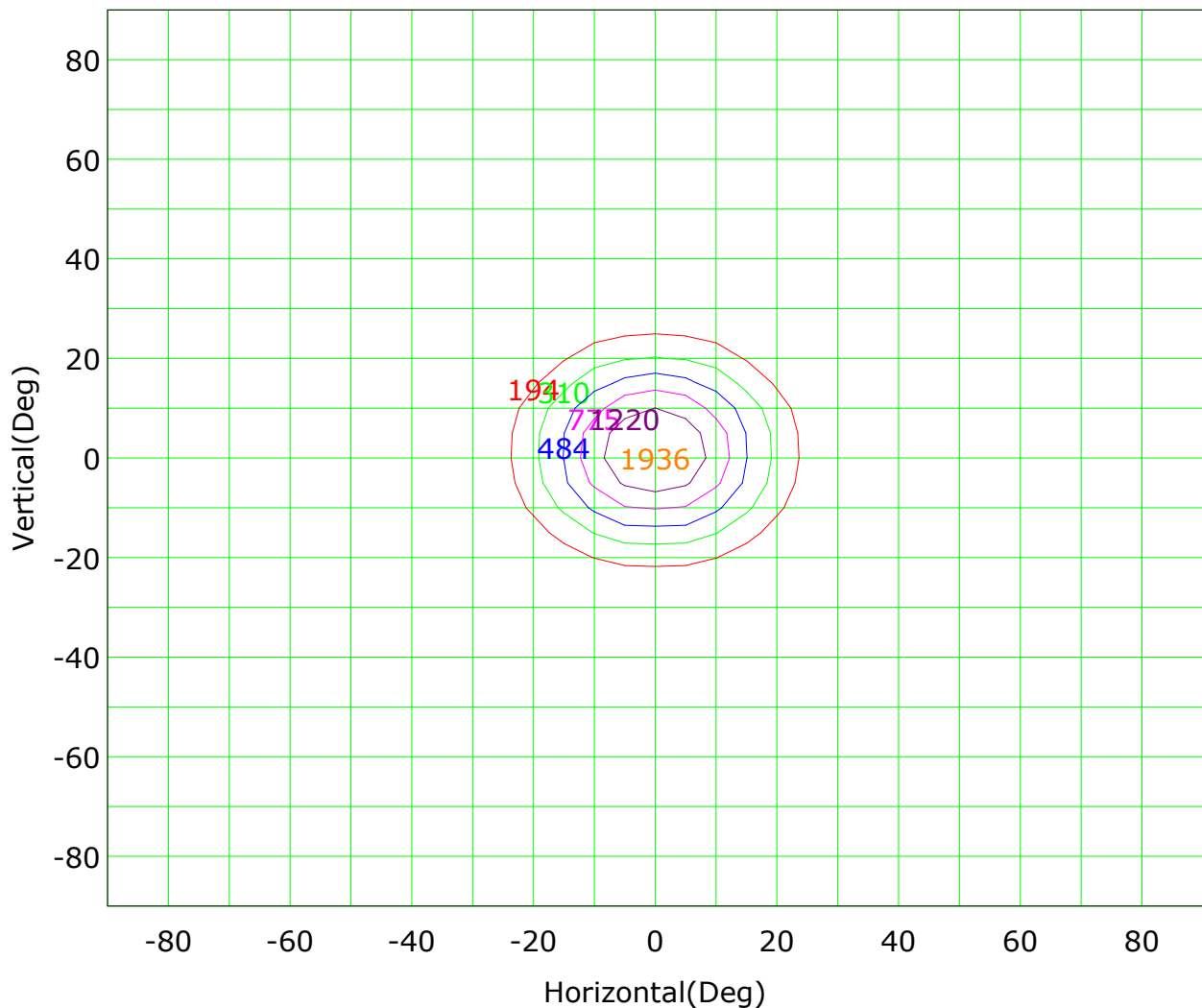
## Luminous Intensity Distribution Curve



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%): 1936 cd

( 10%): 194 cd	( 16%): 310 cd
( 25%): 484 cd	( 40%): 775 cd
( 63%): 1220 cd	(100%): 1936 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

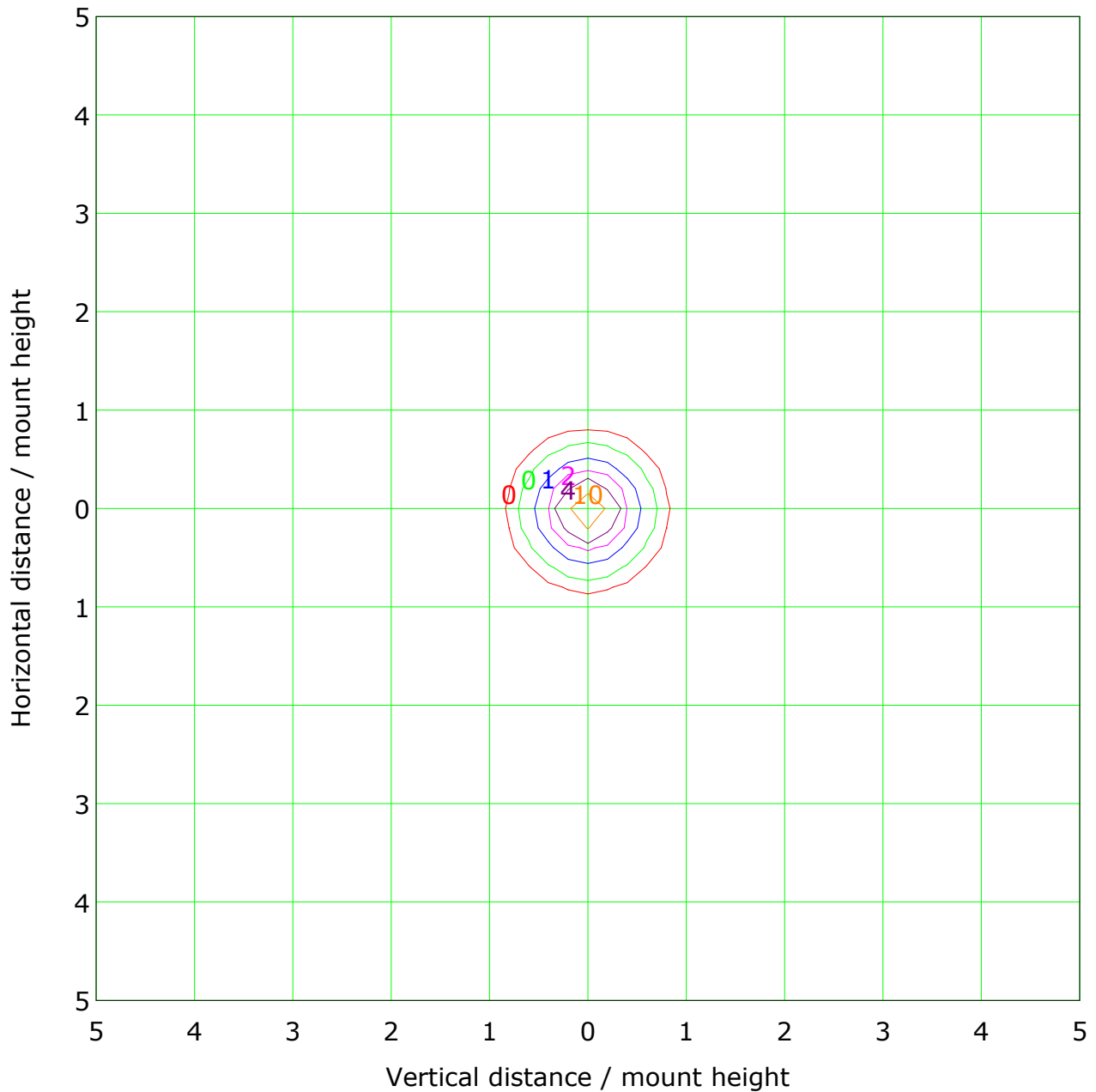
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 19 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	2 lx
— ( 20%):	4 lx	— ( 50%):	10 lx
— (100%):	19 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

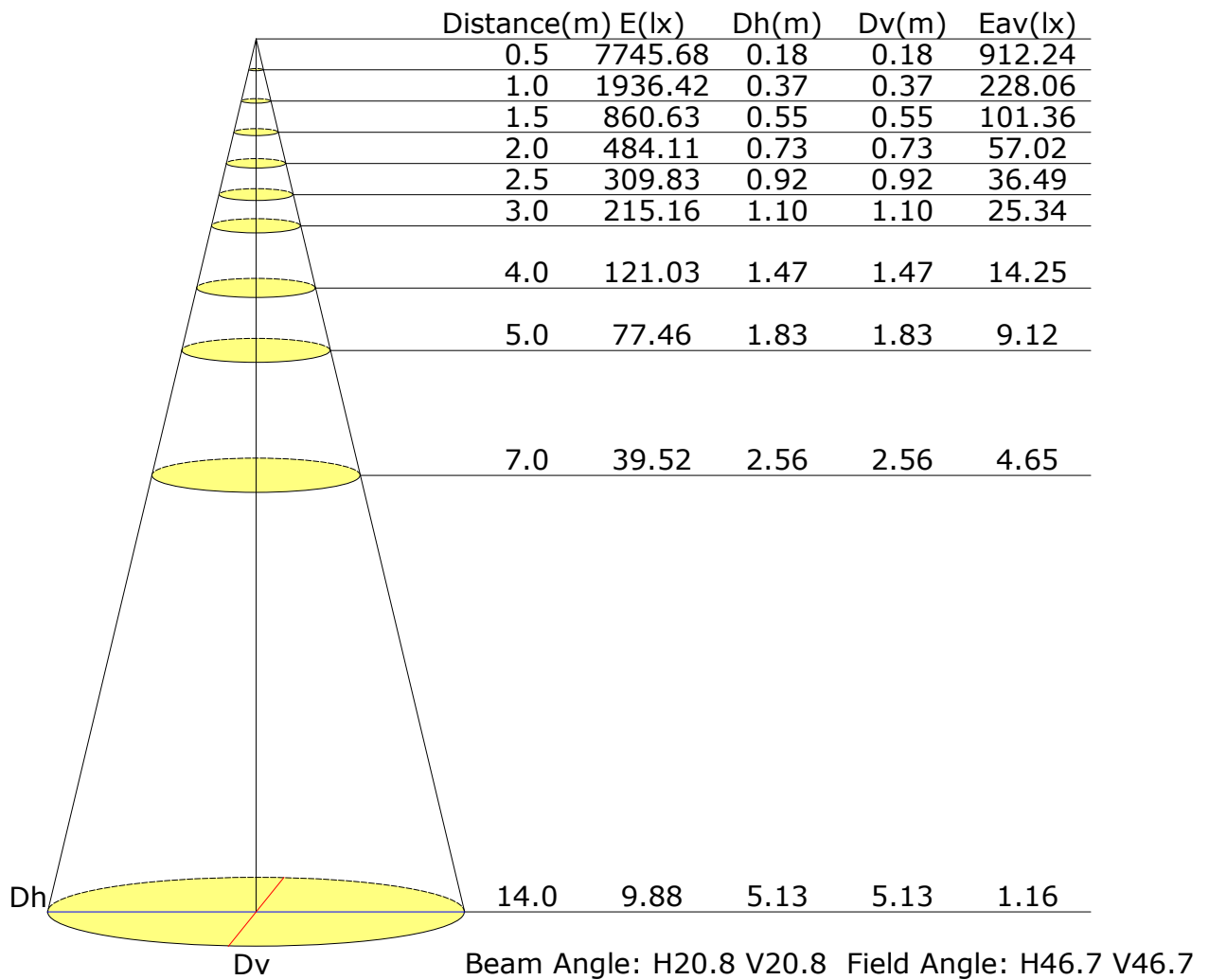
Test Device: CHL-6E

Distance: 3.000 m

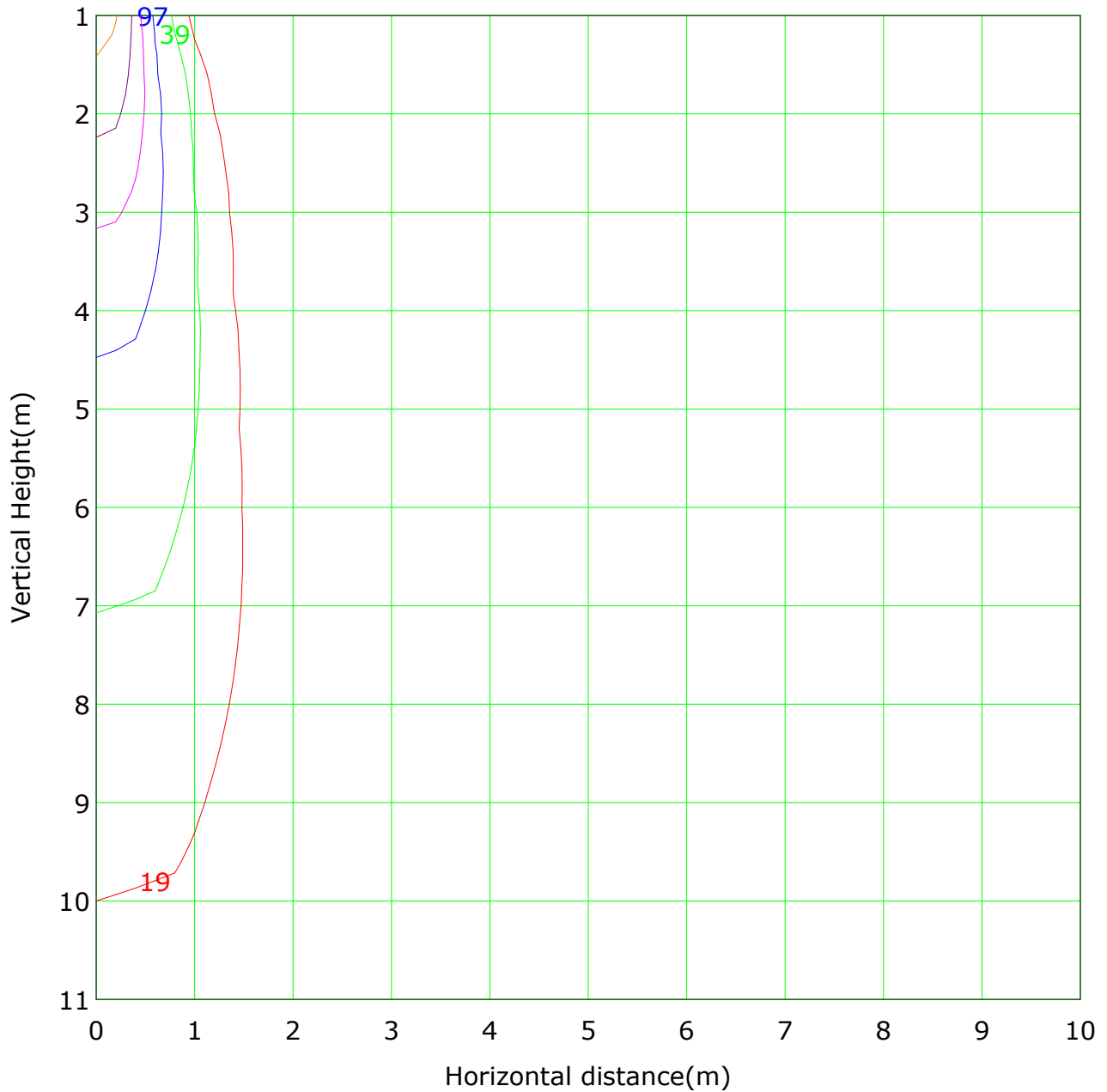
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



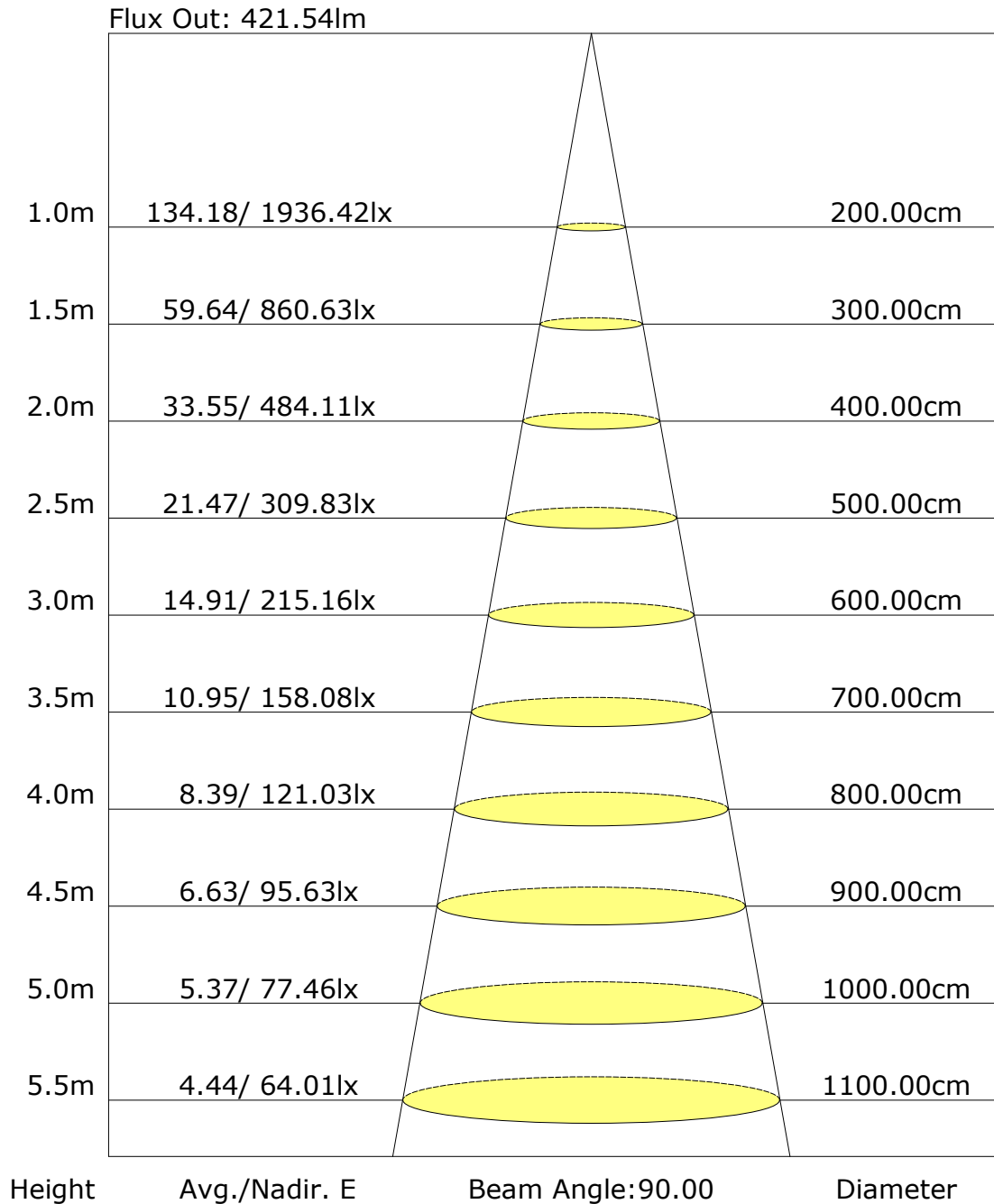
Lowest(m): 1m    Highest(m): 11    Max Lux: 1936

( 1%): 19 lx	( 2%): 39 lx
( 5%): 97 lx	( 10%): 194 lx
( 20%): 387 lx	( 50%): 968 lx
(100%): 1936 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: