

Report No.: 56.06511 EMMA Downlight

Test Time: 2023-09-09 15:11

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 219.1 V

Current: 0.109 A

Power: 24 W

Power Factor: 0.974

## Photometric Results

CIE Class: Direct

Measurement Flux: 2963 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H50.3

Vertical Diffuse Angle(50%): V50.3

Luminaire Efficacy Rating (LER): 120

Max. Intensity: 3947.74 cd

Total Rated Lamp Lumens: 2963 lm

Efficiency: 100%

Upward Ratio: 0%

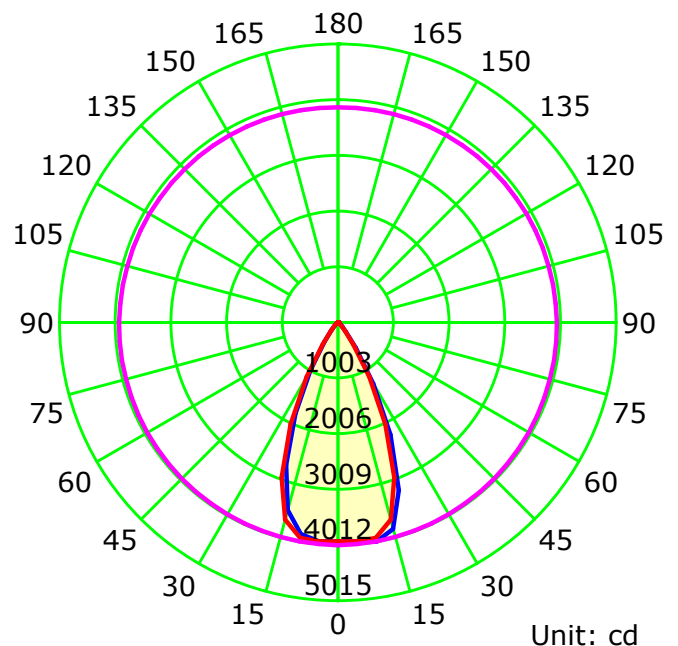
Central Intensity: 3947.74 cd

Pos of Max. Intensity: H0 V10

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G10

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

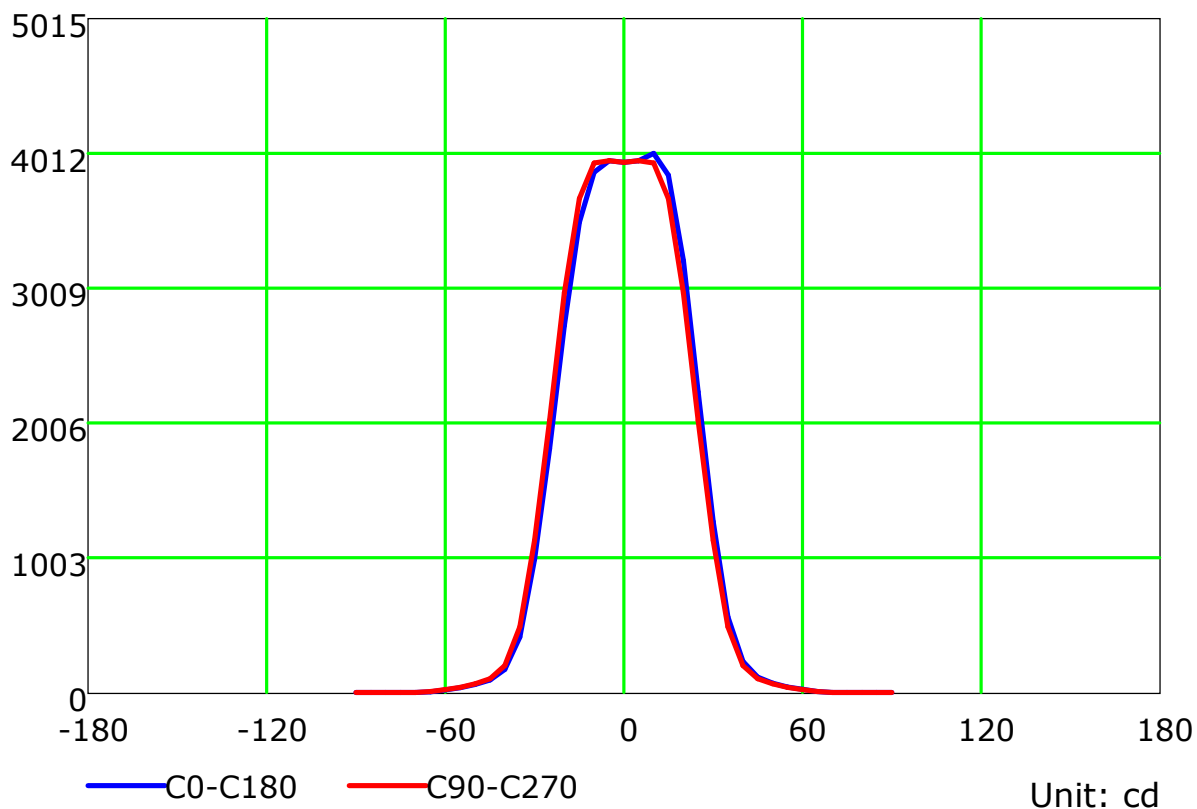
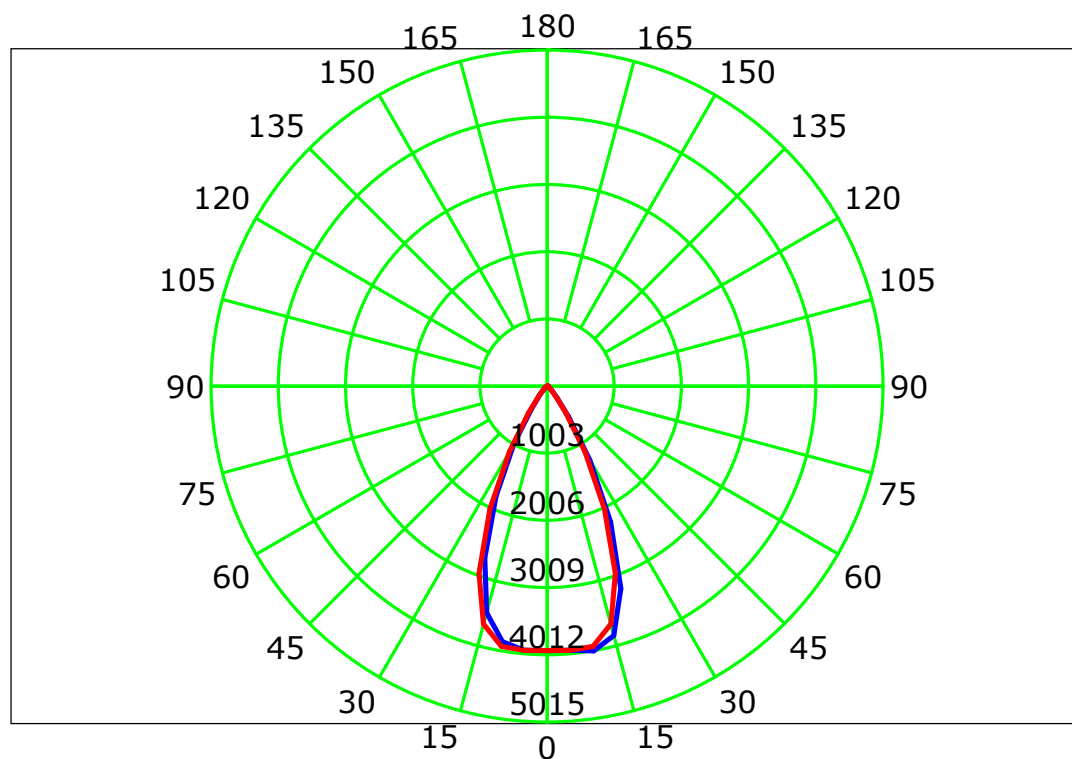
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

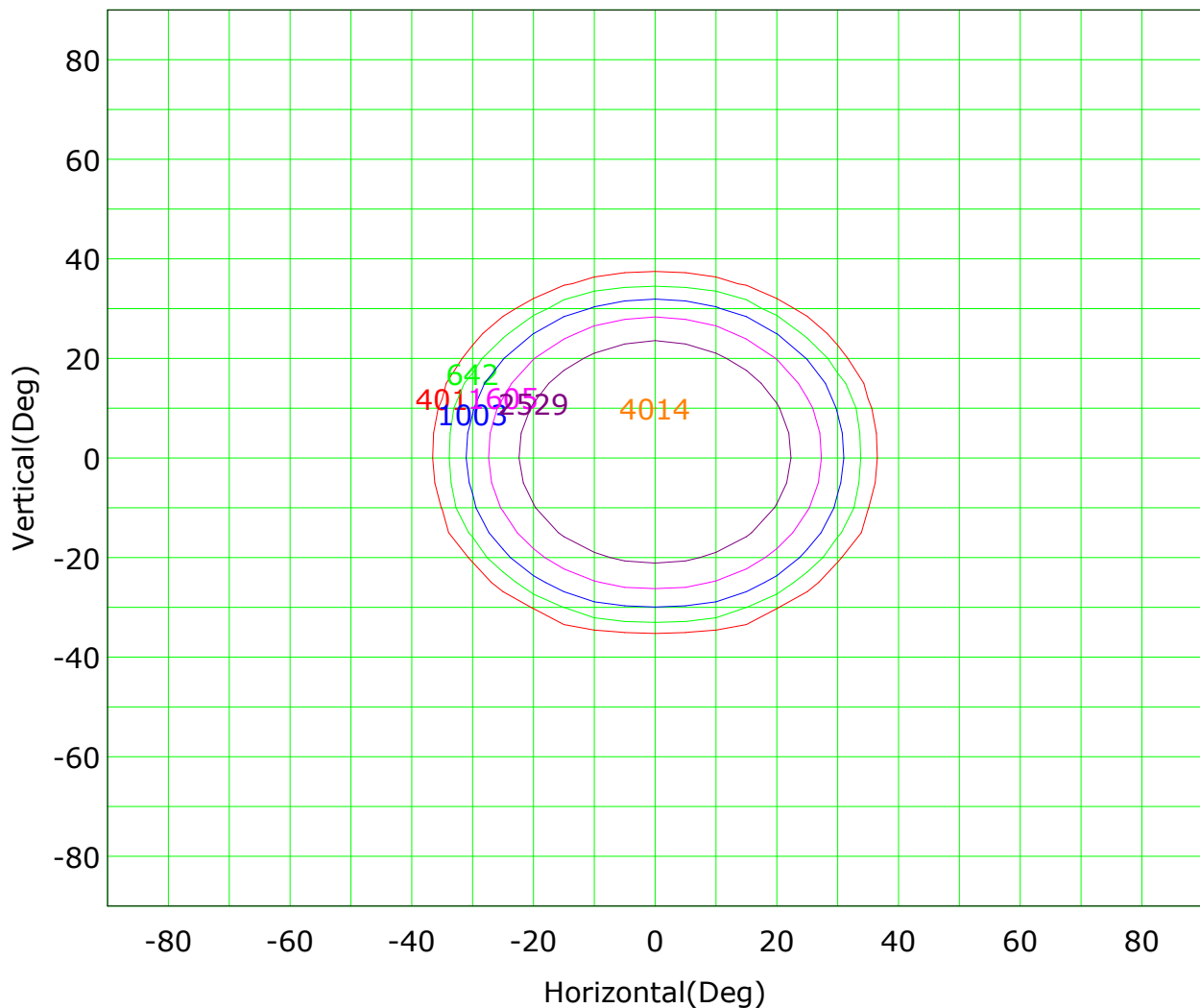
## Luminous Intensity Distribution Curve



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%): 4014 cd

( 10%): 401 cd	( 16%): 642 cd
( 25%): 1003 cd	( 40%): 1605 cd
( 63%): 2529 cd	(100%): 4014 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

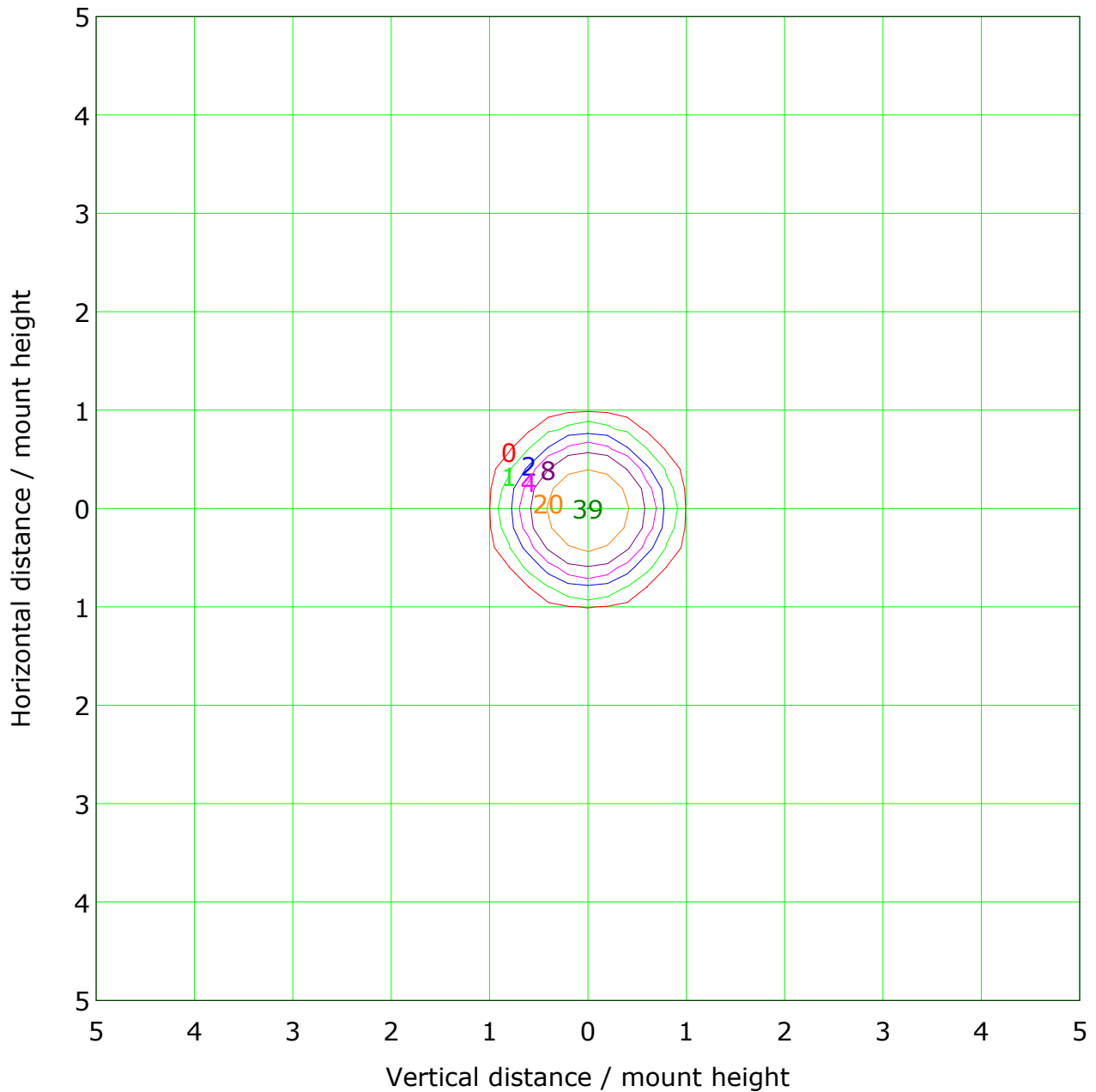
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 39 lx

( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	4 lx
( 20%):	8 lx	( 50%):	20 lx
(100%):	39 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

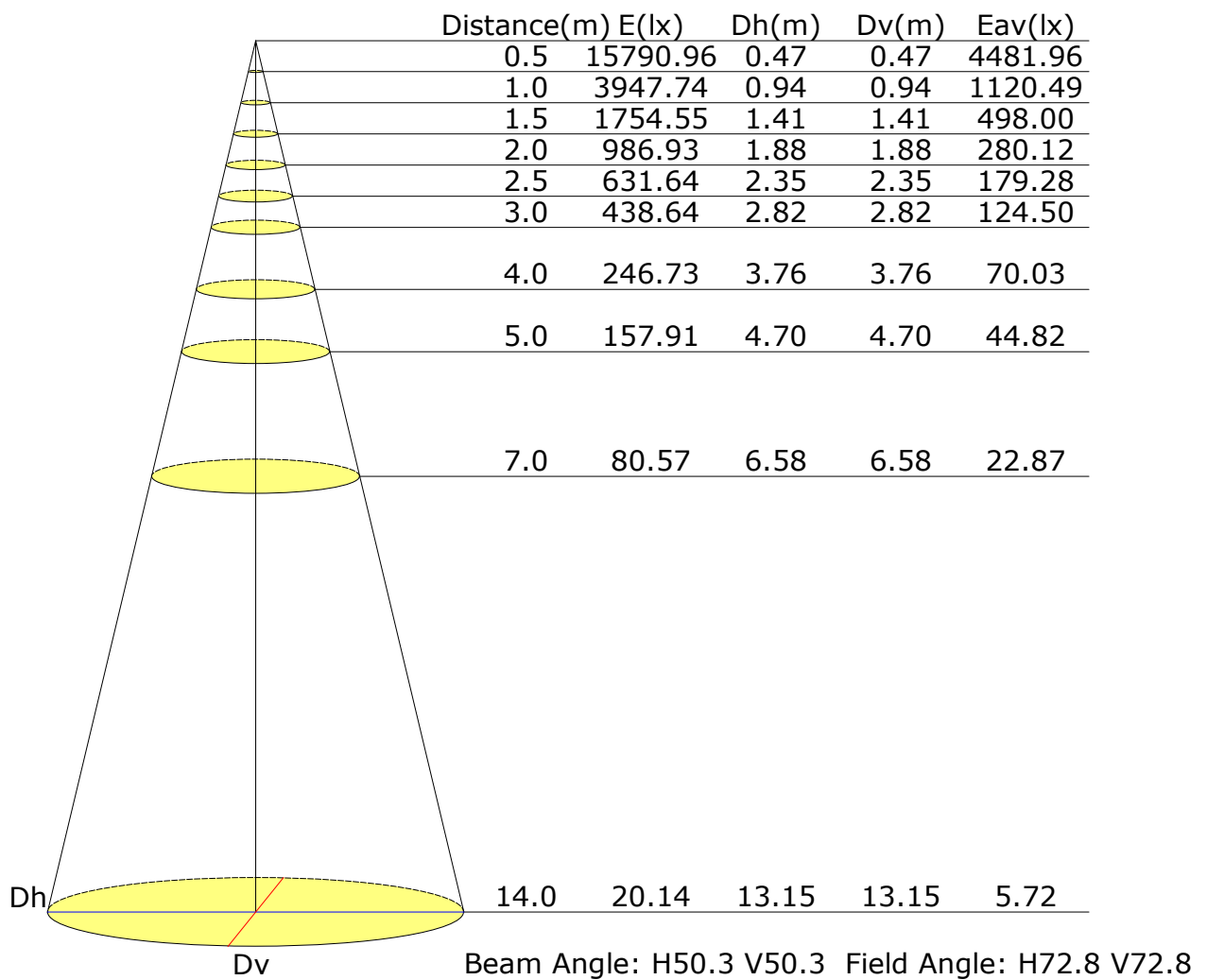
Test Device: CHL-6E

Distance: 3.000 m

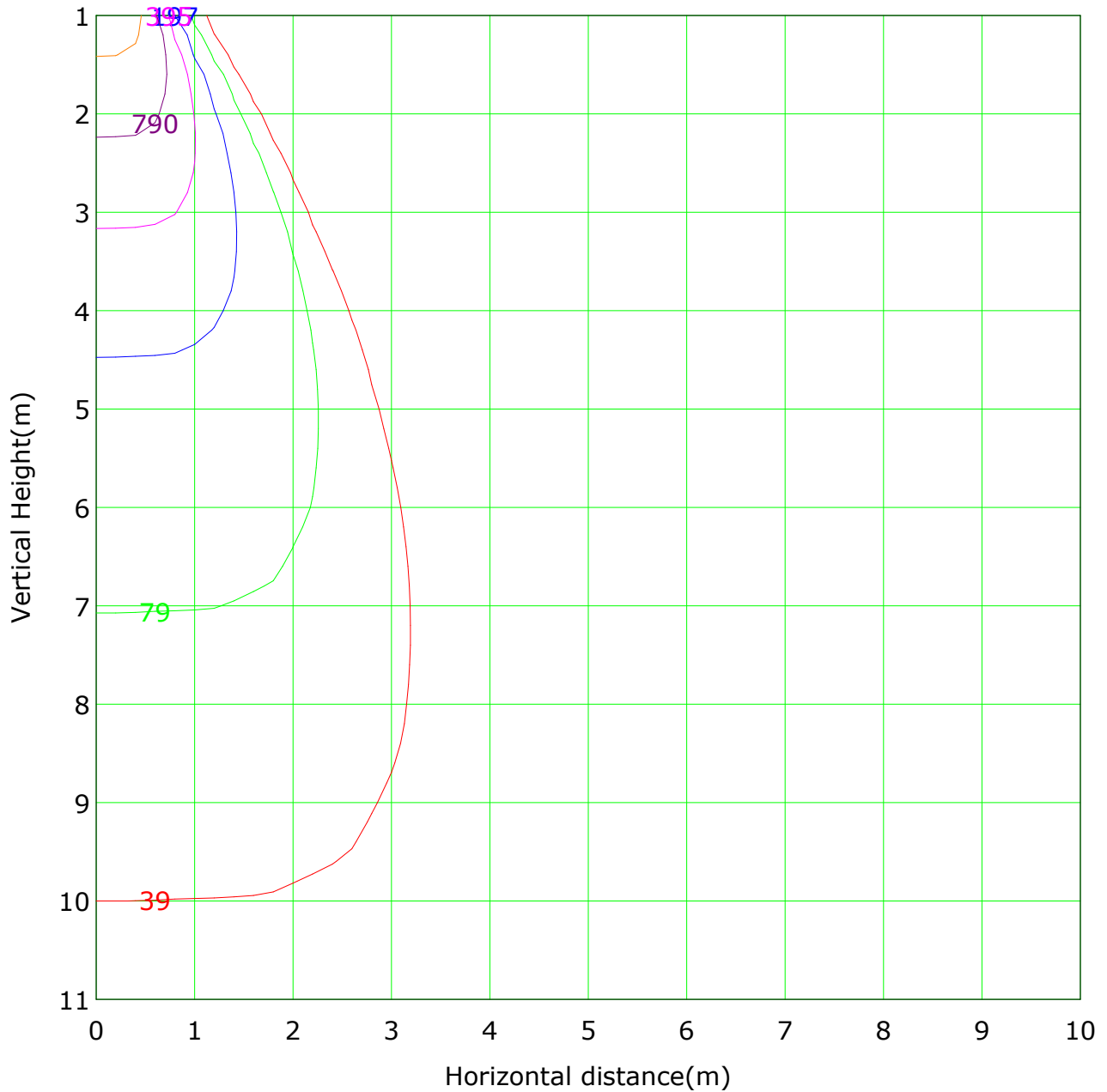
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



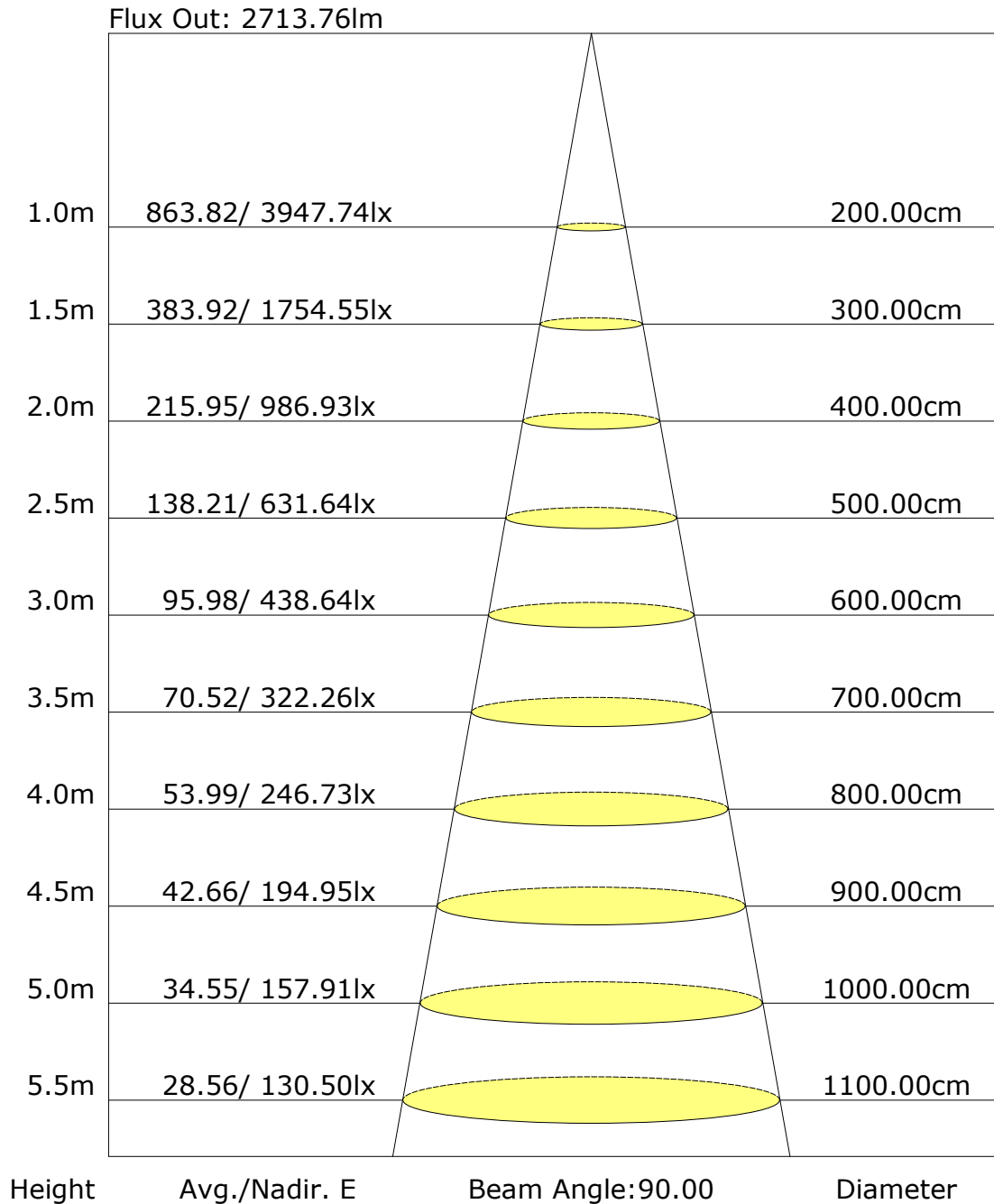
Lowest(m): 1m    Highest(m): 11    Max Lux: 3948

( 1%): 39 lx	( 2%): 79 lx
( 5%): 197 lx	( 10%): 395 lx
( 20%): 790 lx	( 50%): 1974 lx
(100%): 3948 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: