

Report No.:56.05517 Recessed Downlight    Test Time: 2023-06-30 21:21

## Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Luminaire Description: FOS 65 15D

Voltage: 222.6 V

Power: 24.10 W

Lamp Description: Citizen 1204 3000K CRI90

Current: 0.112 A

Power Factor: 0.966

## Photometric Results

CIE Class: Direct

Measurement Flux: 2222.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.2

Vertical Diffuse Angle(50%): V17.2

Luminaire Efficacy Rating (LER): 92

Max. Intensity: 17895 cd

Total Rated Lamp Lumens: 2222.9 lm

Efficiency: 100%

Upward Ratio: 0%

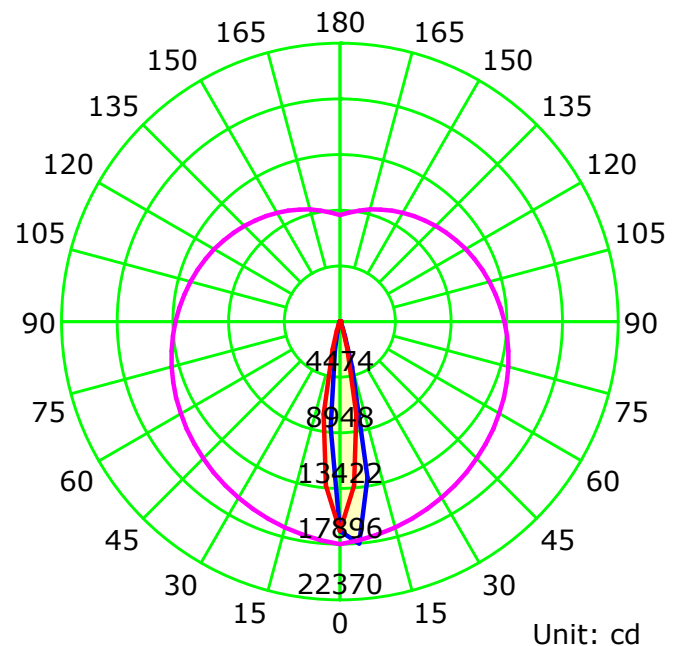
Central Intensity: 16821.2 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180    — C90-C270    — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

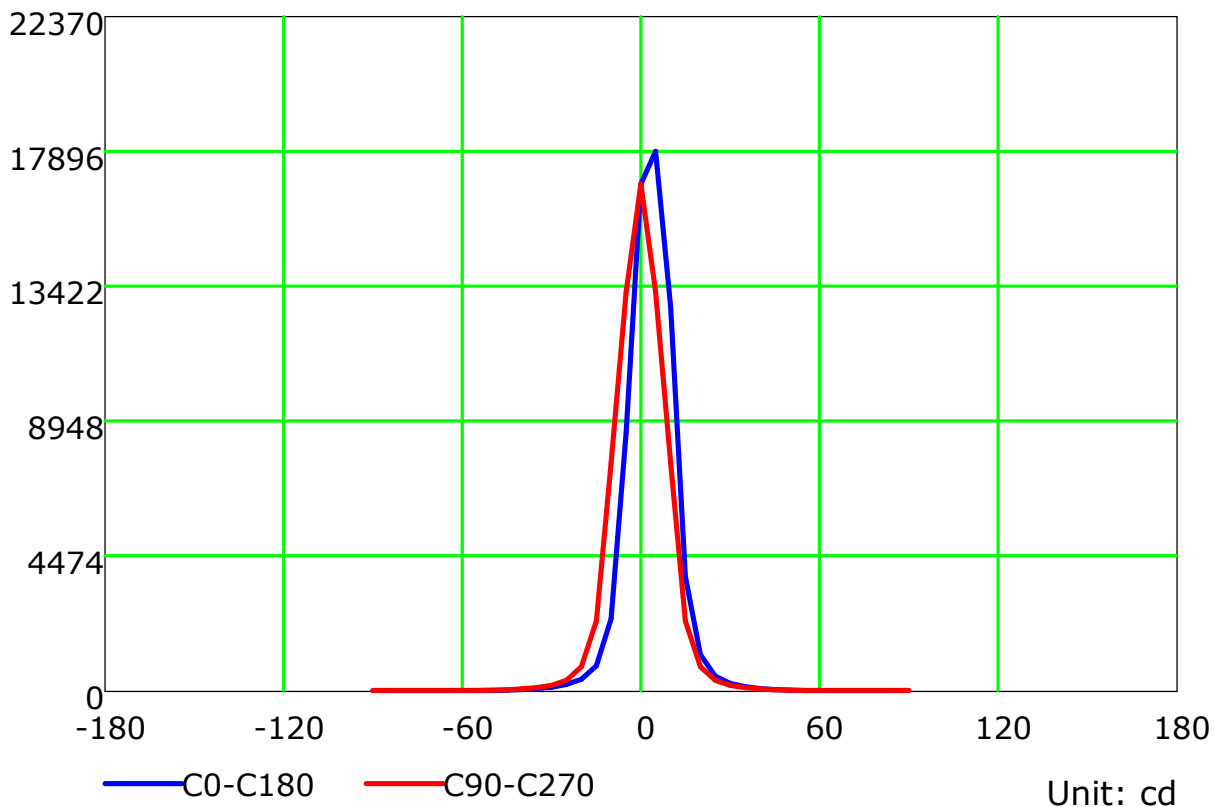
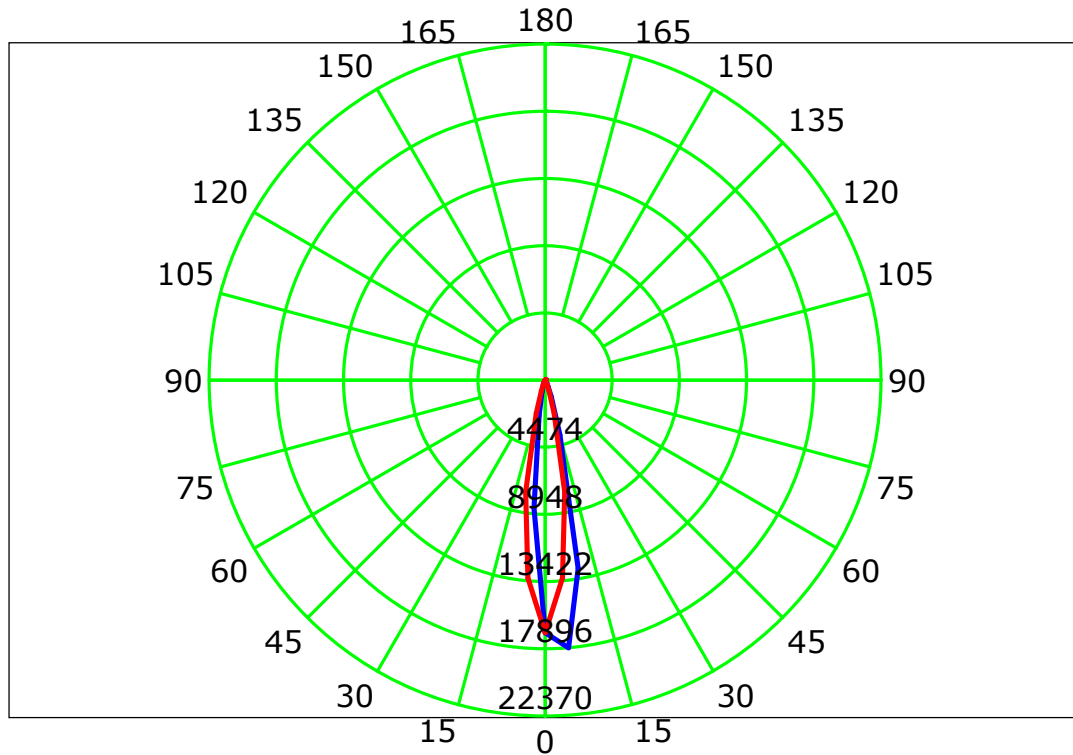
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

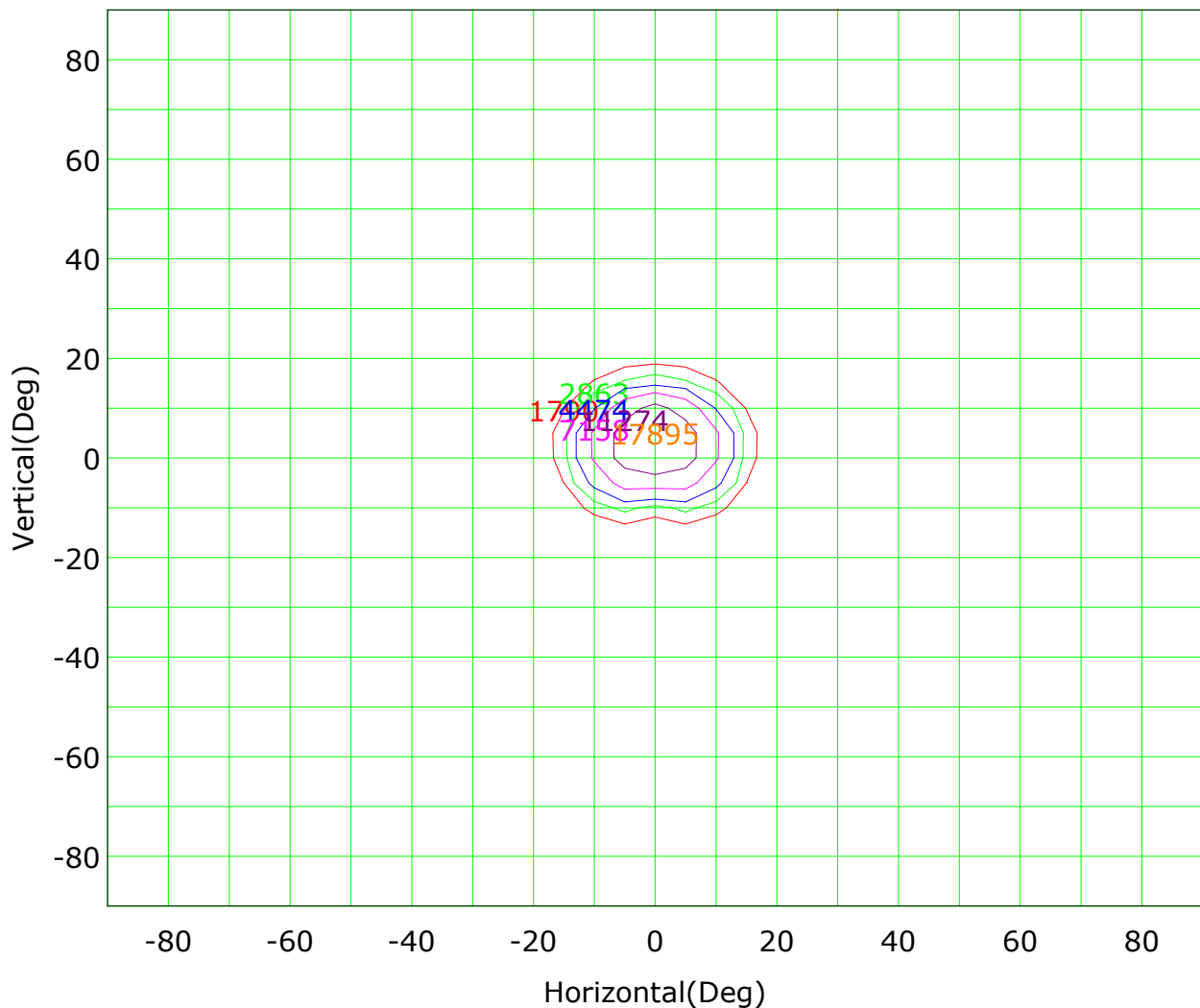
## Luminous Intensity Distribution Curve



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%): 17895 cd

( 10%): 1790 cd	( 16%): 2863 cd
( 25%): 4474 cd	( 40%): 7158 cd
( 63%): 11274 cd	(100%): 17895 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

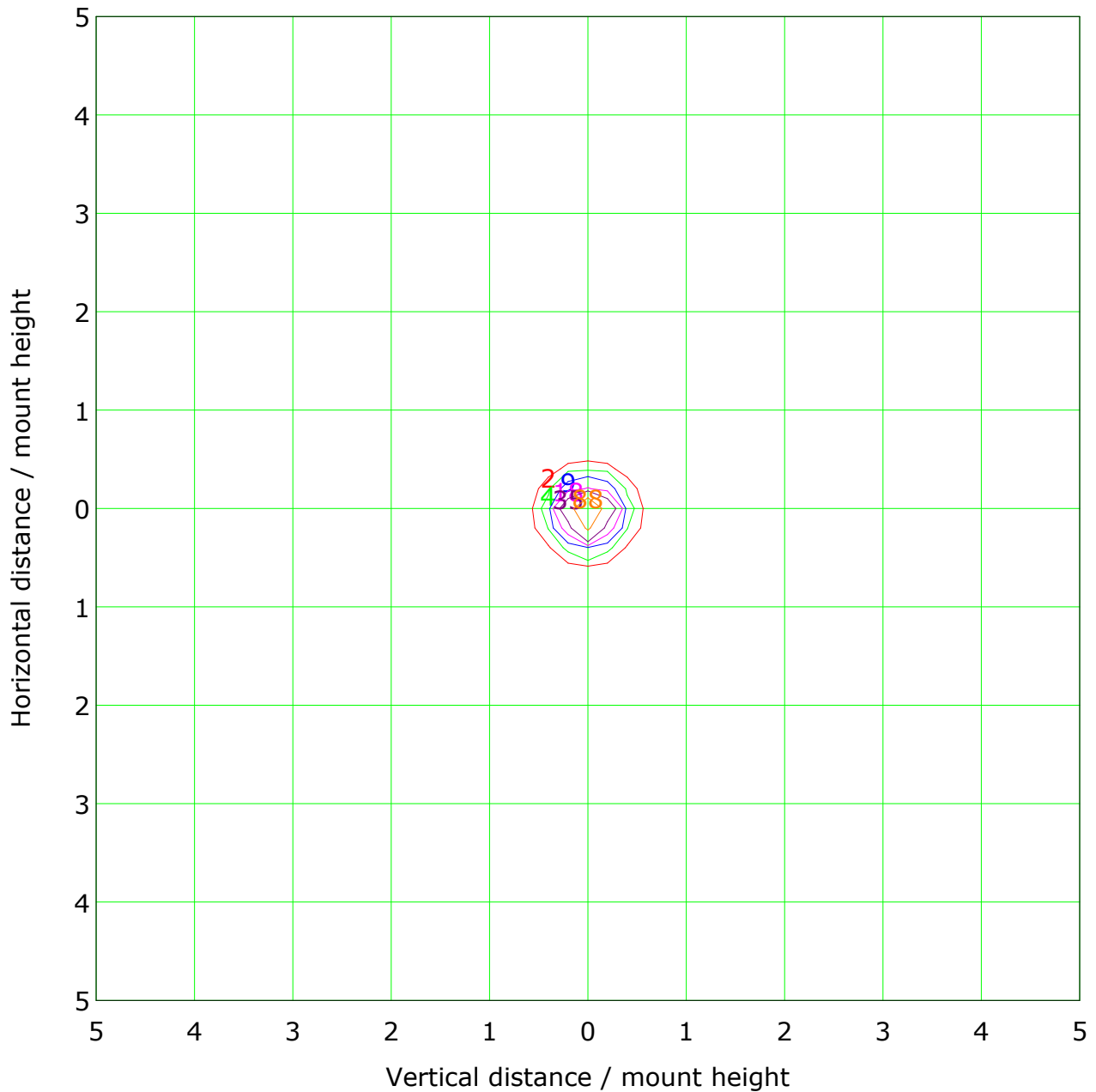
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

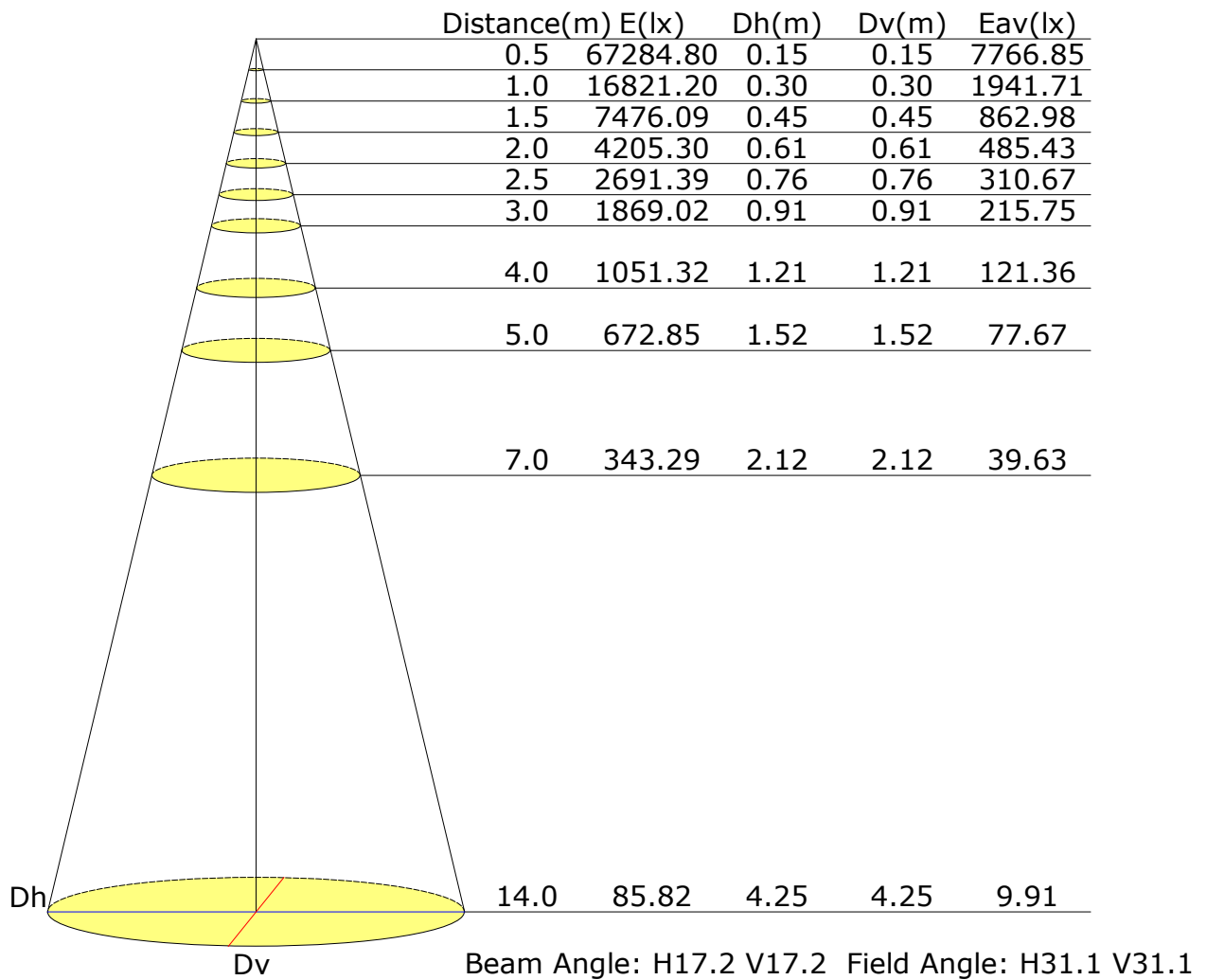


Mounting Height: 10m		Max Lux(100%): 177 lx	
( 1%):	2 lx	( 2%):	4 lx
( 5%):	9 lx	( 10%):	18 lx
( 20%):	35 lx	( 50%):	88 lx
(100%):	177 lx		

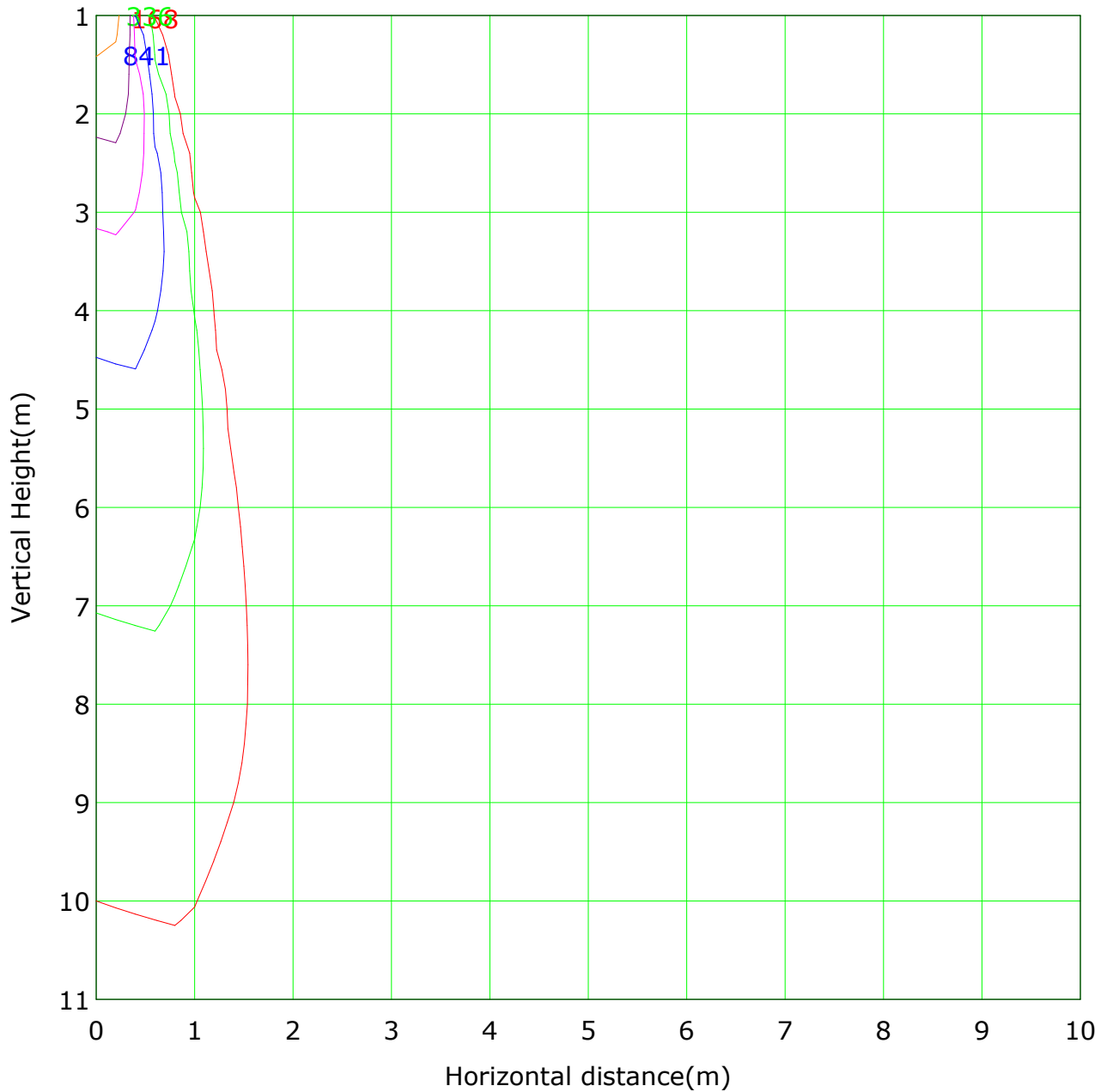
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

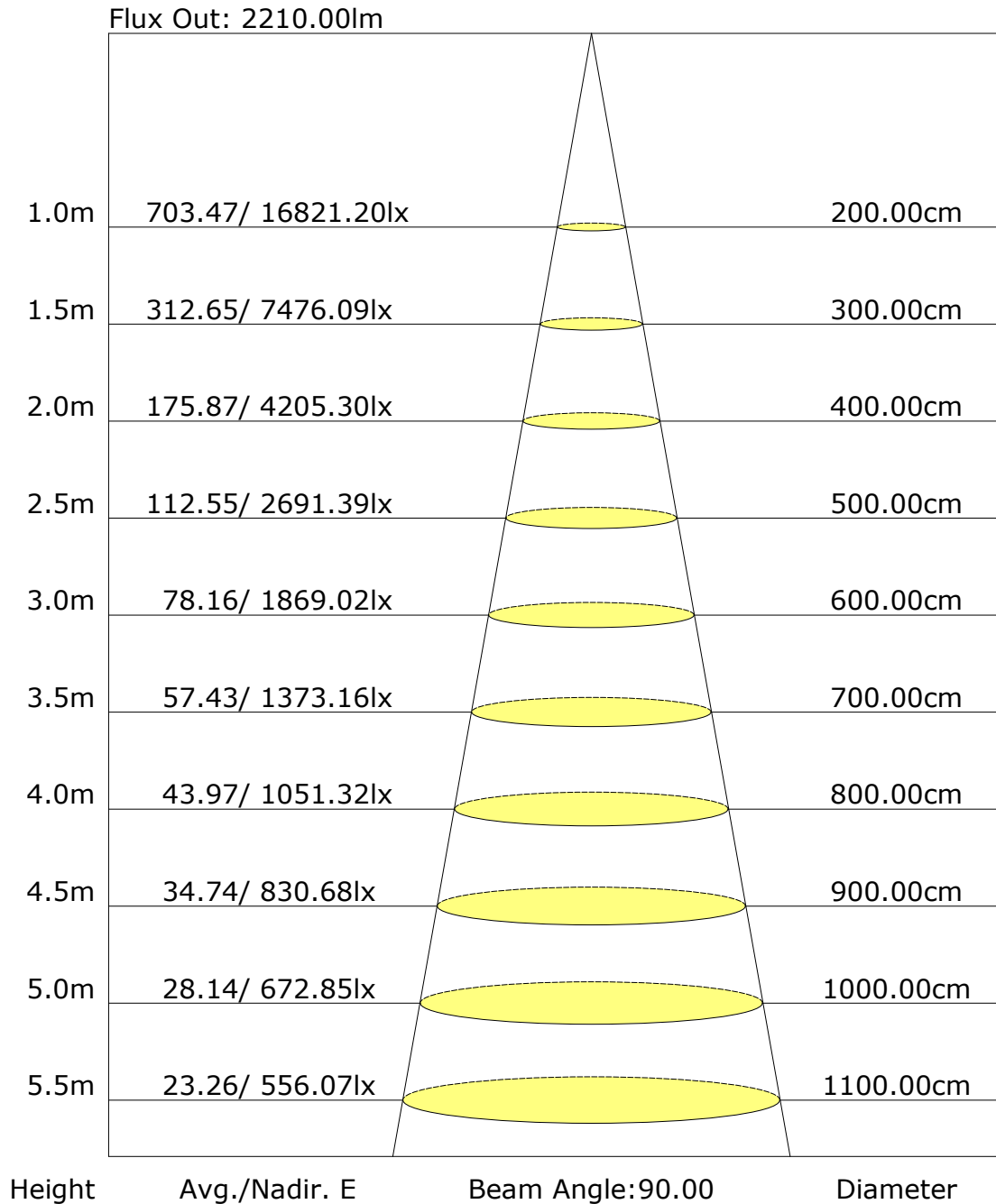


Lowest(m): 1m    Highest(m): 11    Max Lux: 16821  
— ( 1%): 168 lx                      — ( 2%): 336 lx  
— ( 5%): 841 lx                        — ( 10%): 1682 lx  
— ( 20%): 3364 lx                    — ( 50%): 8411 lx  
— (100%): 16821 lx

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:

## Zonal Lumen

[illegible]

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:



## Candlepower Table

Unit: cd

[illegible]

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: