

Report No.: 52.09526 SILO Downlight

Test Time: 2023-01-05 14:25

## Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 218.4 V

Current: 0.105 A

Power: 20.10 W

Power Factor: 0.873

## Photometric Results

CIE Class: Direct

Measurement Flux: 1458.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H19

Vertical Diffuse Angle(50%): V19

Luminaire Efficacy Rating (LER): 73

Max. Intensity: 9808.06 cd

Total Rated Lamp Lumens: 1458.2 lm

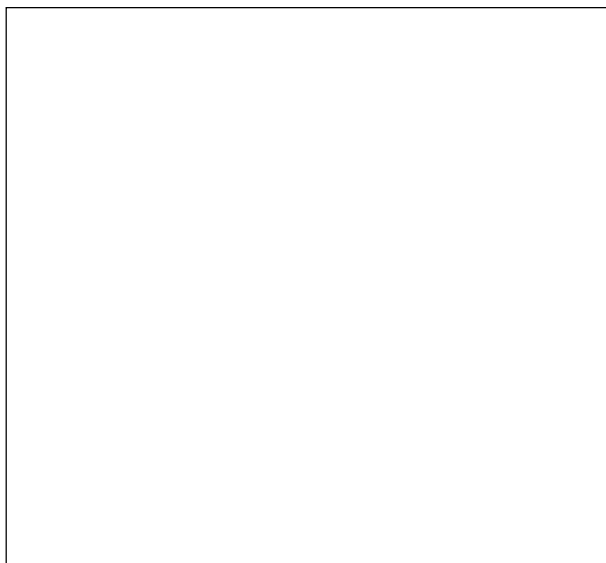
Efficiency: 100%

Upward Ratio: 0%

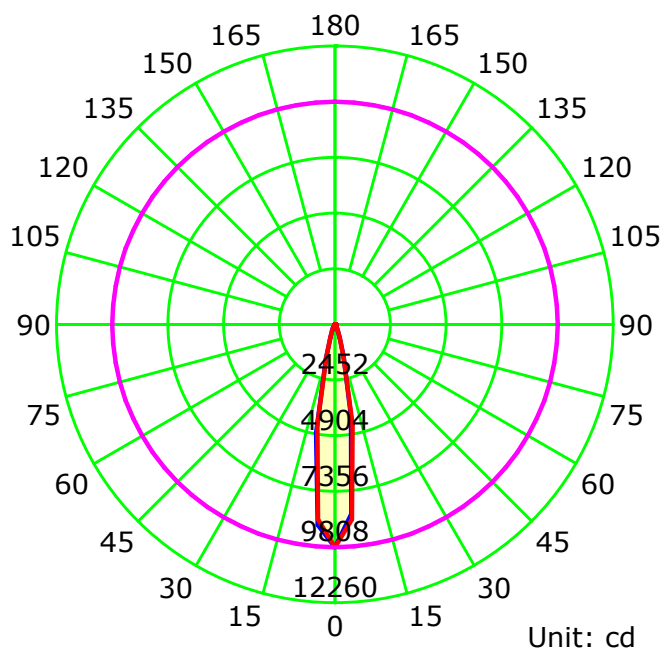
Central Intensity: 9808.06 cd

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

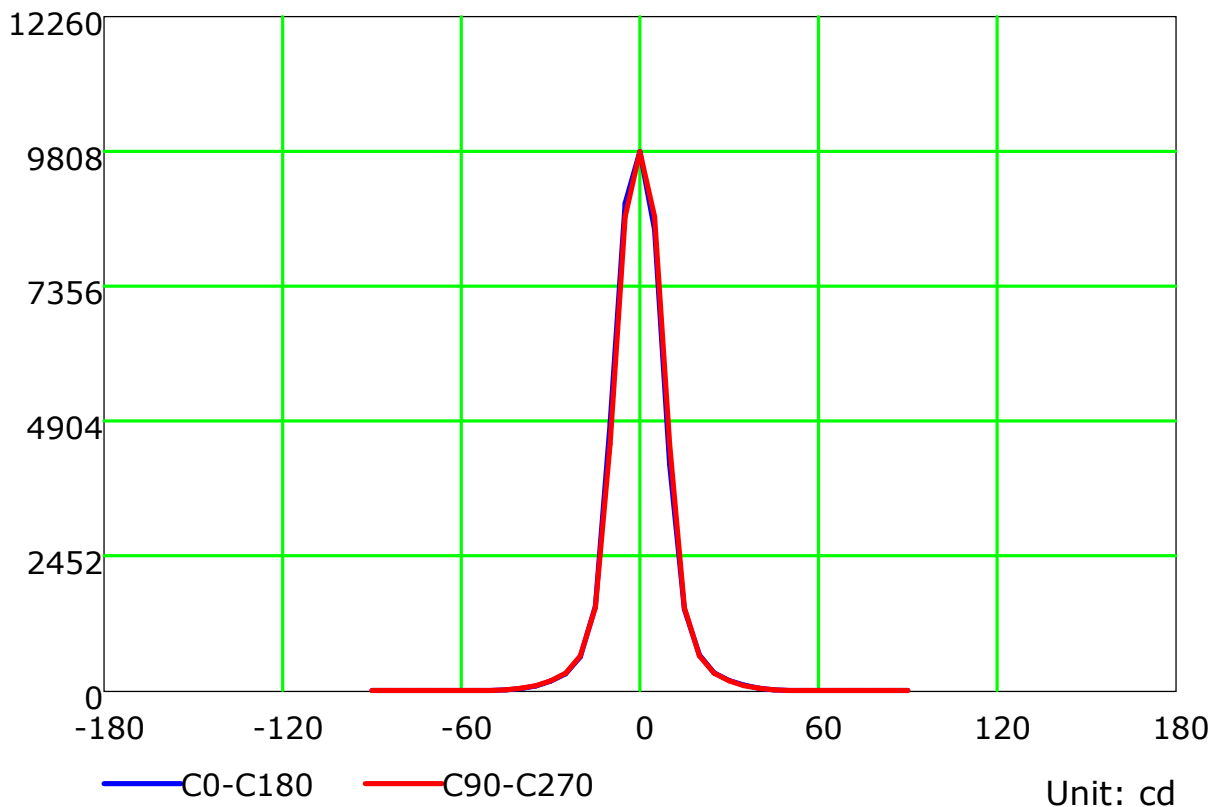
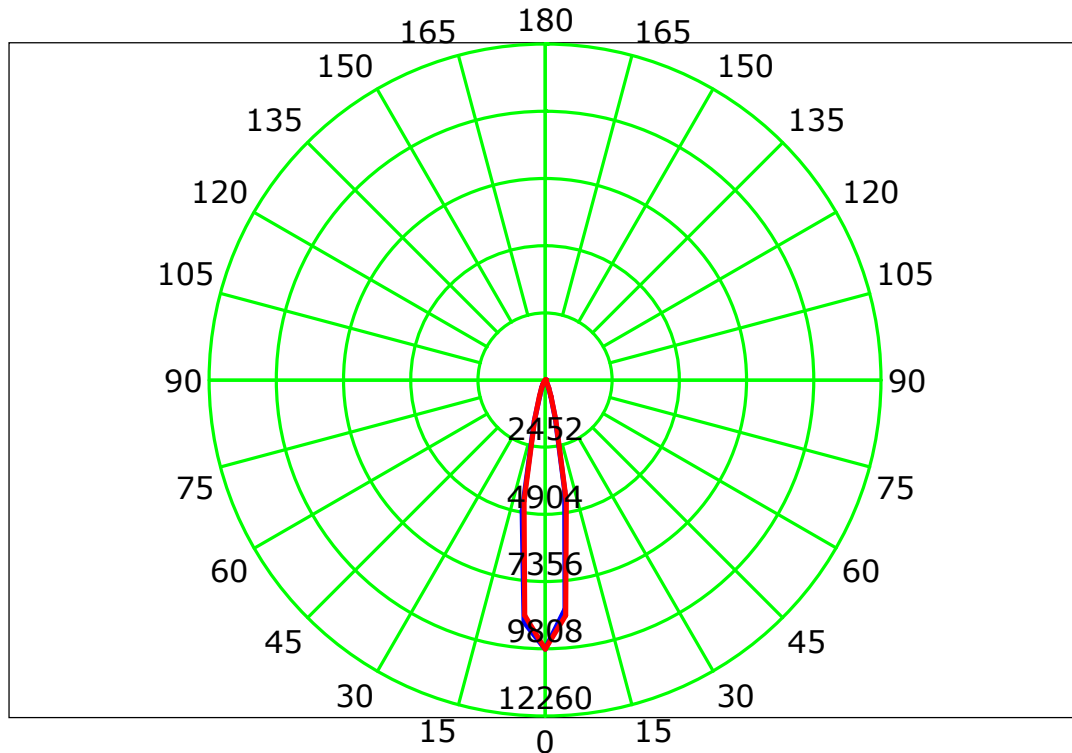
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

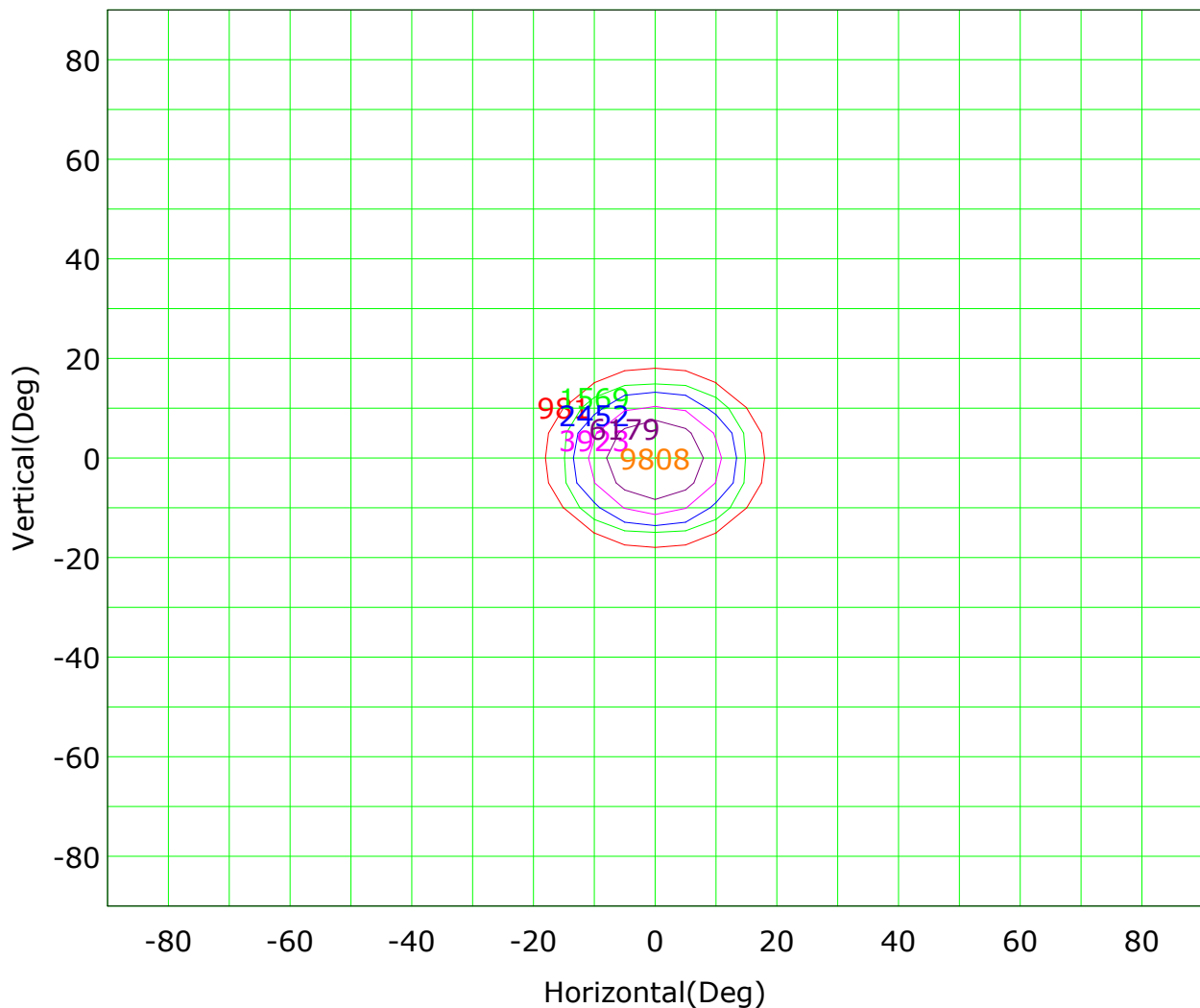
## Luminous Intensity Distribution Curve



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%): 9808 cd

( 10%): 981 cd	( 16%): 1569 cd
( 25%): 2452 cd	( 40%): 3923 cd
( 63%): 6179 cd	(100%): 9808 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

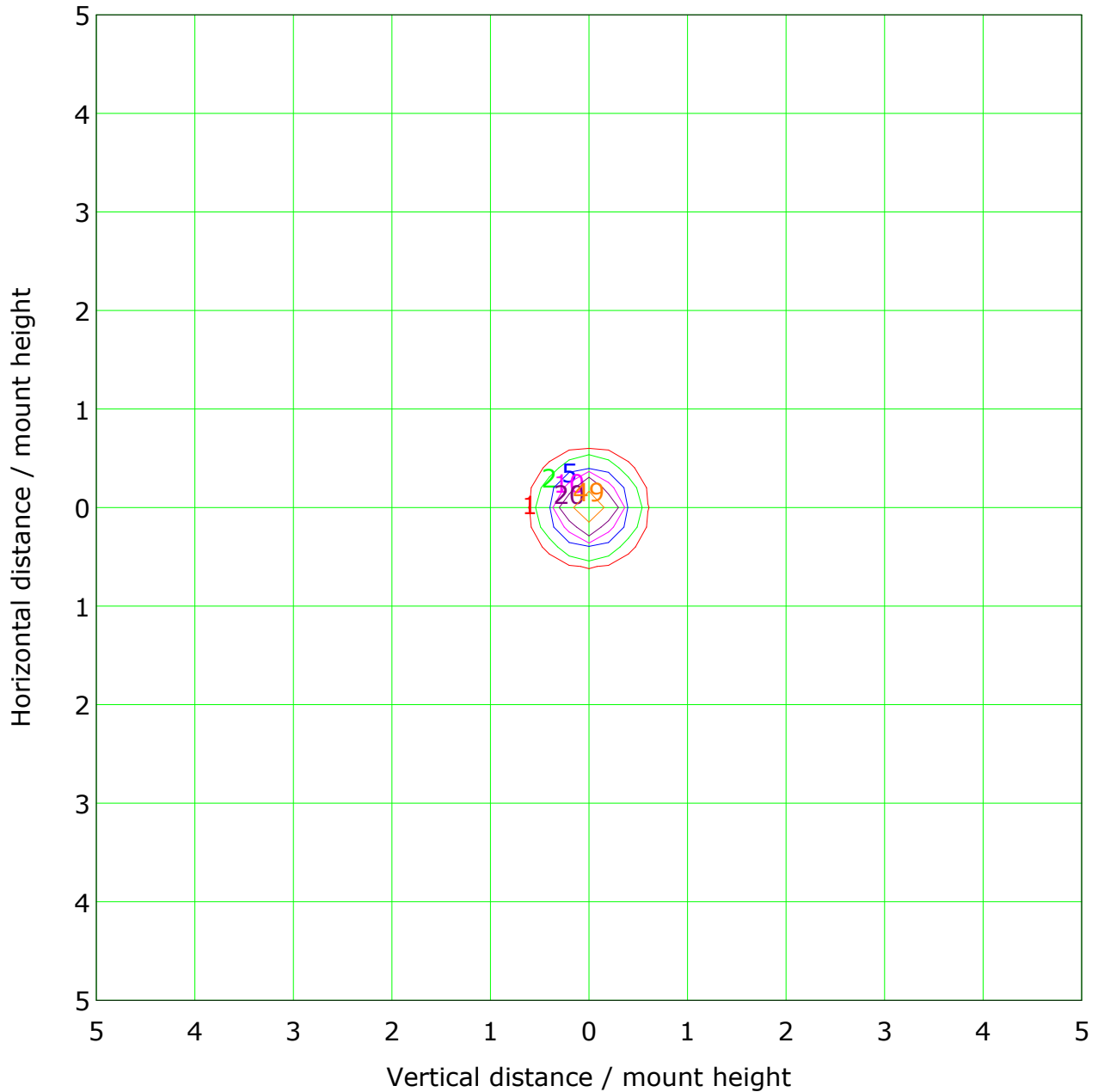
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 98 lx			
( 1%):	1 lx	( 2%):	2 lx
( 5%):	5 lx	( 10%):	10 lx
( 20%):	20 lx	( 50%):	49 lx
(100%):	98 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

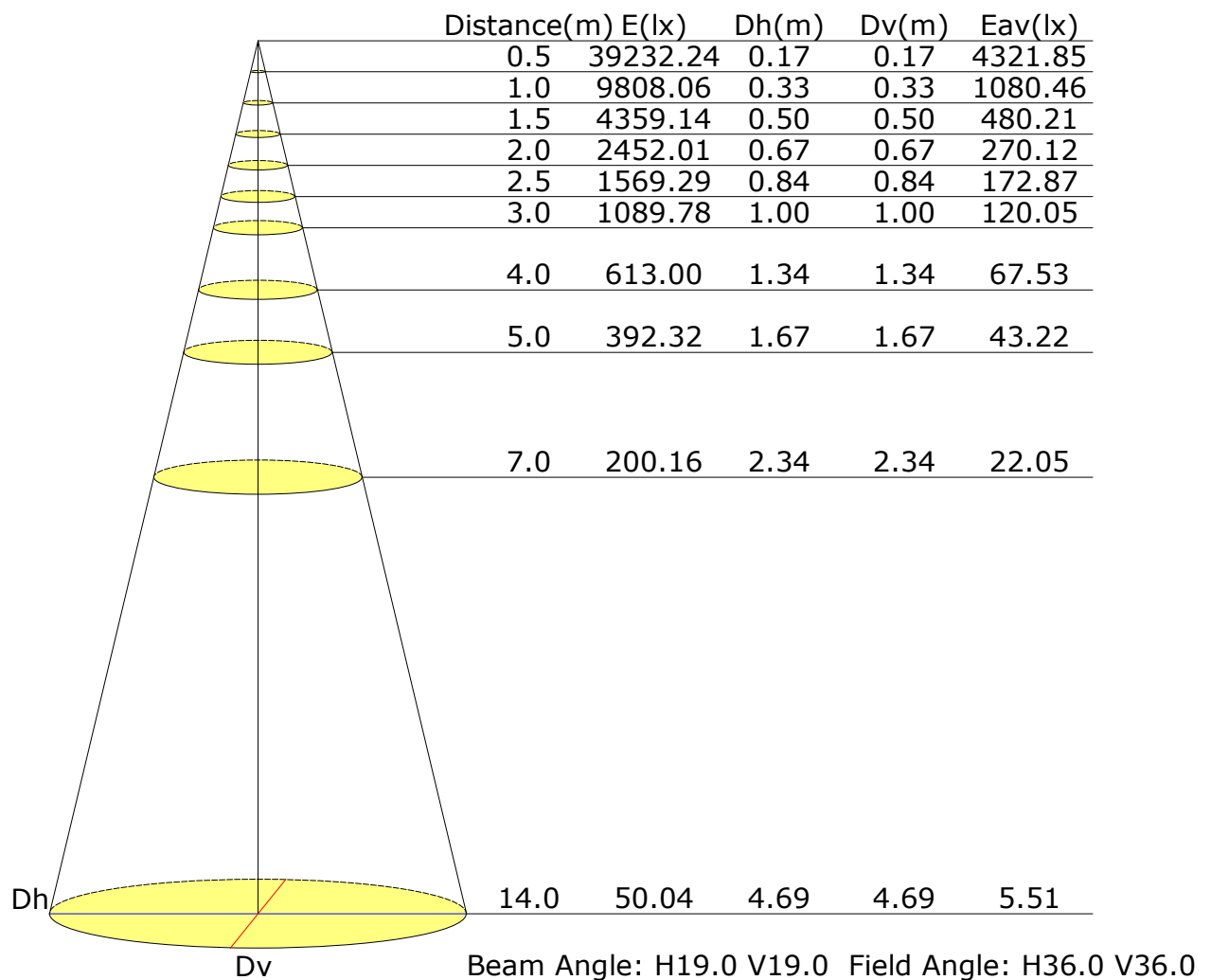
Test Device: CHL-6E

Distance: 3.000 m

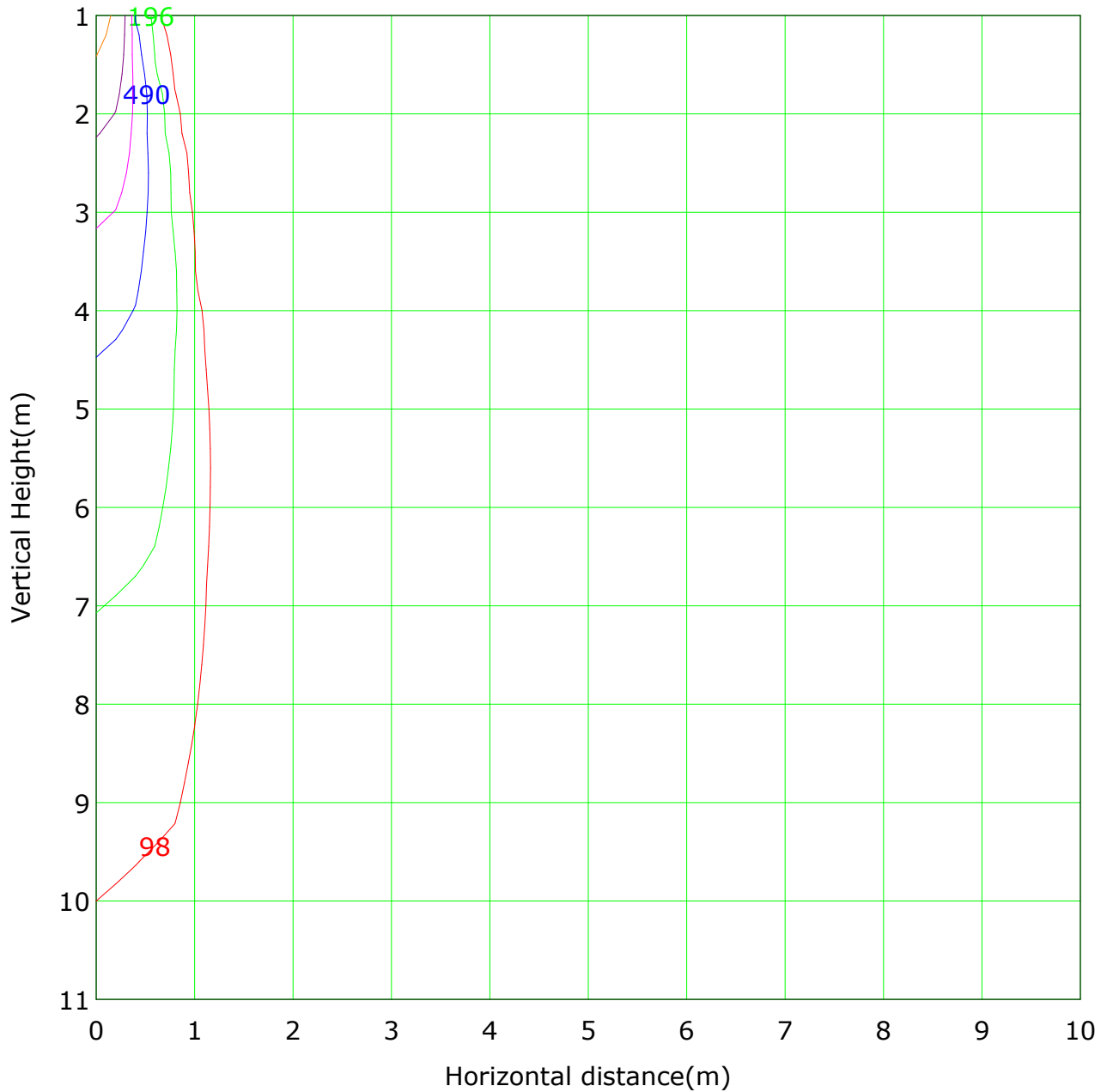
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 9808

( 1%): 98 lx	( 2%): 196 lx
( 5%): 490 lx	( 10%): 981 lx
( 20%): 1962 lx	( 50%): 4904 lx
(100%): 9808 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

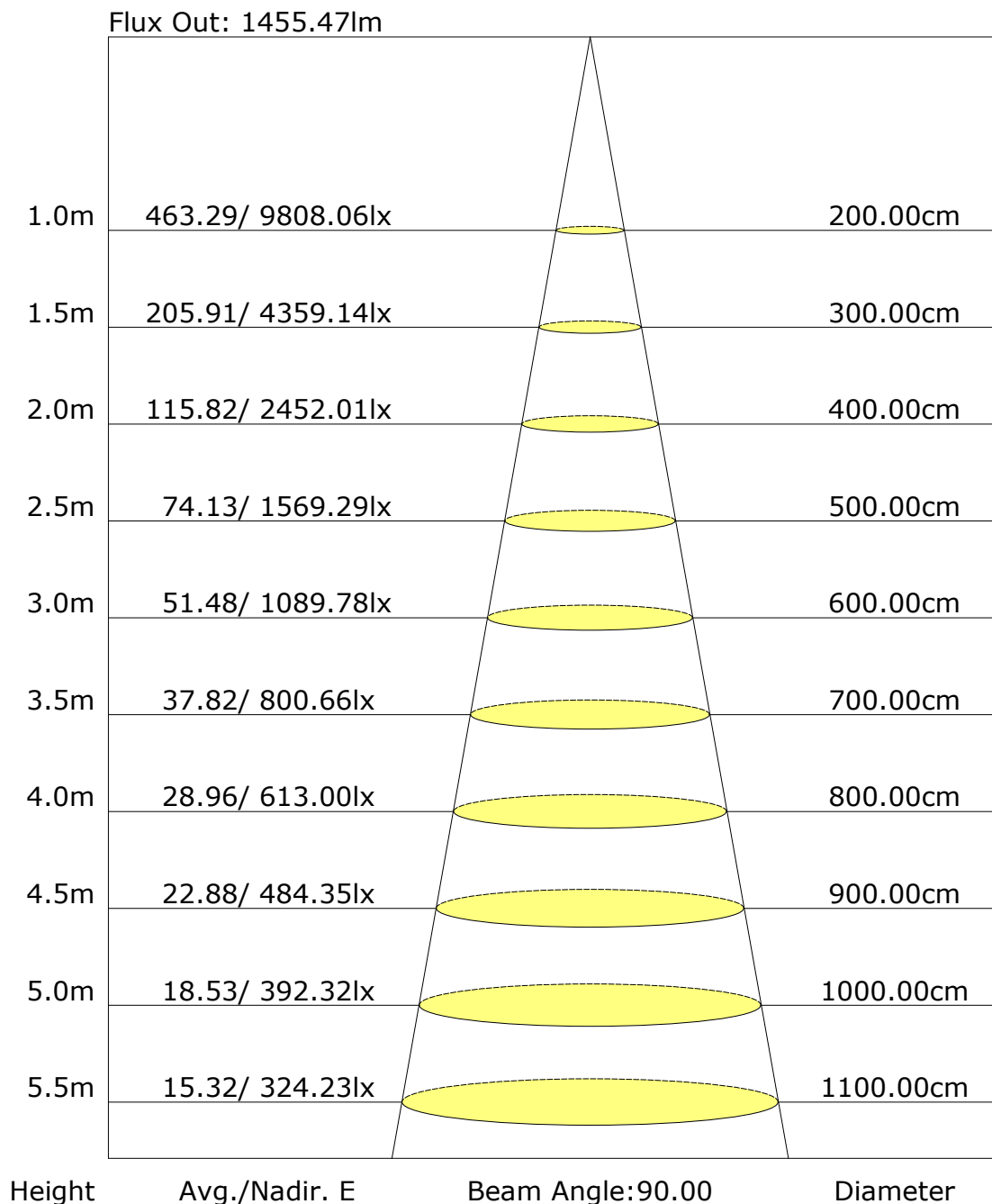
Test Device: CHL-6E

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: