

Report No.:56.03513 Recessed Downlight Test Time: 2023-06-30 19:46

## Luminaire Property

Luminaire Category: Citizen 1202 3000K CRI90

Luminaire Description: FOS 45 24D

Current: 0.118 A

Power Factor: 0.370

Voltage: 216.2 V

Power: 9.70 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 616.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H22.7

Vertical Diffuse Angle(50%): V22.7

Luminaire Efficacy Rating (LER): 64

Max. Intensity: 3264.96 cd

Total Rated Lamp Lumens: 616.7 lm

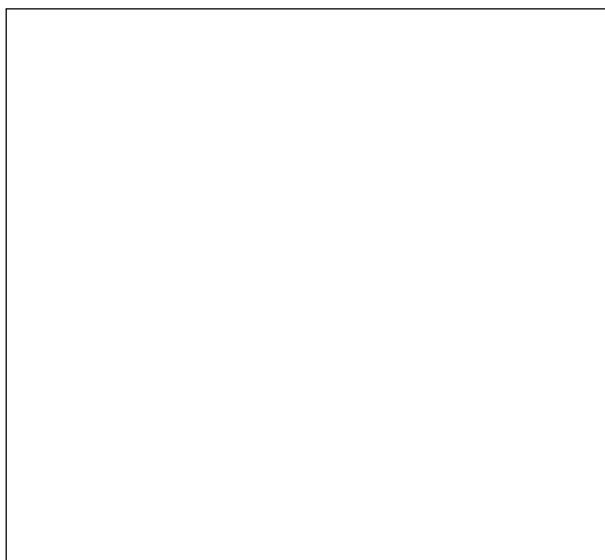
Efficiency: 100%

Upward Ratio: 0%

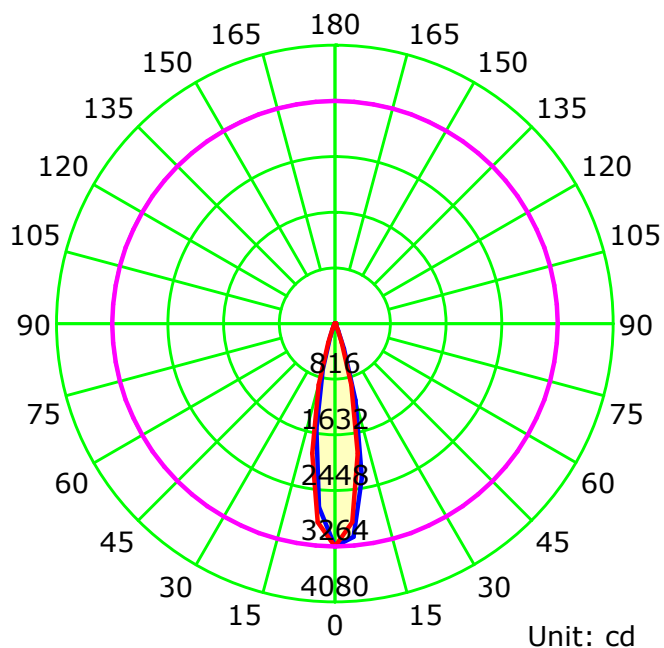
Central Intensity: 3264.96 cd

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

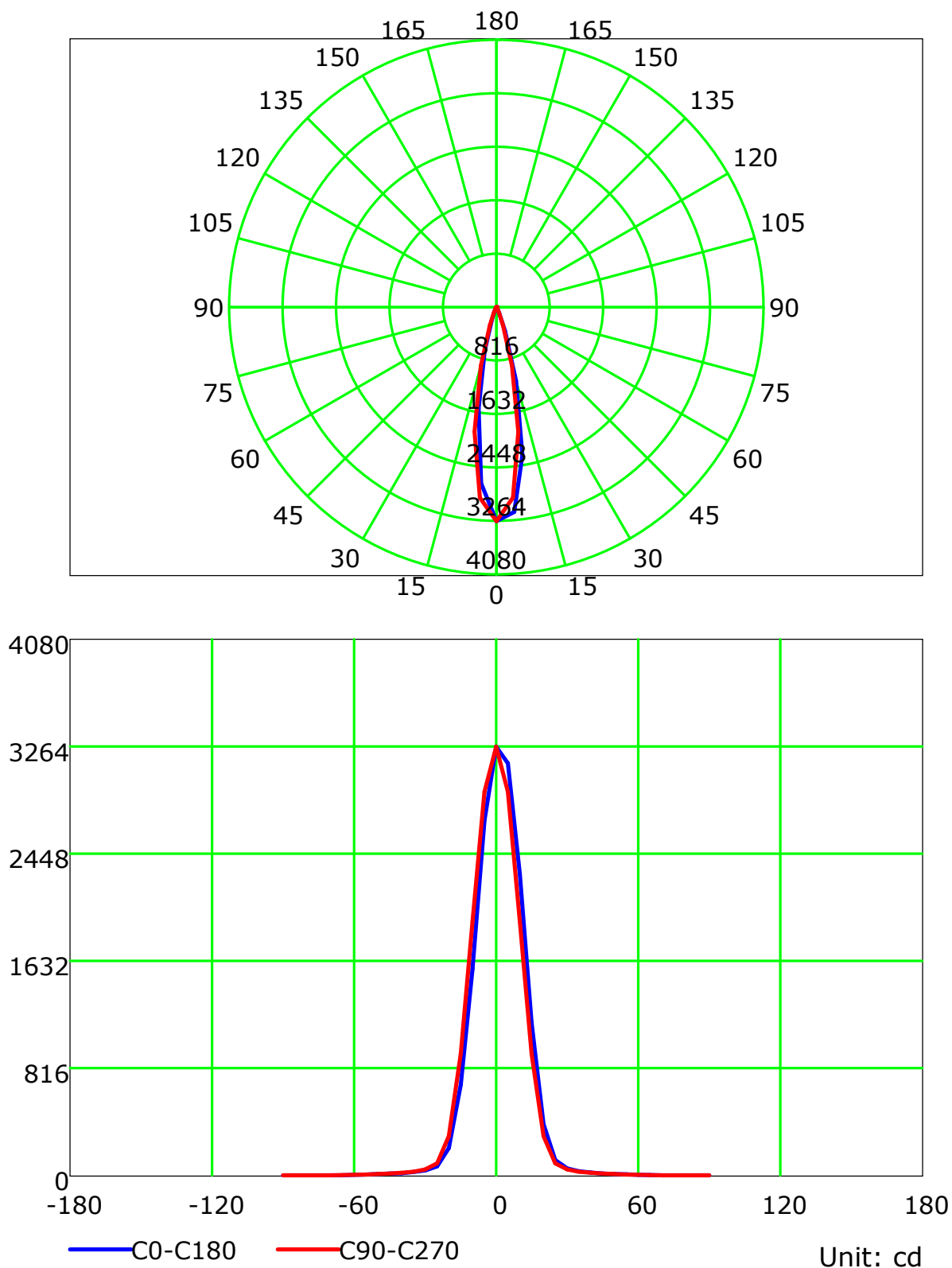
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

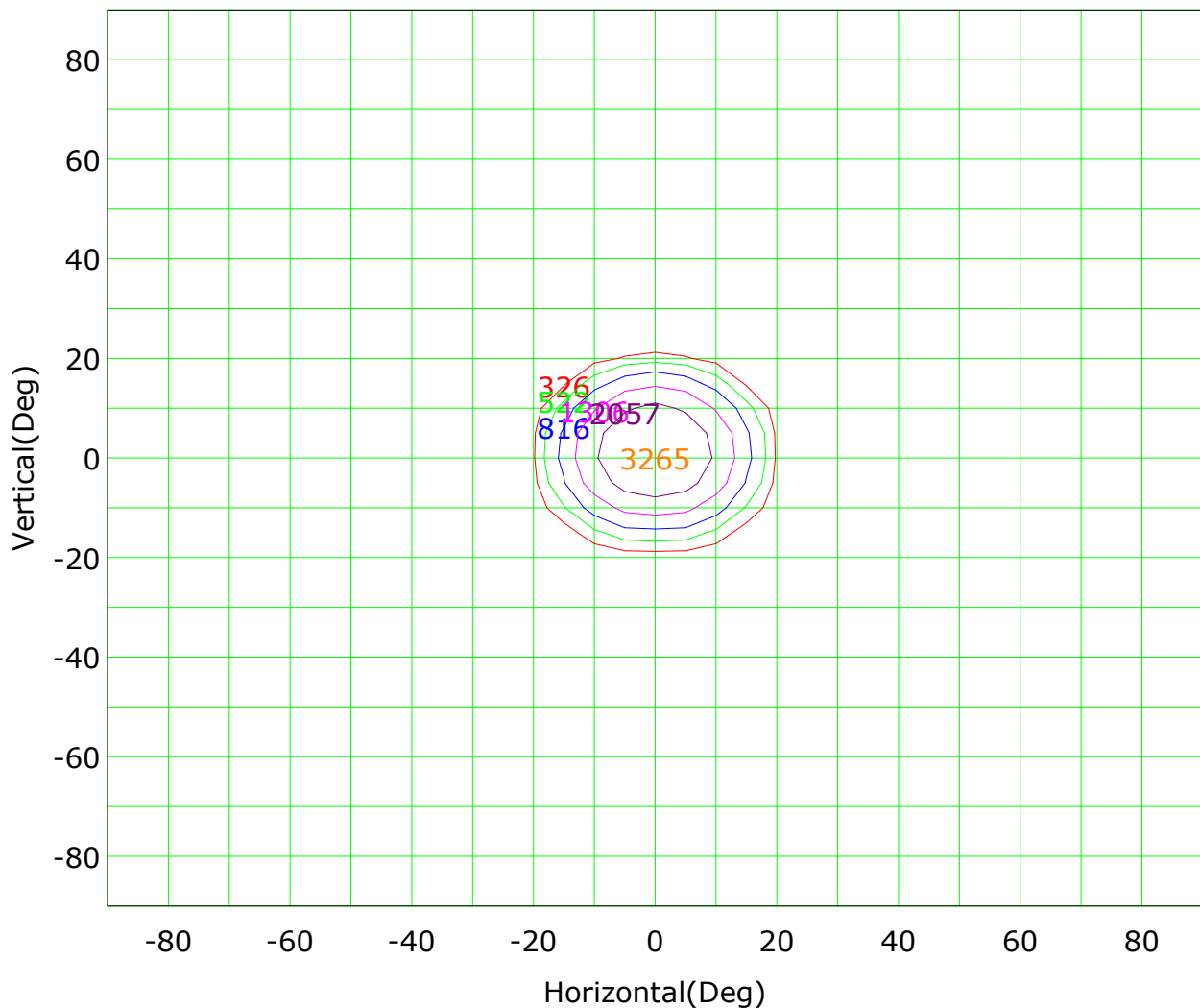
## Luminous Intensity Distribution Curve



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%): 3265 cd

( 10%): 326 cd	( 16%): 522 cd
( 25%): 816 cd	( 40%): 1306 cd
( 63%): 2057 cd	(100%): 3265 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

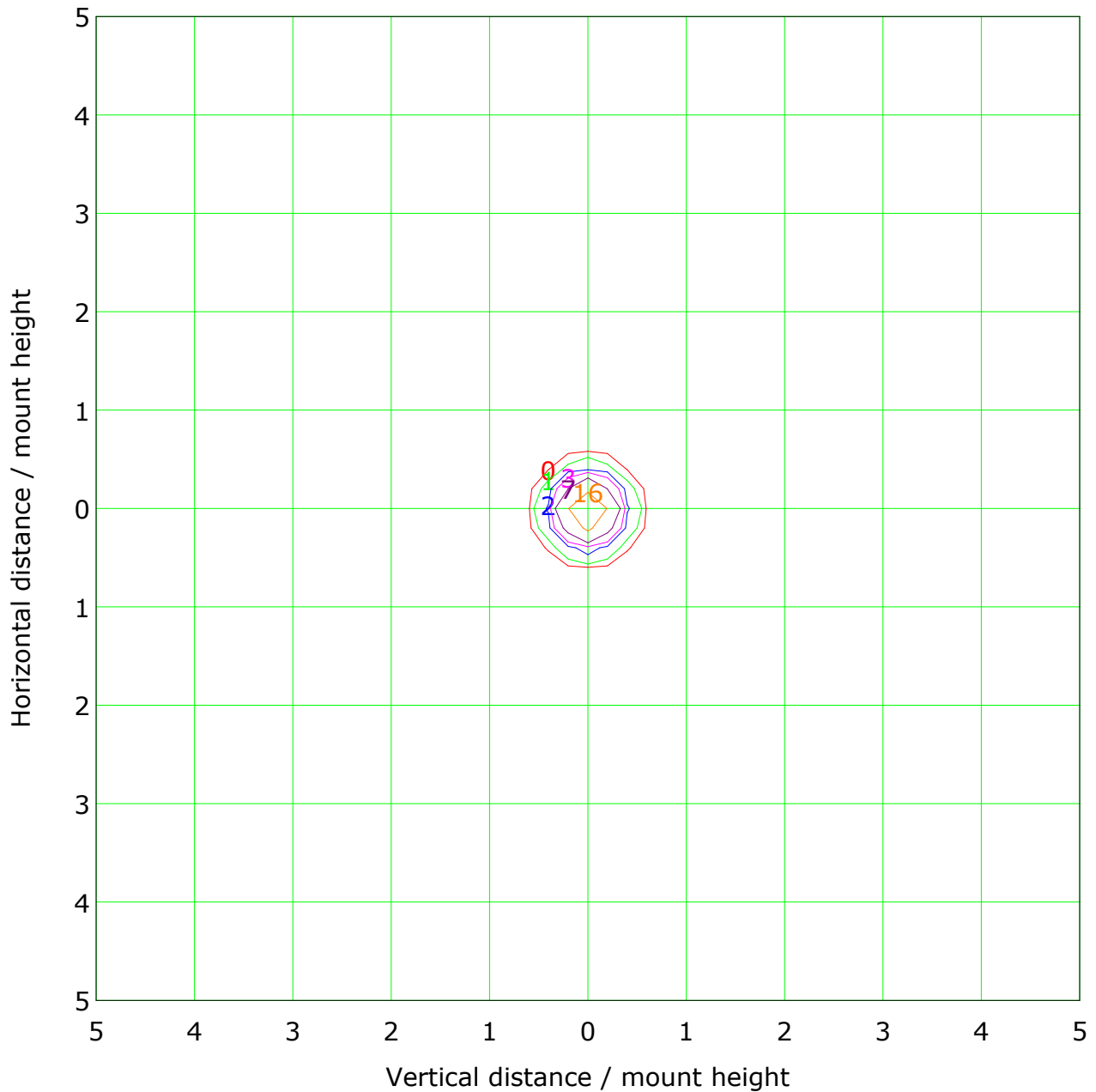
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 33 lx	
( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	3 lx
( 20%):	7 lx	( 50%):	16 lx
(100%):	33 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

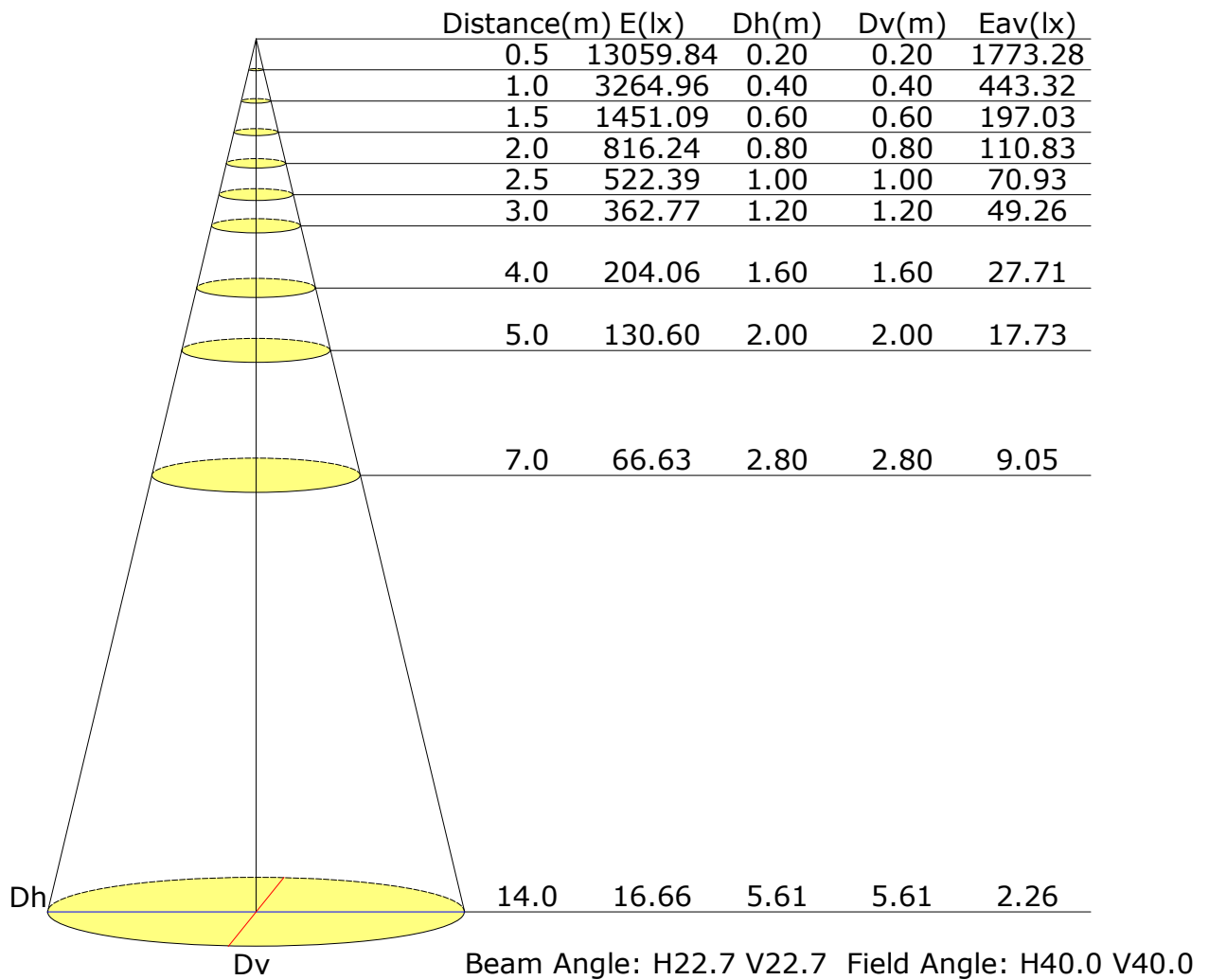
Test Device: CHL-6E

Distance: 3.000 m

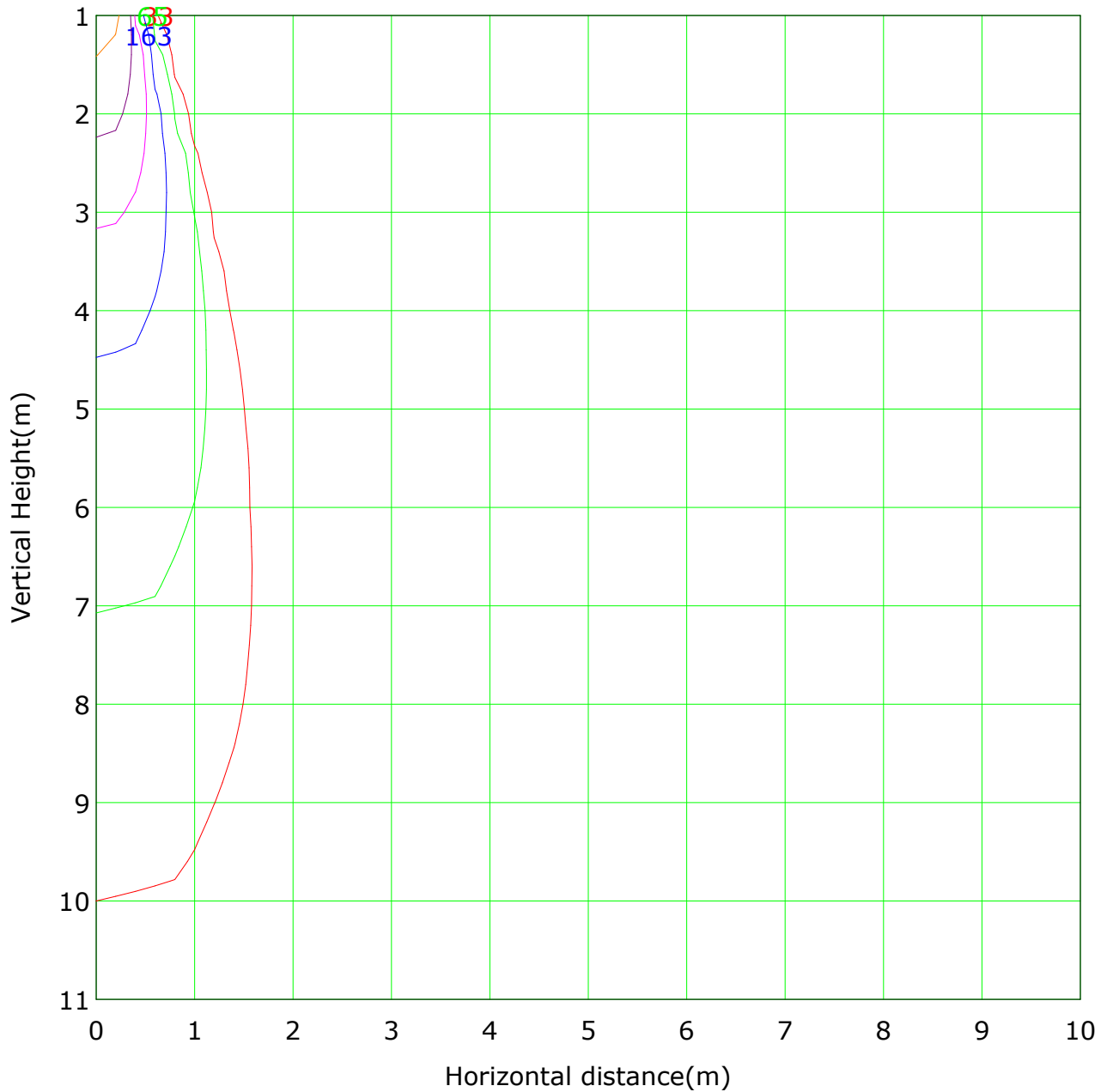
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



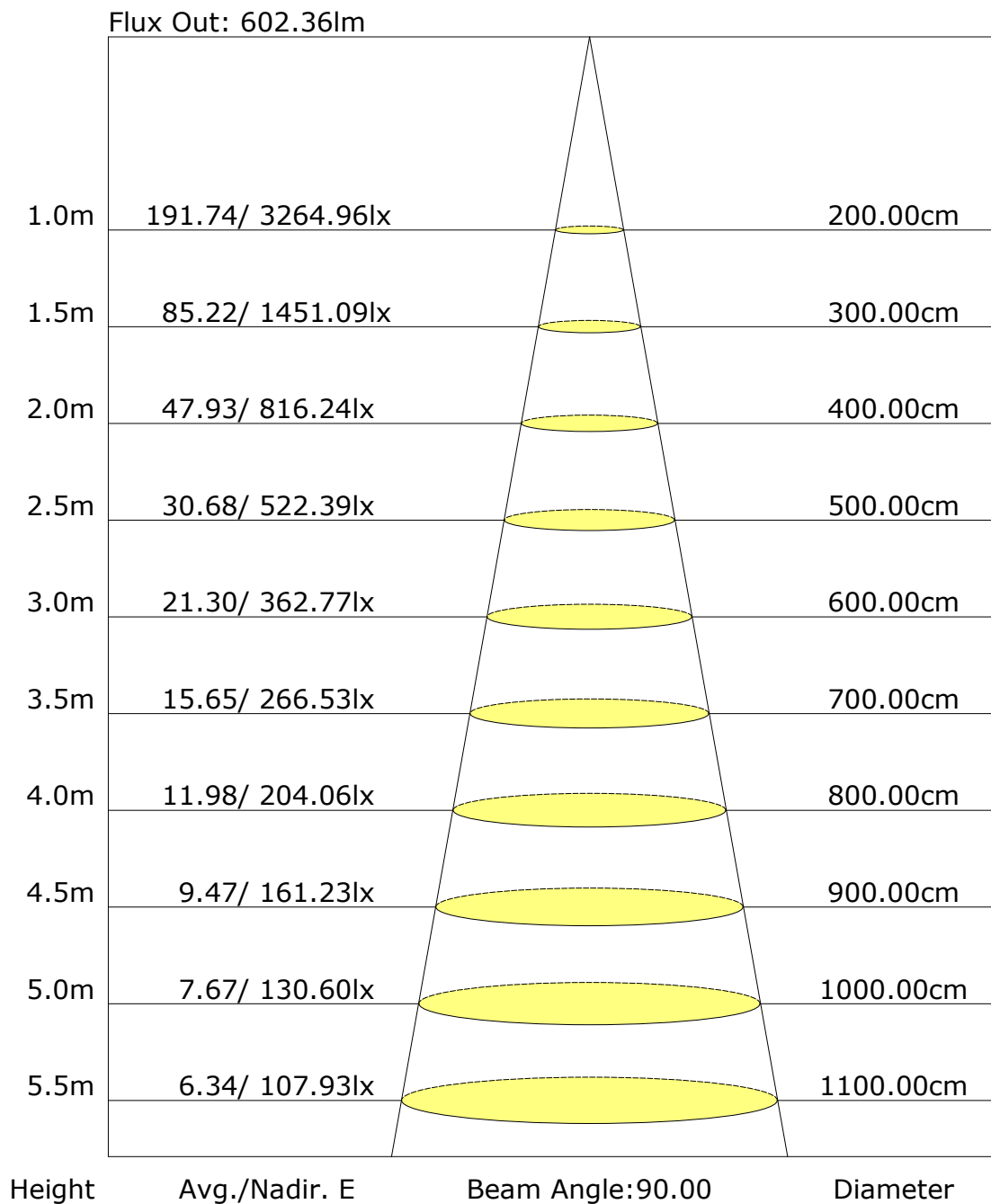
Lowest(m): 1m    Highest(m): 11    Max Lux: 3265

( 1%): 33 lx	( 2%): 65 lx
( 5%): 163 lx	( 10%): 326 lx
( 20%): 653 lx	( 50%): 1632 lx
(100%): 3265 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]

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: