

Report No.: 32.09017 SPECTRUM Tracklight Test Time: 2023-09-13 14:28

## Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 222.4 V

Current: 0.173 A

Power: 36.60 W

Power Factor: 0.960

## Photometric Results

CIE Class: Direct

Measurement Flux: 4366.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H18.1

Vertical Diffuse Angle(50%): V18.1

Luminaire Efficacy Rating (LER): 119

Max. Intensity: 33255.68 cd

Total Rated Lamp Lumens: 4366.7 lm

Efficiency: 100%

Upward Ratio: 0%

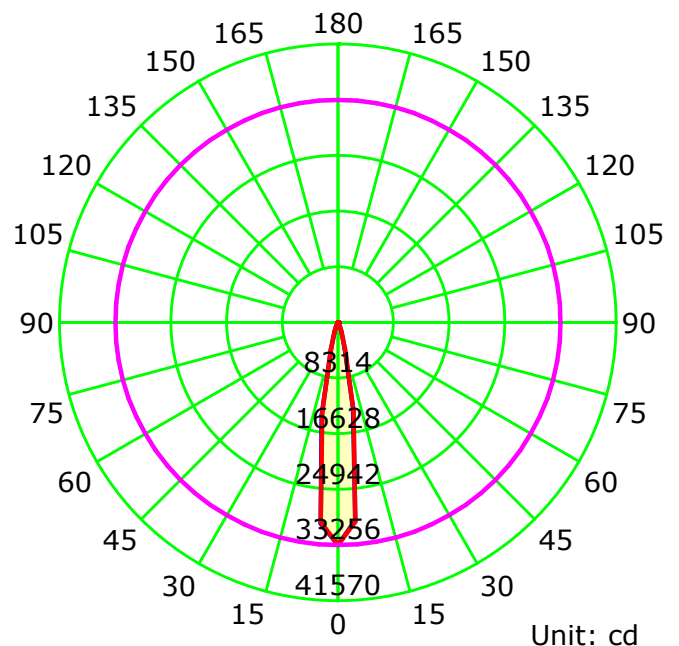
Central Intensity: 33255.67 cd

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

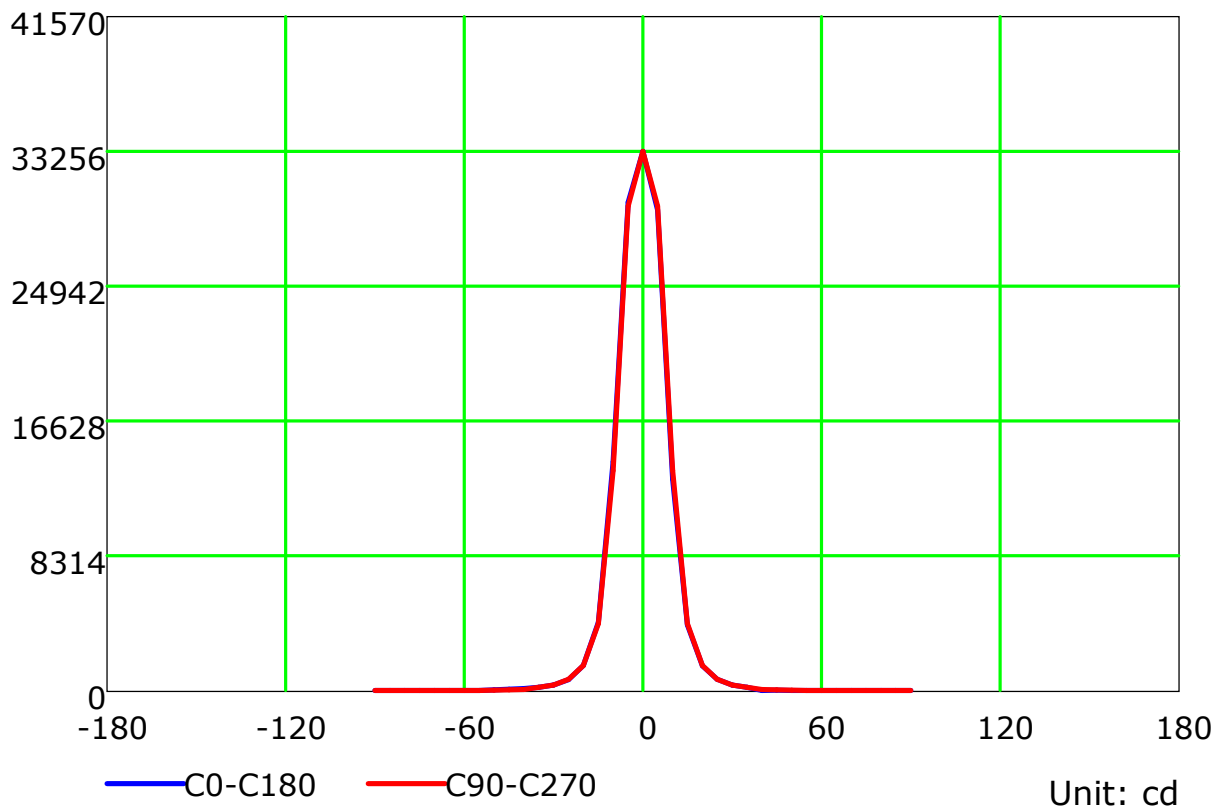
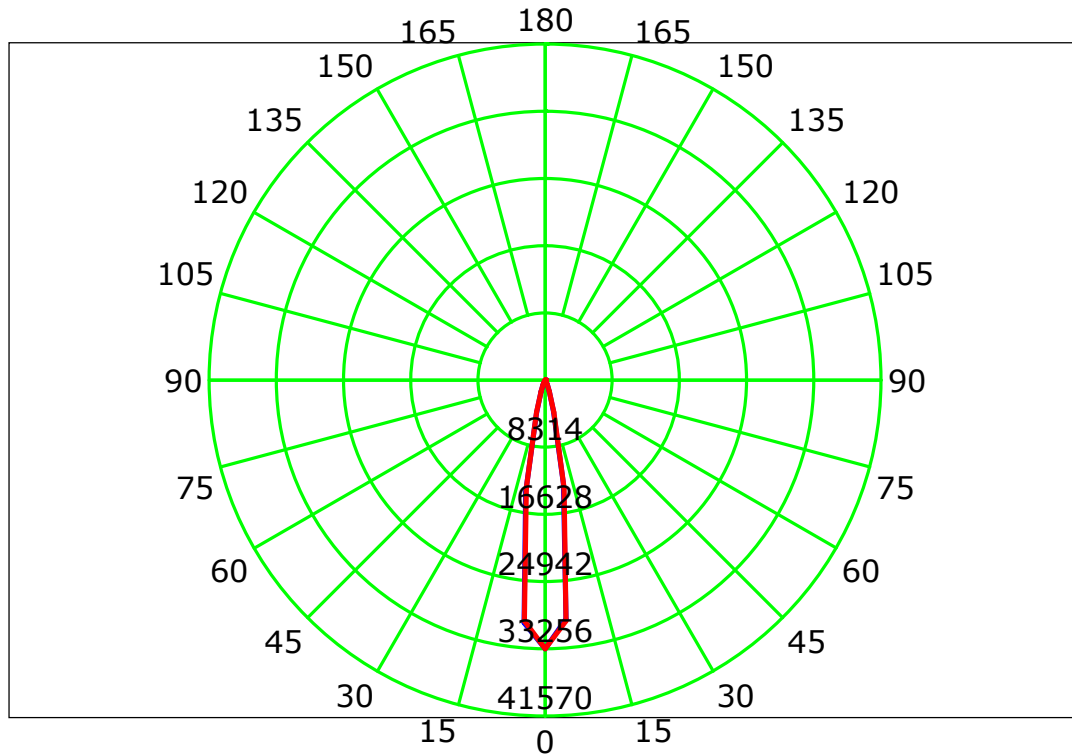
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

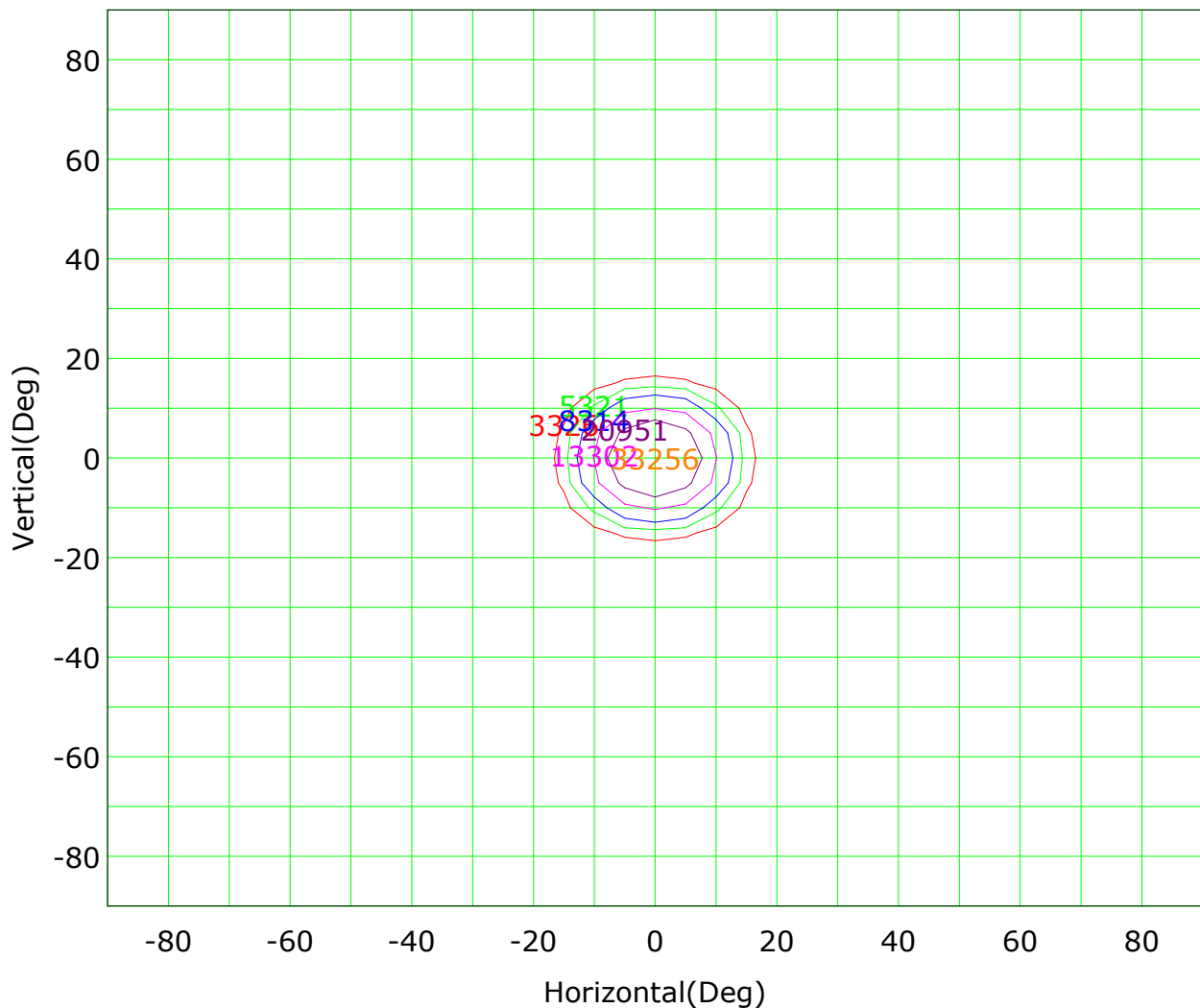
## Luminous Intensity Distribution Curve



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%): 33256 cd

( 10%): 3326 cd	( 16%): 5321 cd
( 25%): 8314 cd	( 40%): 13302 cd
( 63%): 20951 cd	(100%): 33256 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

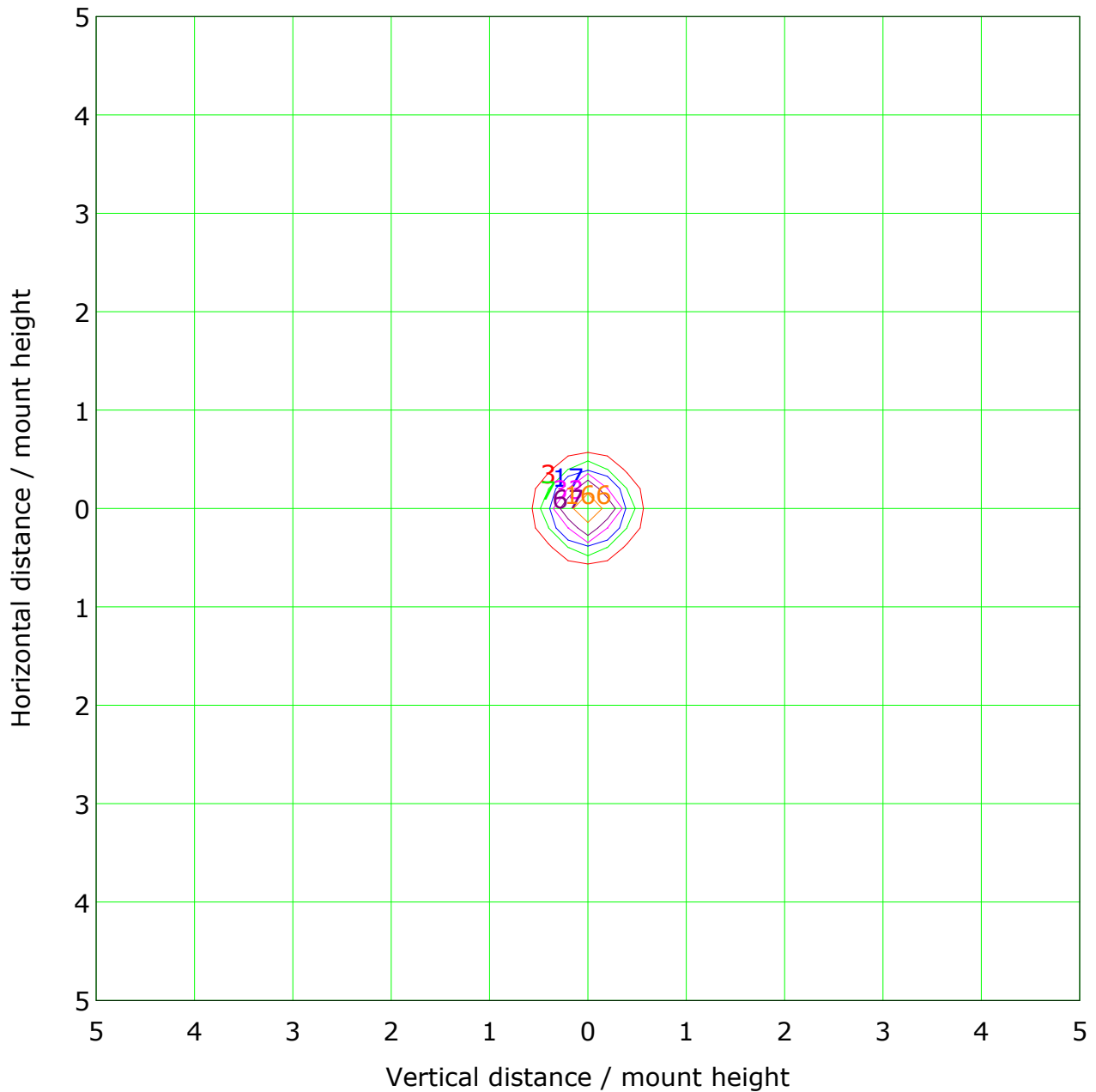
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 333 lx	
( 1%):	3 lx	( 2%):	7 lx
( 5%):	17 lx	( 10%):	33 lx
( 20%):	67 lx	( 50%):	166 lx
(100%):	333 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

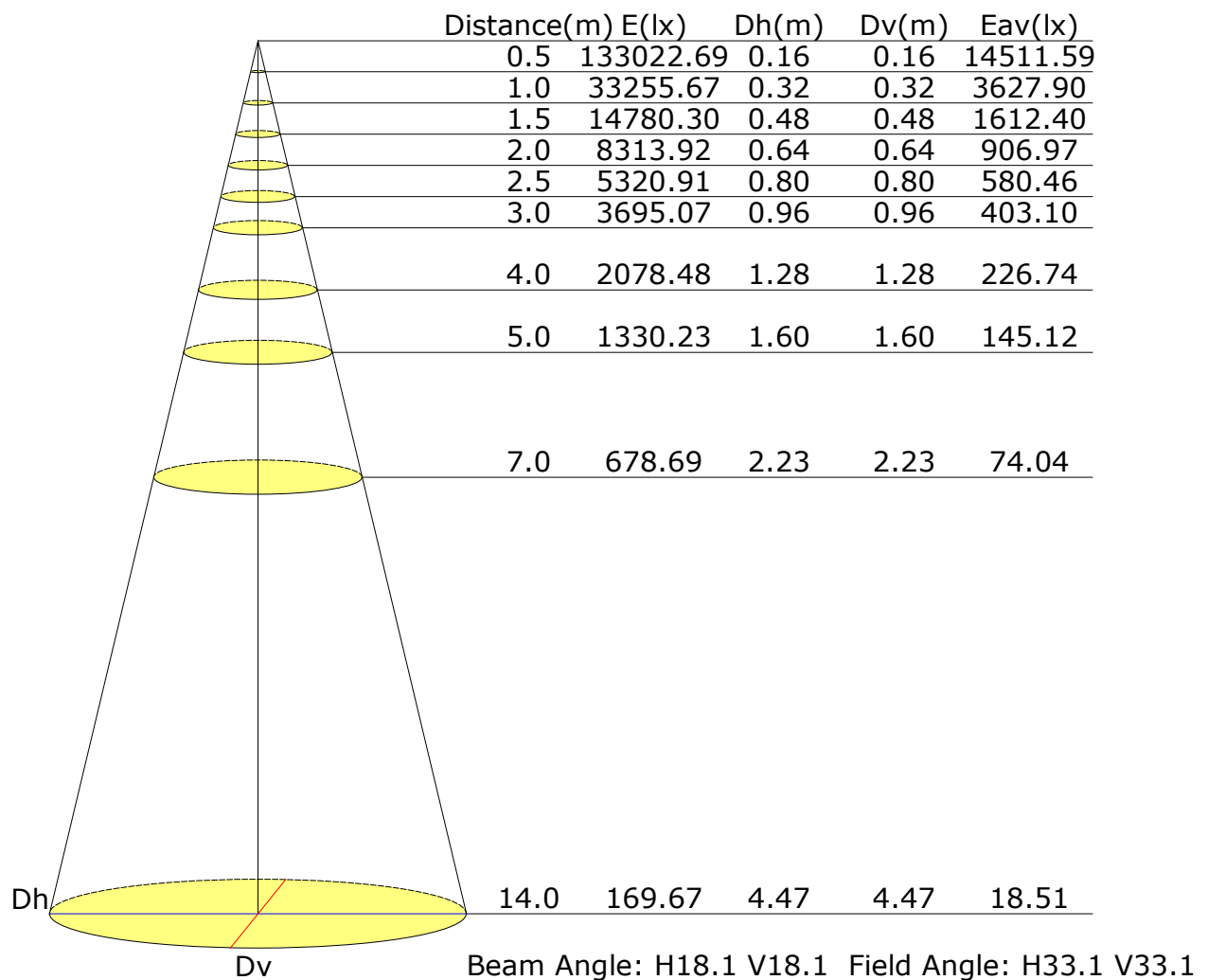
Test Device: CHL-6E

Distance: 3.000 m

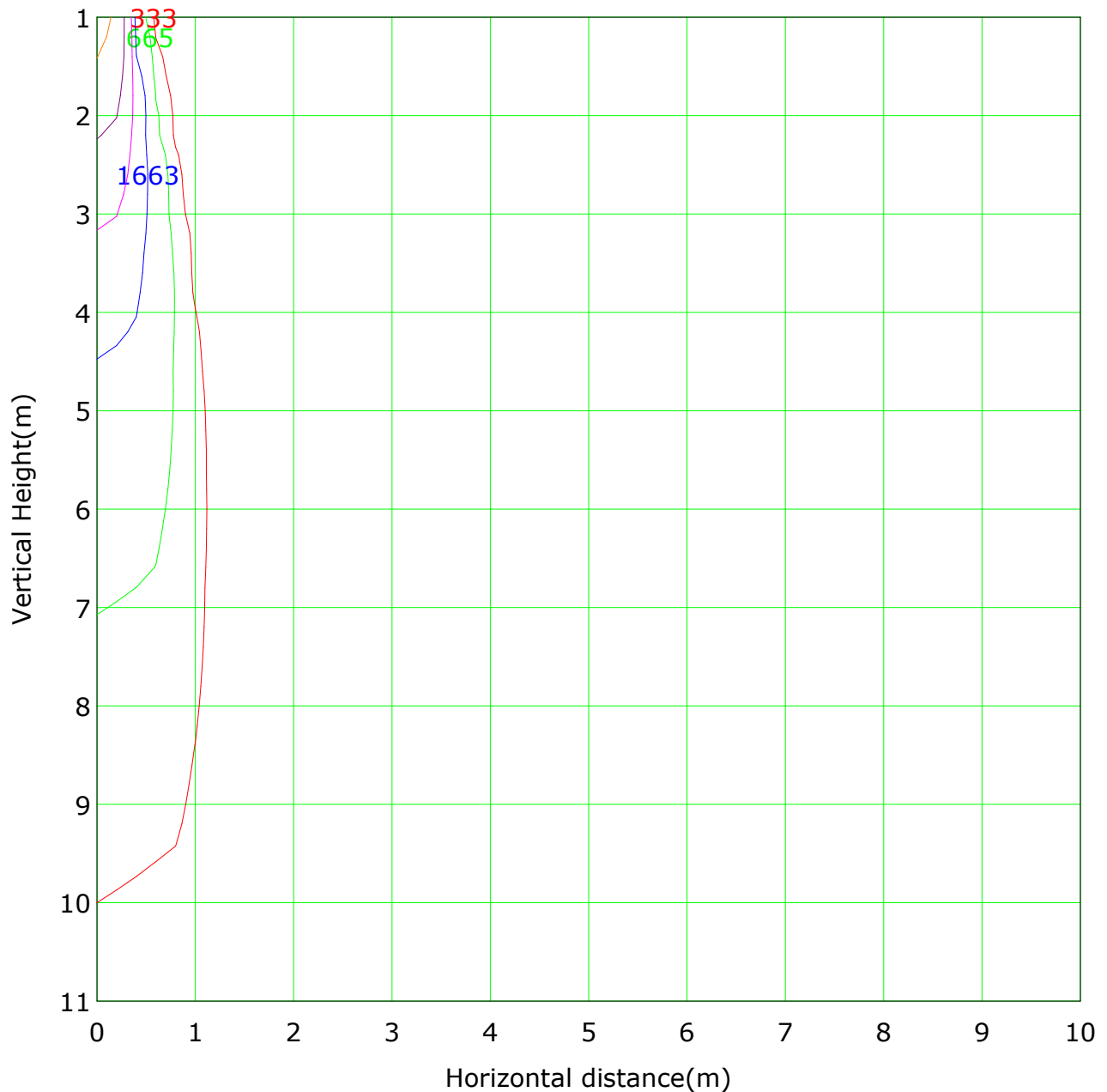
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



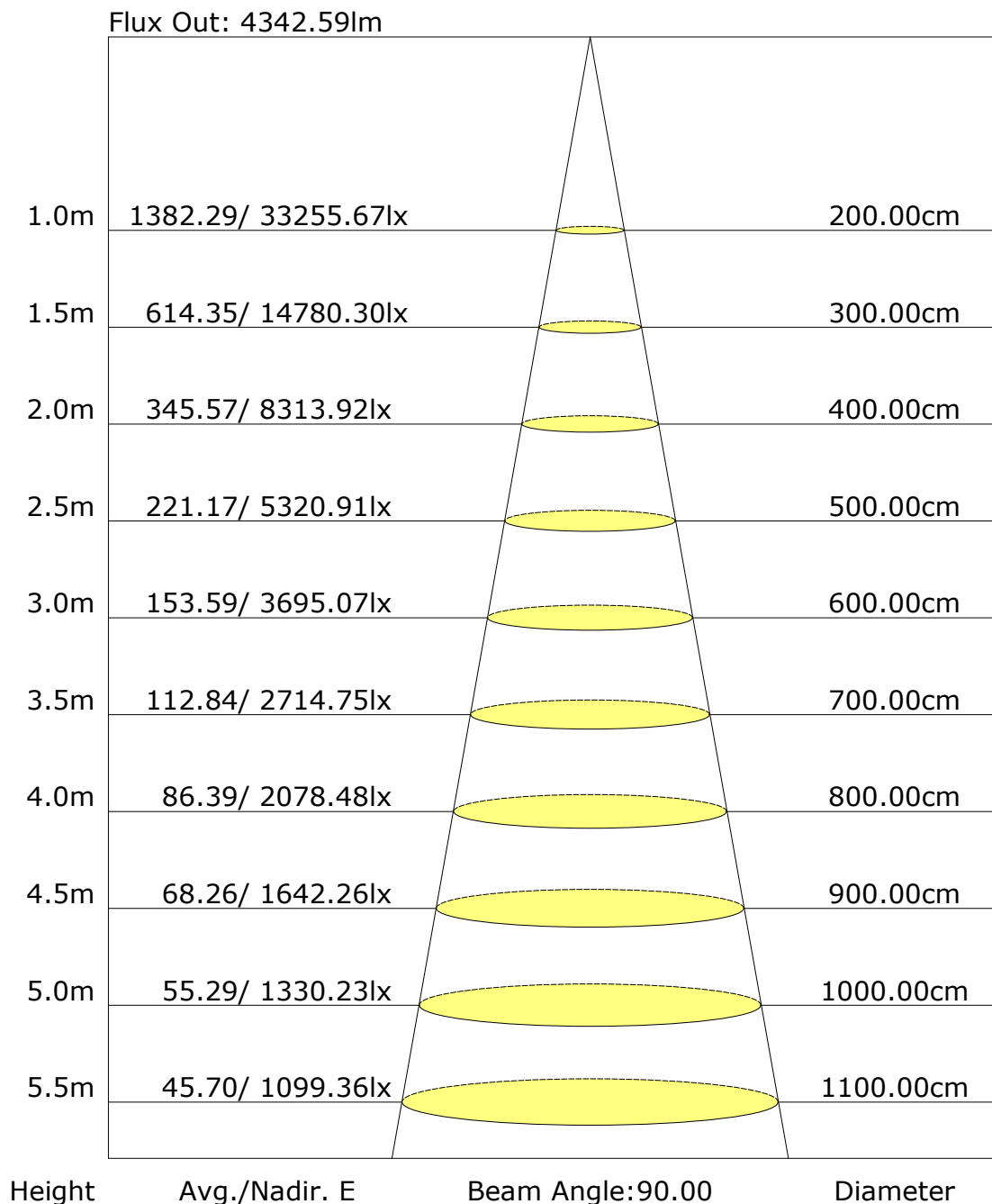
Lowest(m): 1m    Highest(m): 11    Max Lux: 33256

( 1%): 333 lx	( 2%): 665 lx
( 5%): 1663 lx	( 10%): 3326 lx
( 20%): 6651 lx	( 50%): 16628 lx
(100%): 33256 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: