

Report No.:32.06512 FOS Track Light

Test Time: 2023-06-30 21:29

## Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Luminaire Description: FOS 65 50D

Voltage: 220.6 V

Power: 23.90 W

Lamp Description: Citizen 1204 3000K CRI90

Current: 0.112 A

Power Factor: 0.966

## Photometric Results

CIE Class: Direct

Measurement Flux: 1692.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H41.2

Vertical Diffuse Angle(50%): V41.2

Luminaire Efficacy Rating (LER): 71

Max. Intensity: 3360.19 cd

Total Rated Lamp Lumens: 1692.2 lm

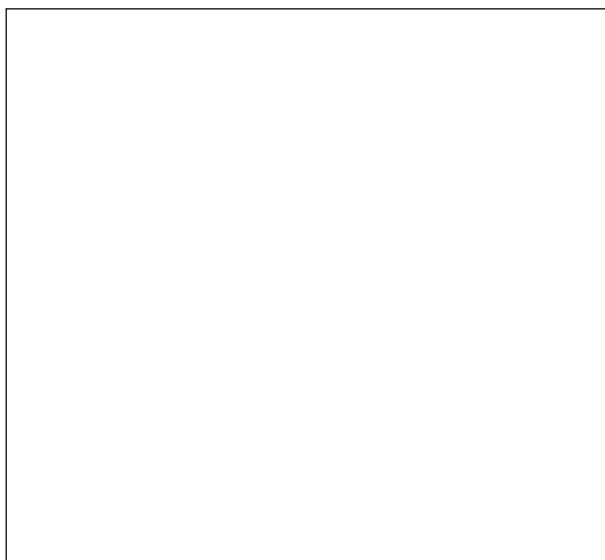
Efficiency: 100%

Upward Ratio: 0%

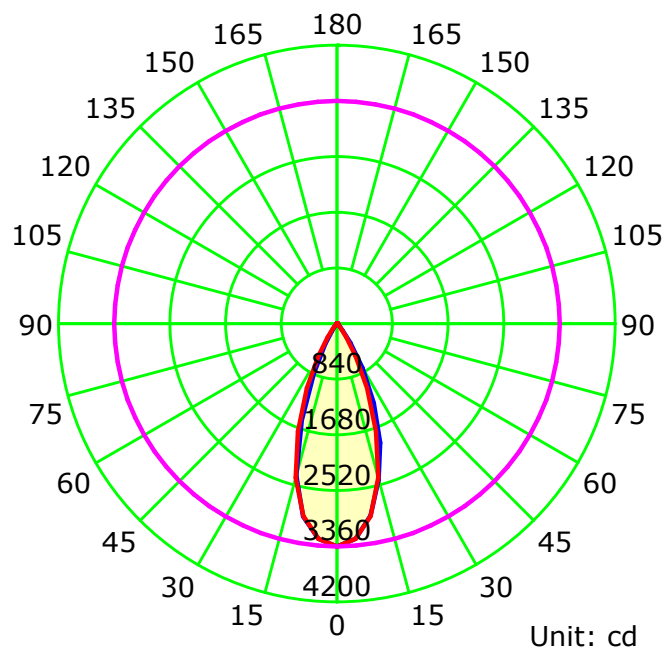
Central Intensity: 3360.19 cd

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

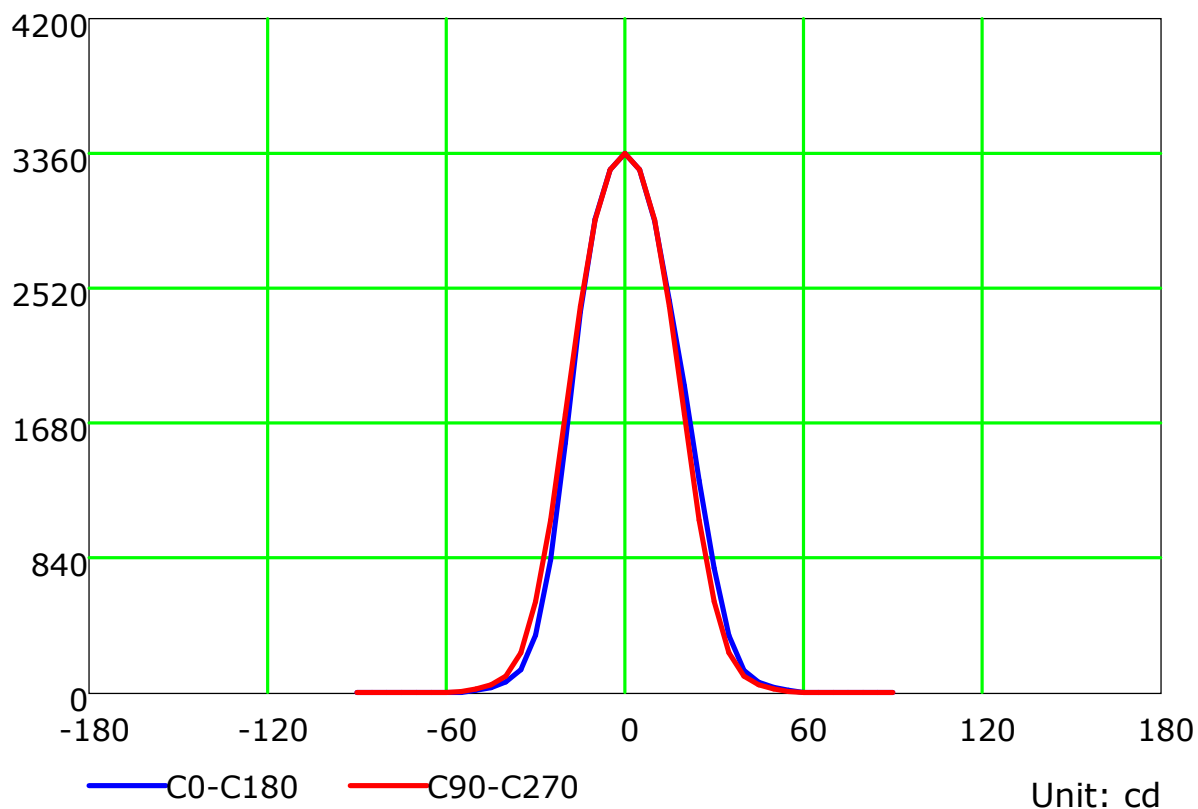
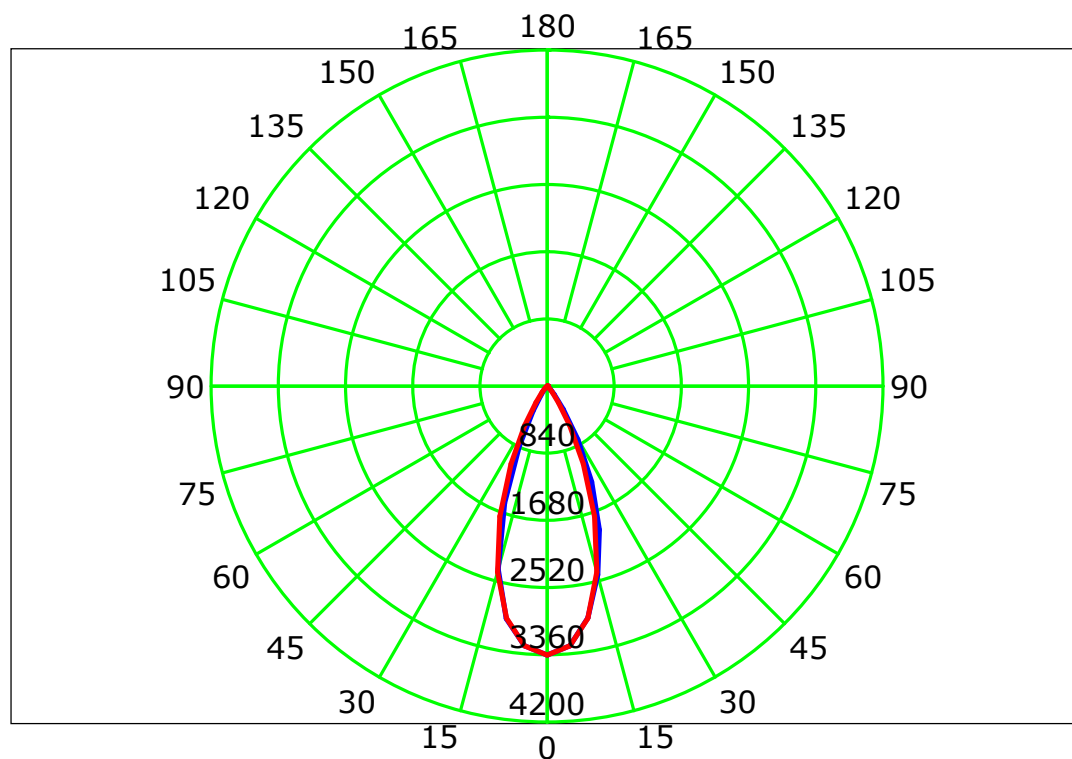
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

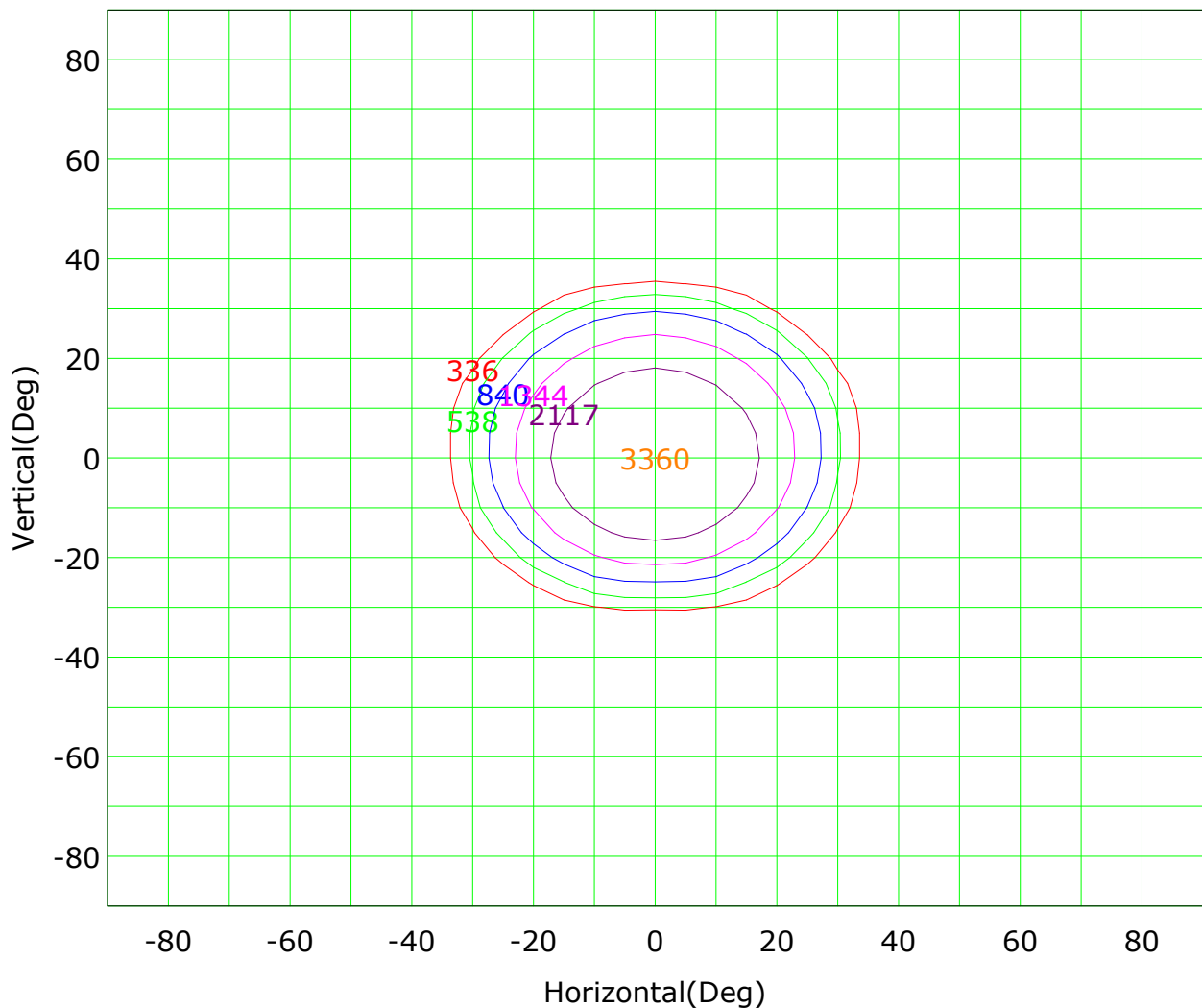
## Luminous Intensity Distribution Curve



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%): 3360 cd

( 10%): 336 cd	( 16%): 538 cd
( 25%): 840 cd	( 40%): 1344 cd
( 63%): 2117 cd	(100%): 3360 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

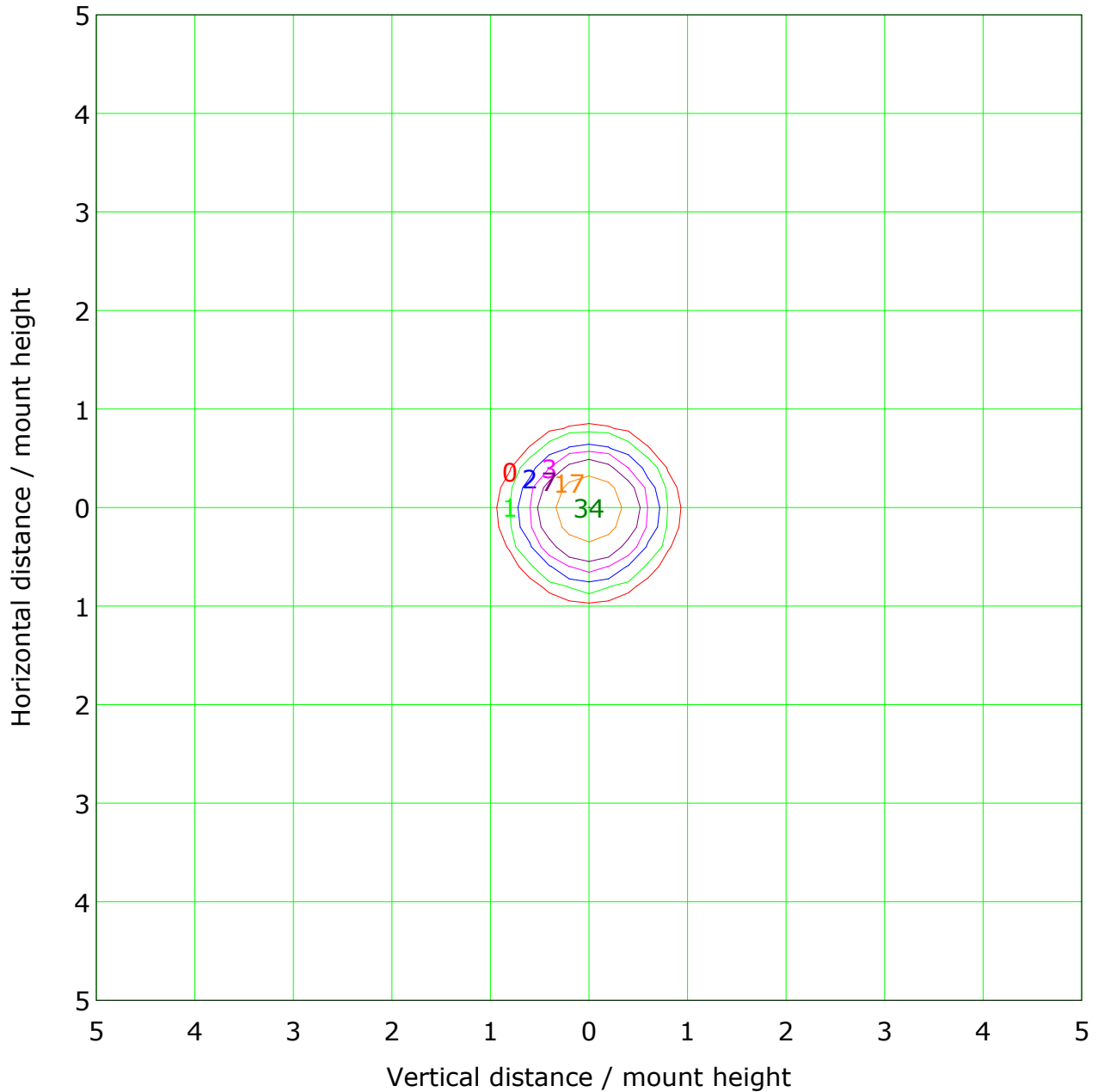
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



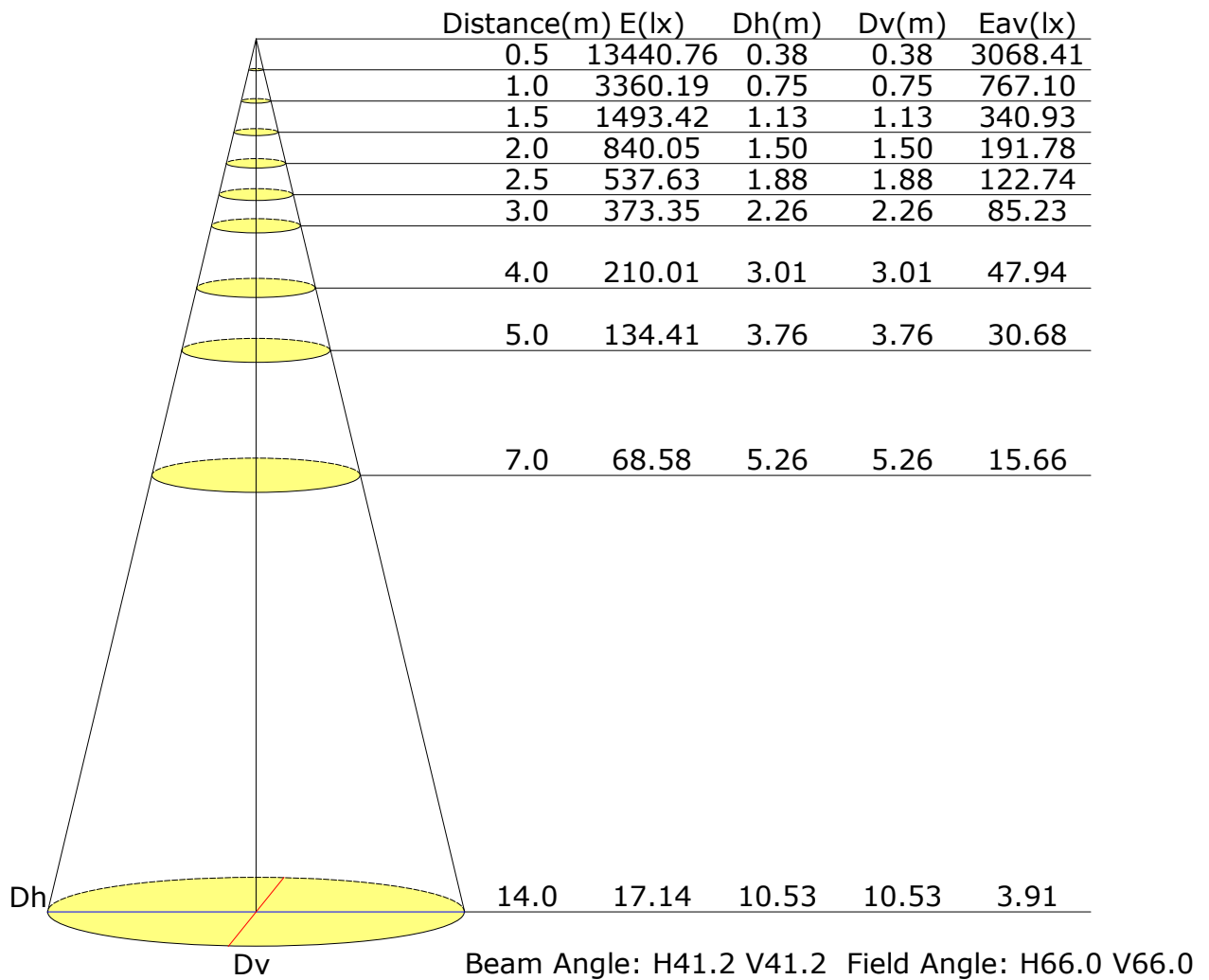
Mounting Height: 10m    Max Lux(100%): 34 lx

( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	3 lx
( 20%):	7 lx	( 50%):	17 lx
(100%):	34 lx		

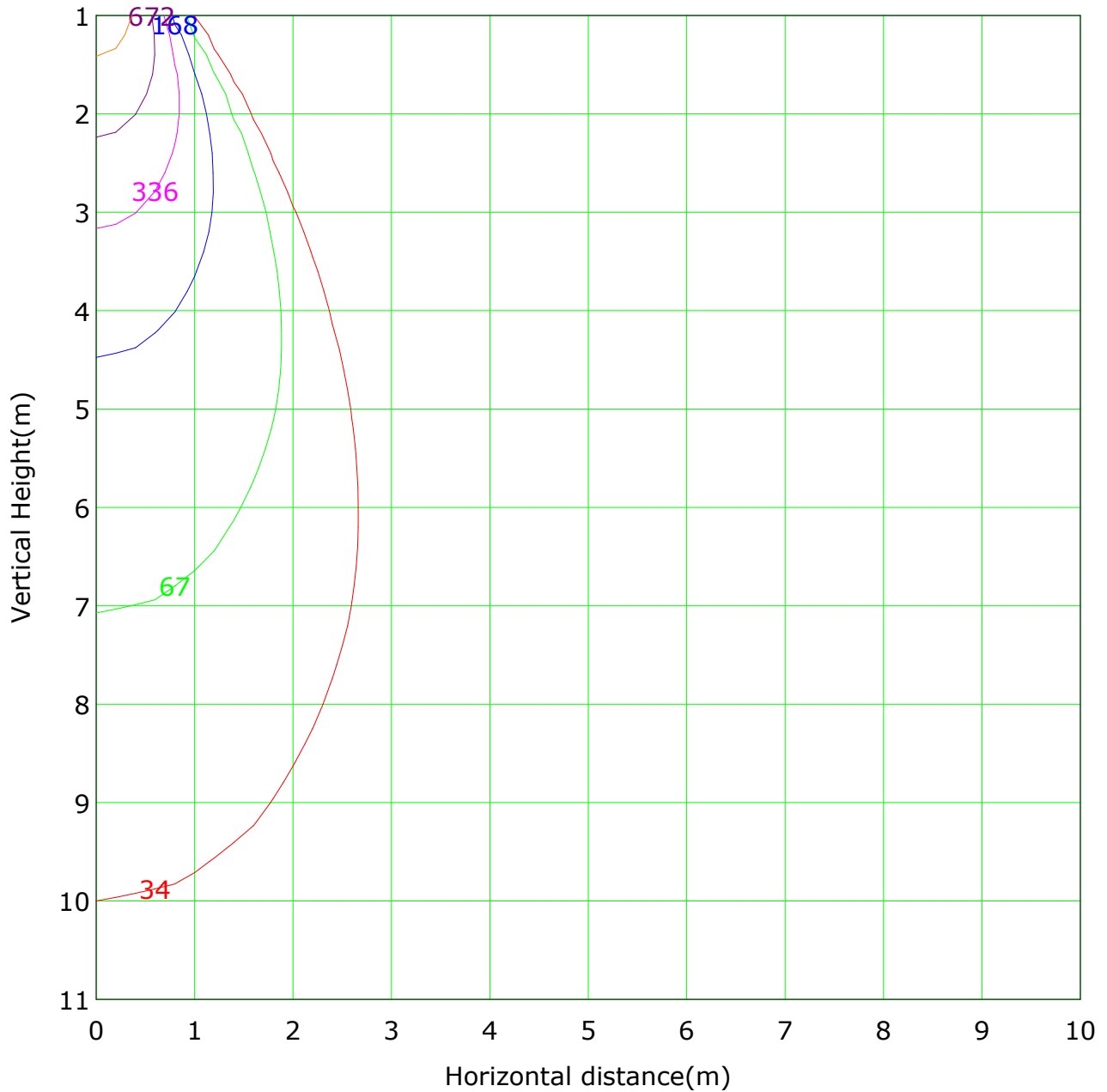
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



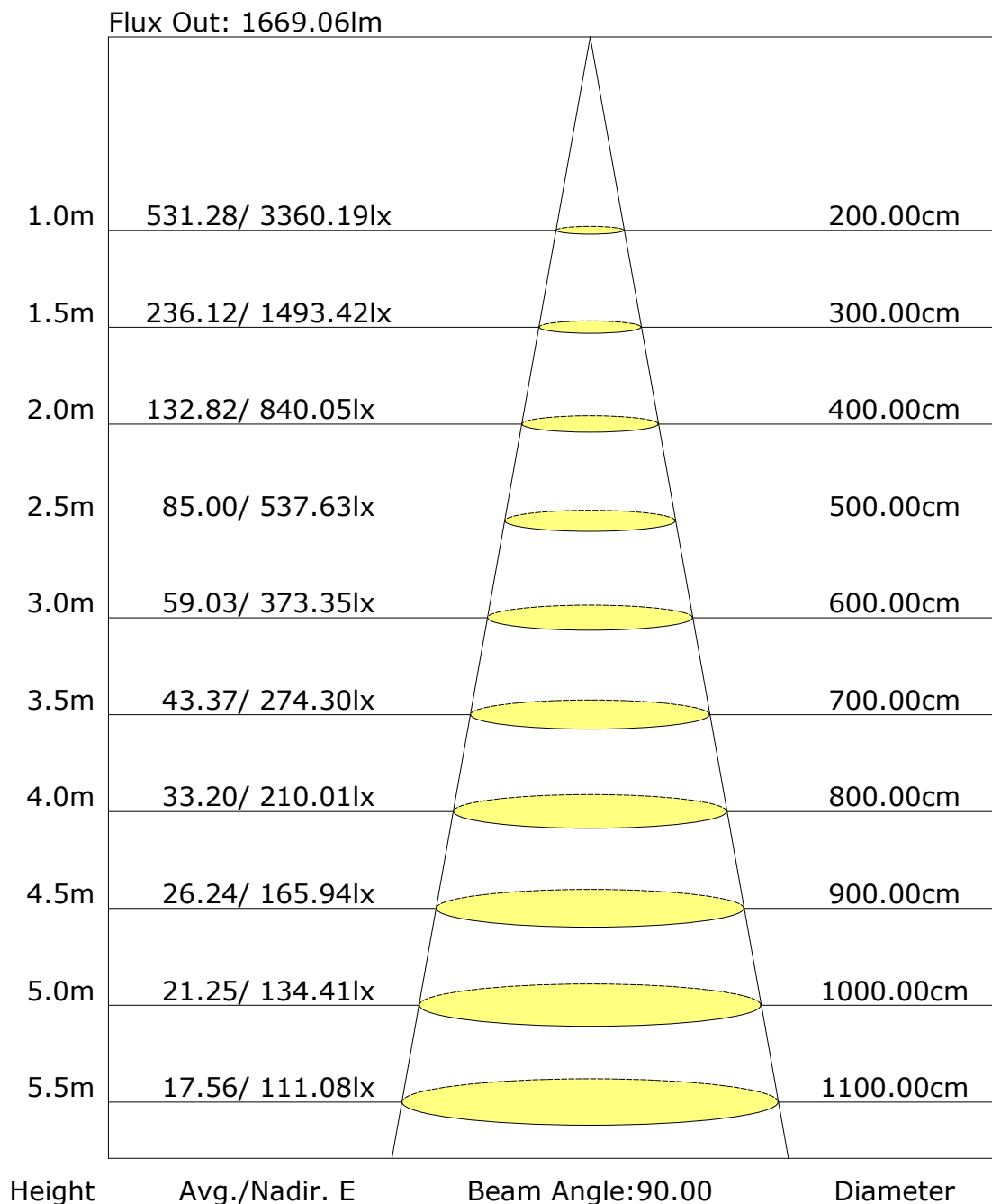
Lowest(m): 1m    Highest(m): 11    Max Lux: 3360

( 1%): 34 lx	( 2%): 67 lx
( 5%): 168 lx	( 10%): 336 lx
( 20%): 672 lx	( 50%): 1680 lx
(100%): 3360 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: