

Report No.:32.09013-EMMA Track Light Test Time: 2023-06-27 19:09

## Luminaire Property

Luminaire Category: Citizen 1206 3000K CRI90

Luminaire Description: 50D

Current: 0.172 A

Power Factor: 0.973

Voltage: 217.0 V

Power: 36.40 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 3552.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H38.8

Vertical Diffuse Angle(50%): V38.8

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 6827.76 cd

Total Rated Lamp Lumens: 3552.3 lm

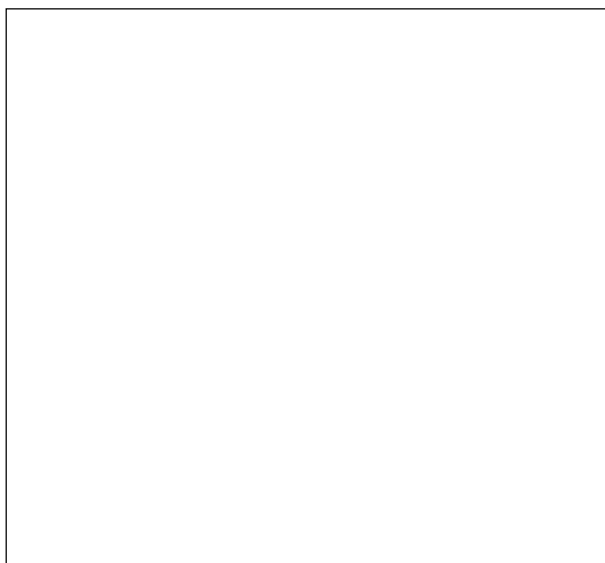
Efficiency: 100%

Upward Ratio: 0%

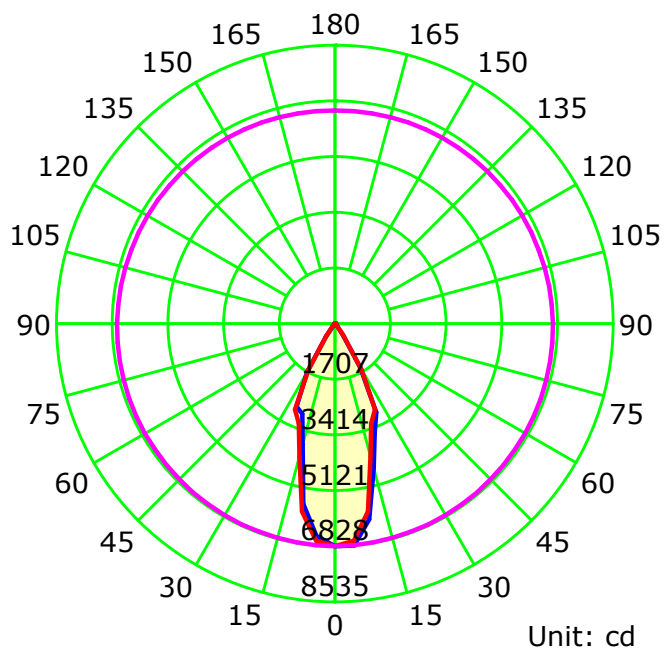
Central Intensity: 6824.72 cd

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

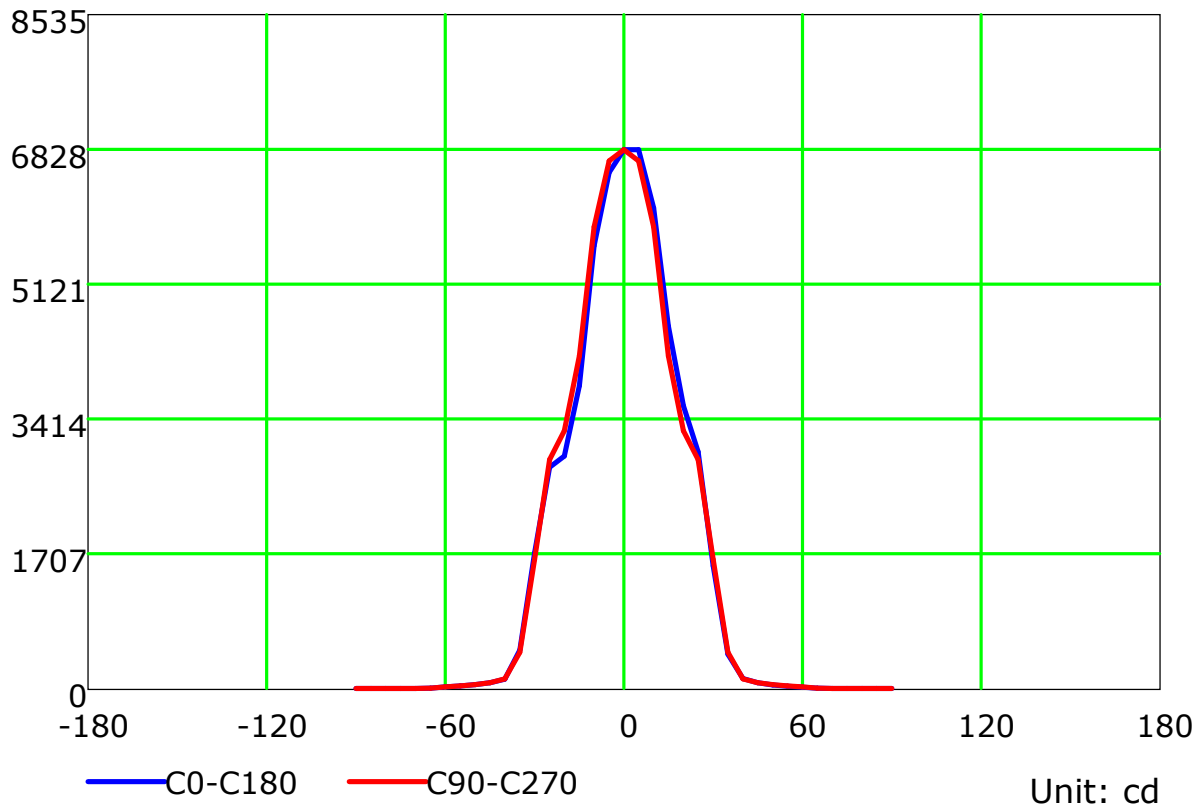
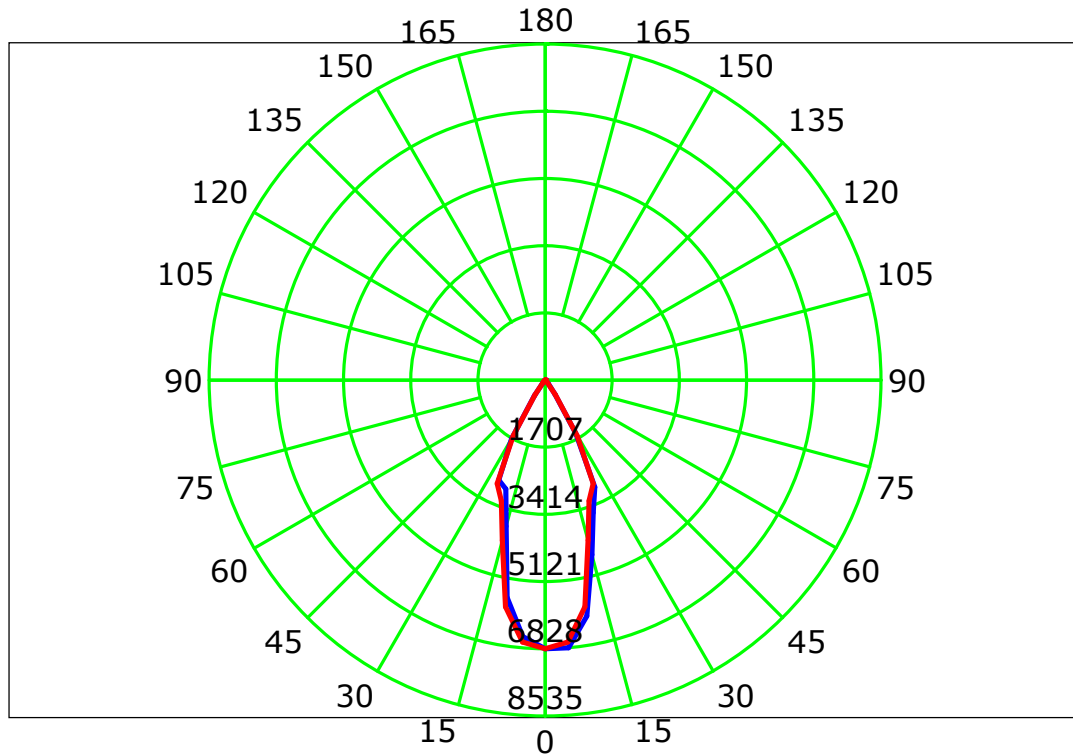
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

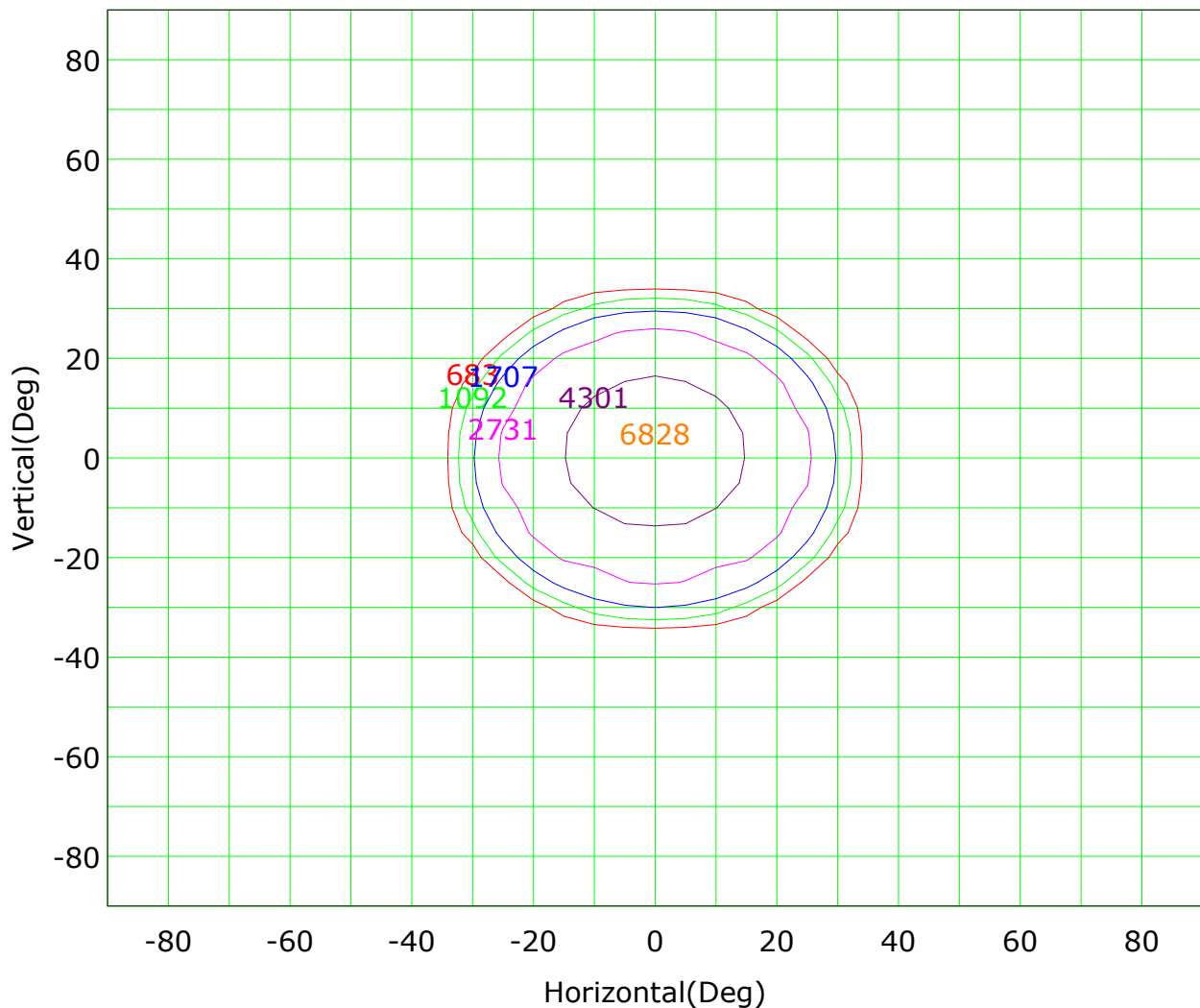
## Luminous Intensity Distribution Curve



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%): 6828 cd

|                 |                 |
|-----------------|-----------------|
| ( 10%): 683 cd  | ( 16%): 1092 cd |
| ( 25%): 1707 cd | ( 40%): 2731 cd |
| ( 63%): 4301 cd | (100%): 6828 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

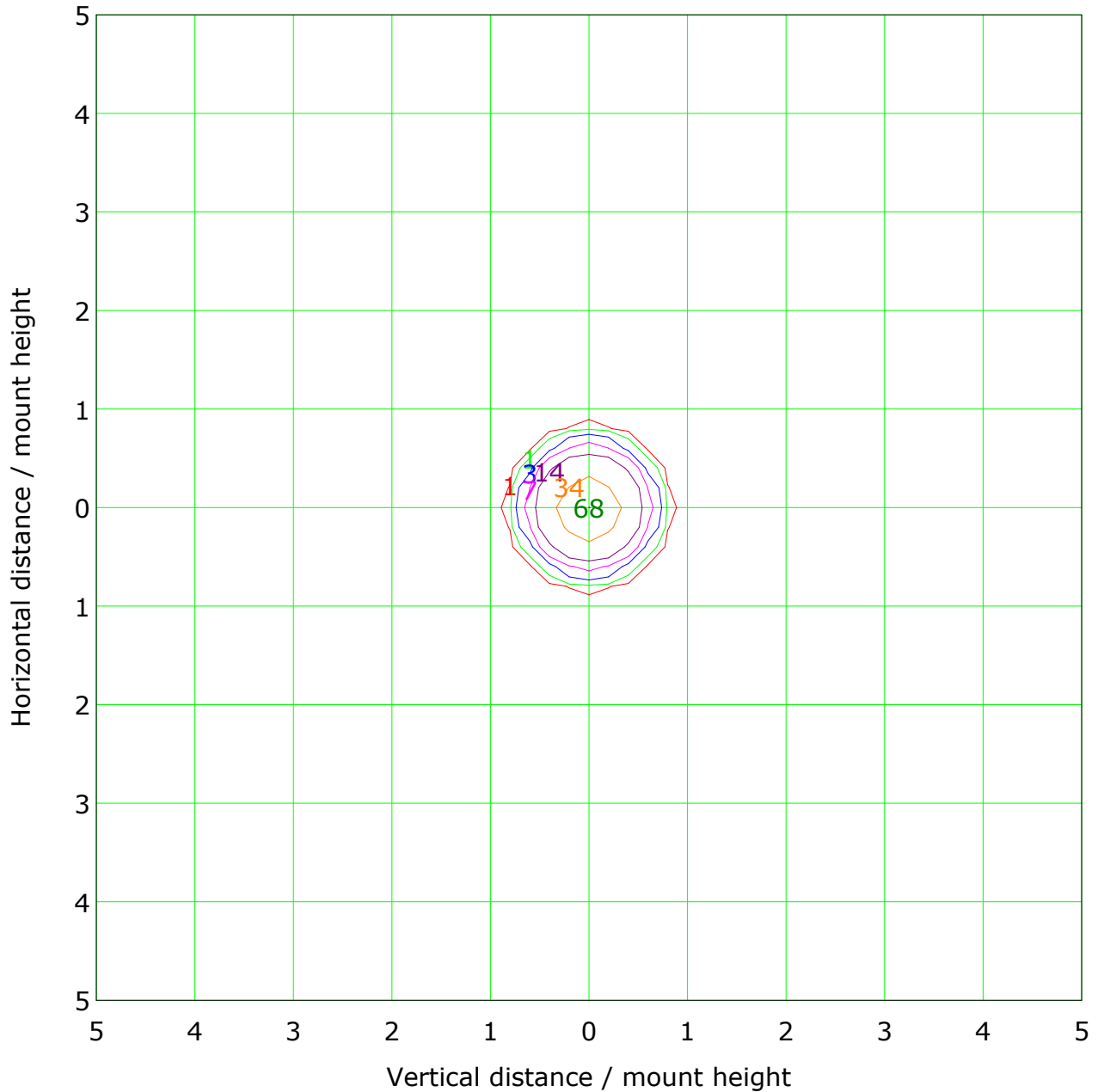
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



|  |       |           |       |
|--|-------|-----------|-------|
| Mounting Height: 10m    Max Lux(100%): 68 lx |       |           |       |
| — ( 1%):                                     | 1 lx  | — ( 2%):  | 1 lx  |
| — ( 5%):                                     | 3 lx  | — ( 10%): | 7 lx  |
| — ( 20%):                                    | 14 lx | — ( 50%): | 34 lx |
| — (100%):                                    | 68 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

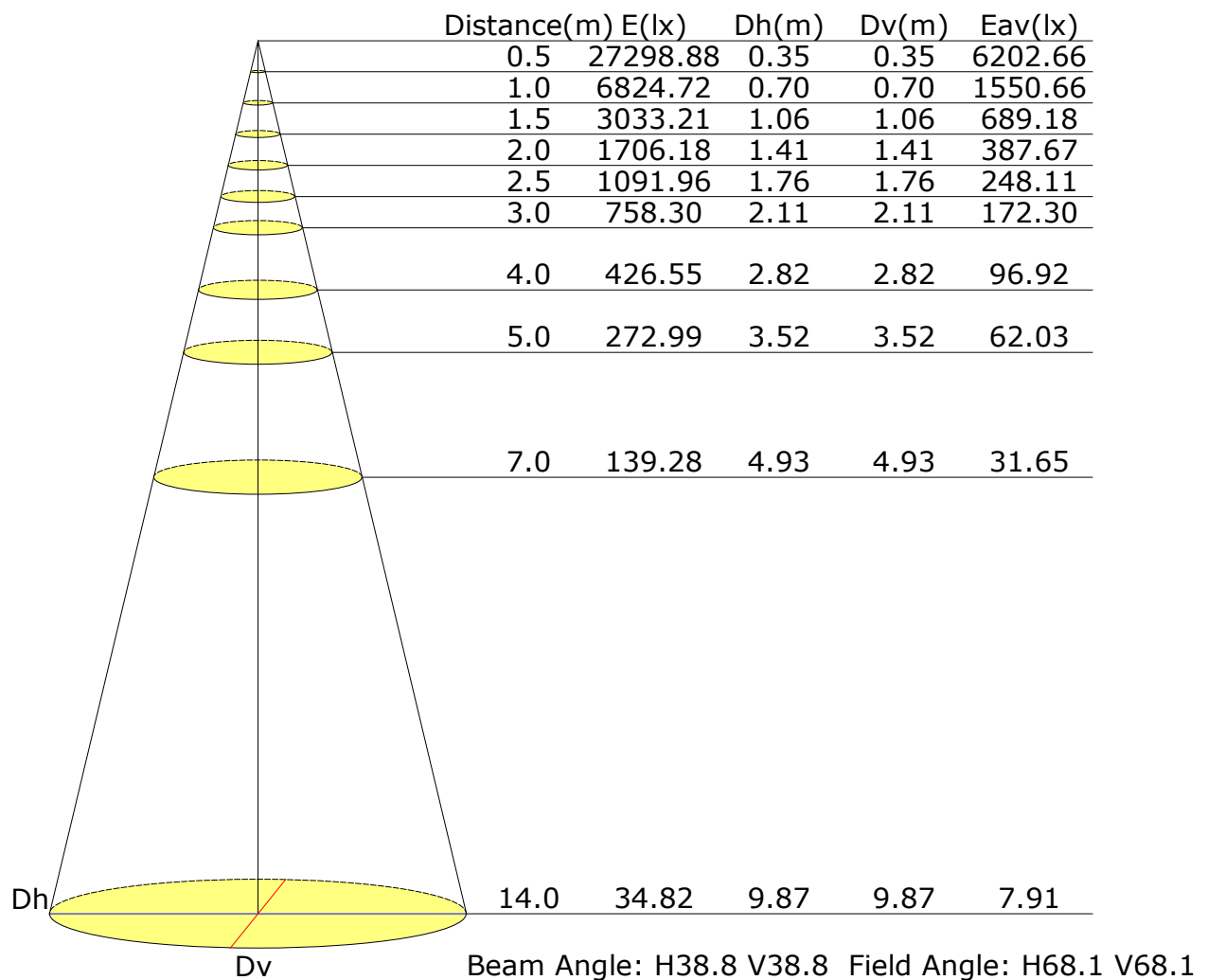
Test Device: CHL-6E

Distance: 3.000 m

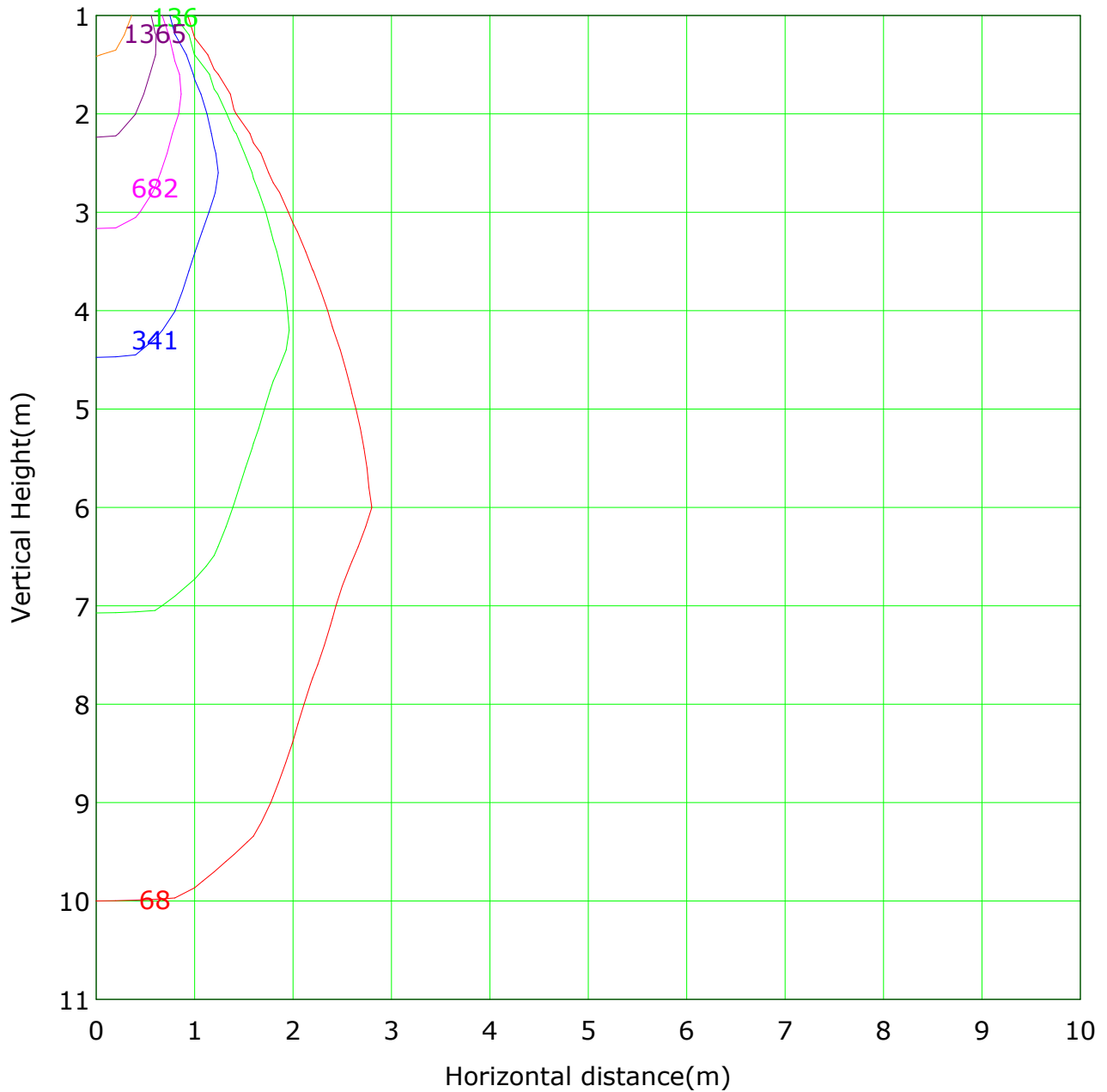
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

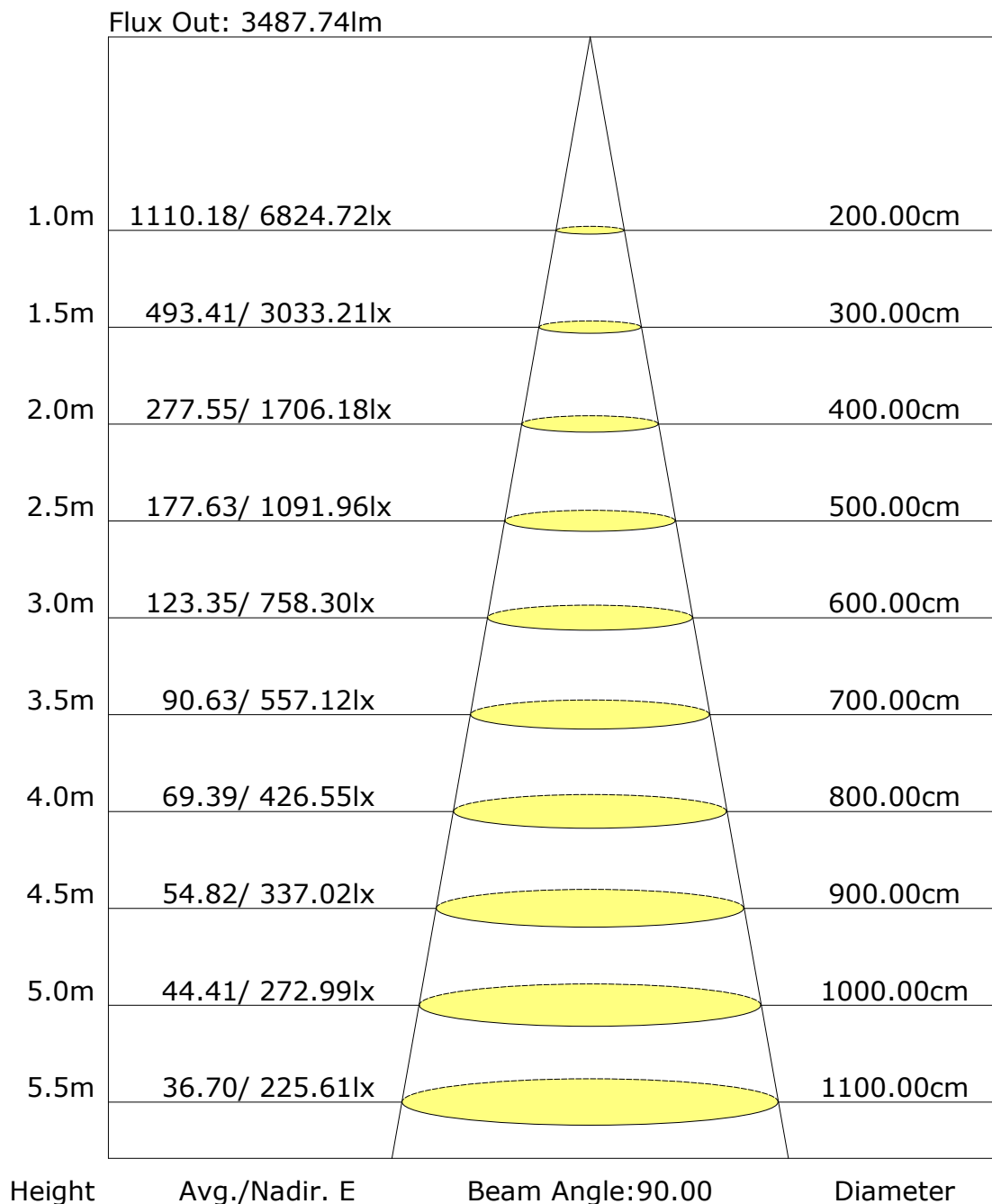


Lowest(m): 1m Highest(m): 11 Max Lux: 6825  
— ( 1%): 68 lx — ( 2%): 136 lx  
— ( 5%): 341 lx — ( 10%): 682 lx  
— ( 20%): 1365 lx — ( 50%): 3412 lx  
— (100%): 6825 lx

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: