

Report No.: 32.09013 EMMA Track Light

Test Time: 2023-09-09 15:47

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 218.3 V

Current: 0.171 A

Power: 36.10 W

Power Factor: 0.958

## Photometric Results

CIE Class: Direct

Measurement Flux: 4347.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H45

Vertical Diffuse Angle(50%): V45

Luminaire Efficacy Rating (LER): 120

Max. Intensity: 7556.13 cd

Total Rated Lamp Lumens: 4347.6 lm

Efficiency: 100%

Upward Ratio: 0%

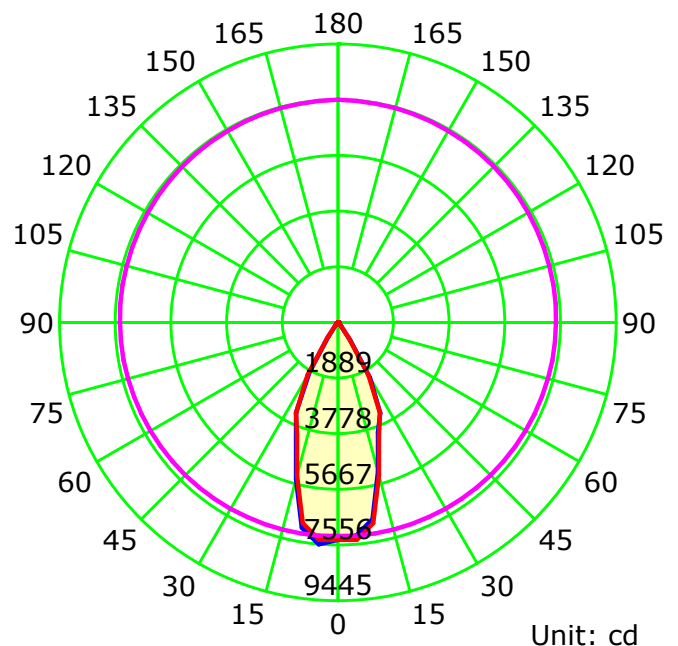
Central Intensity: 7379.85 cd

Pos of Max. Intensity: H180 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

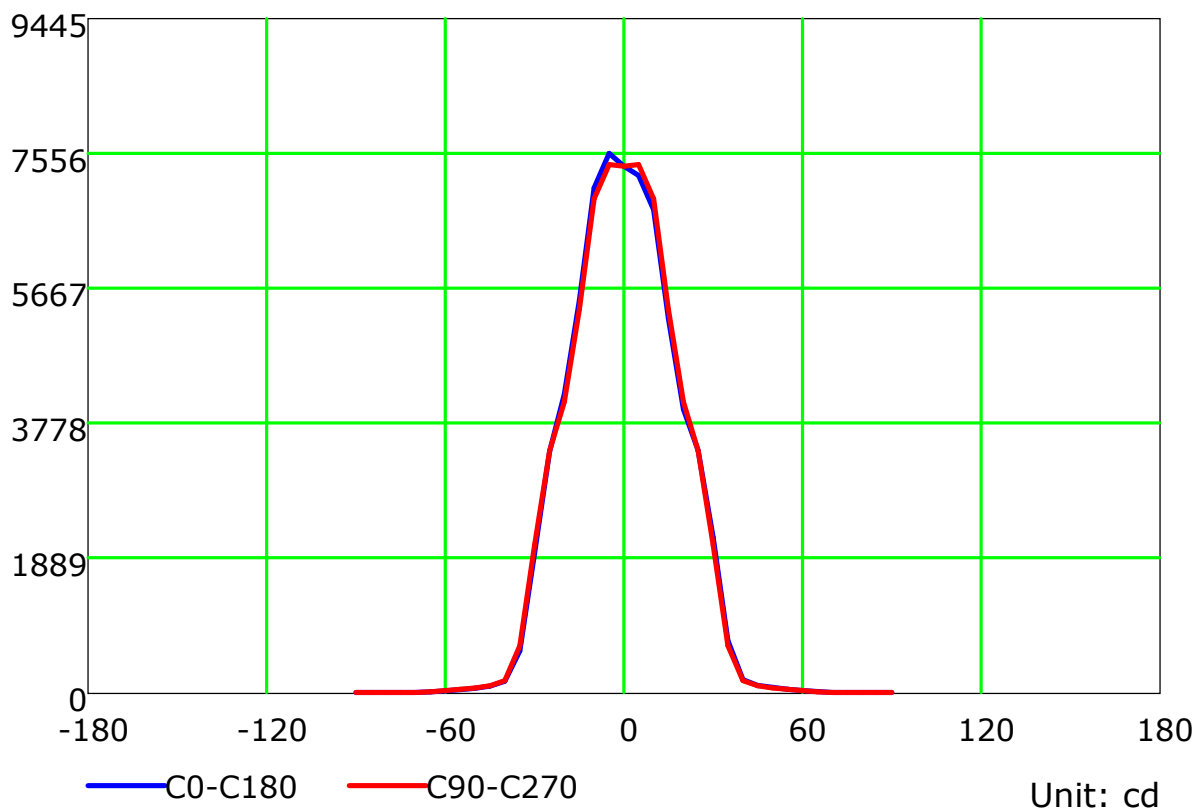
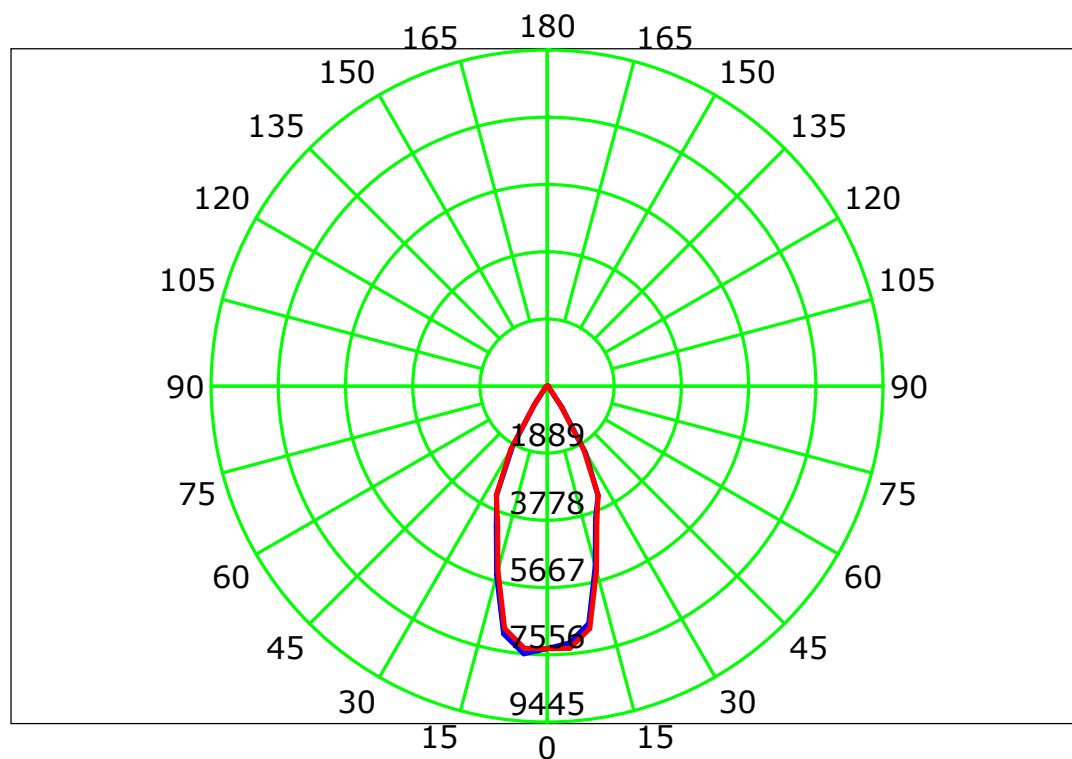
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

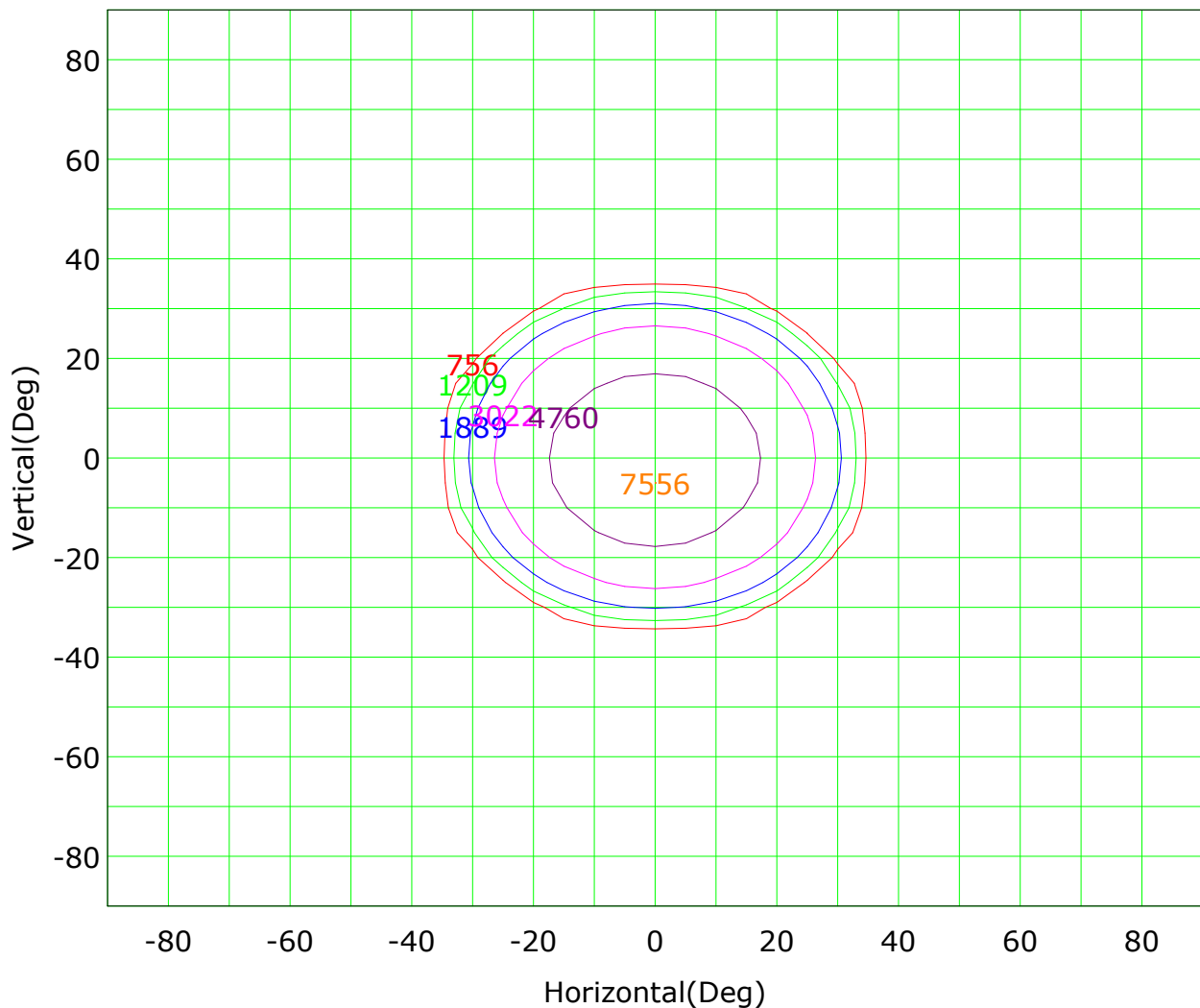
## Luminous Intensity Distribution Curve



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%): 7556 cd

( 10%): 756 cd	( 16%): 1209 cd
( 25%): 1889 cd	( 40%): 3022 cd
( 63%): 4760 cd	(100%): 7556 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

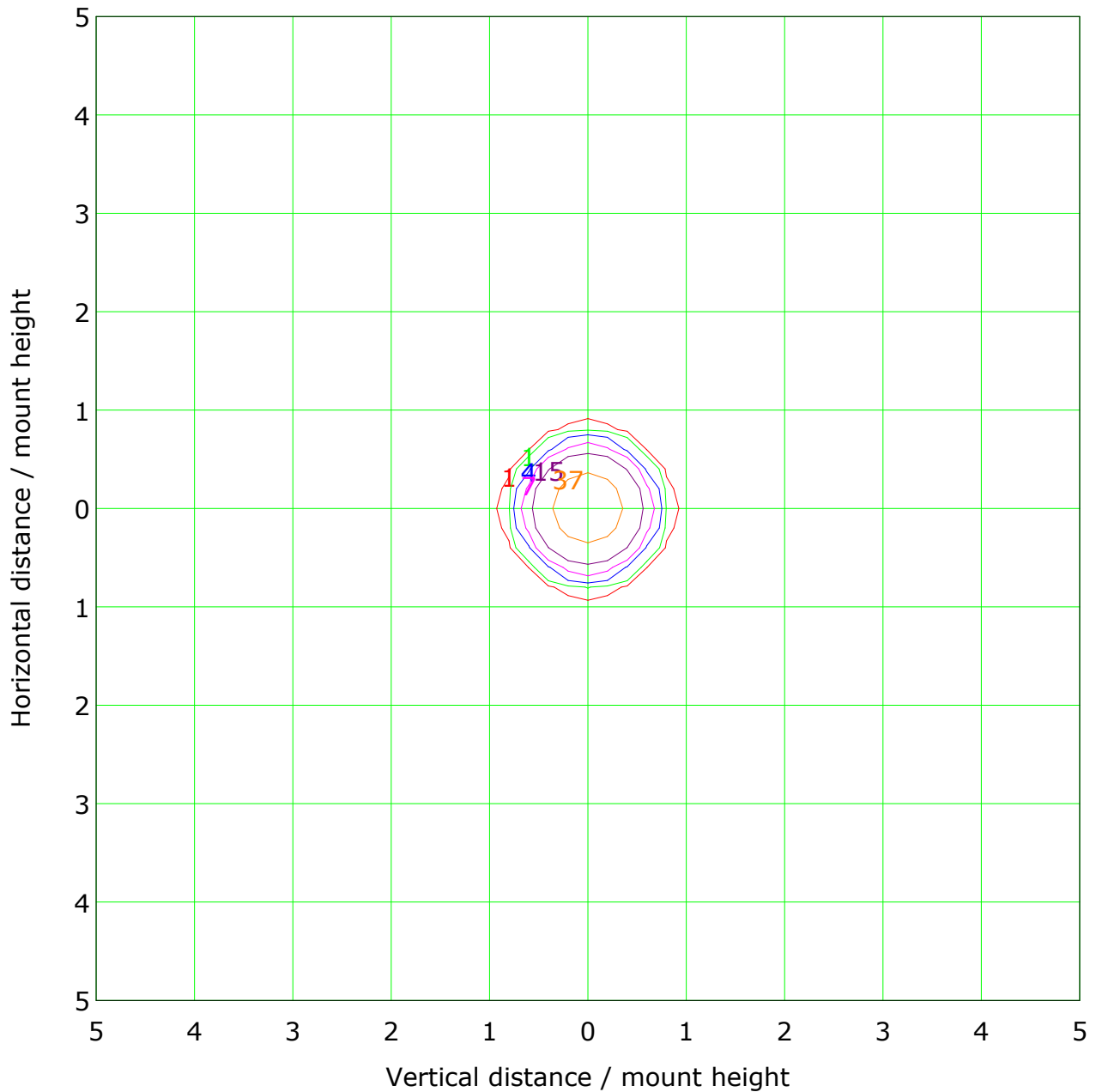
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

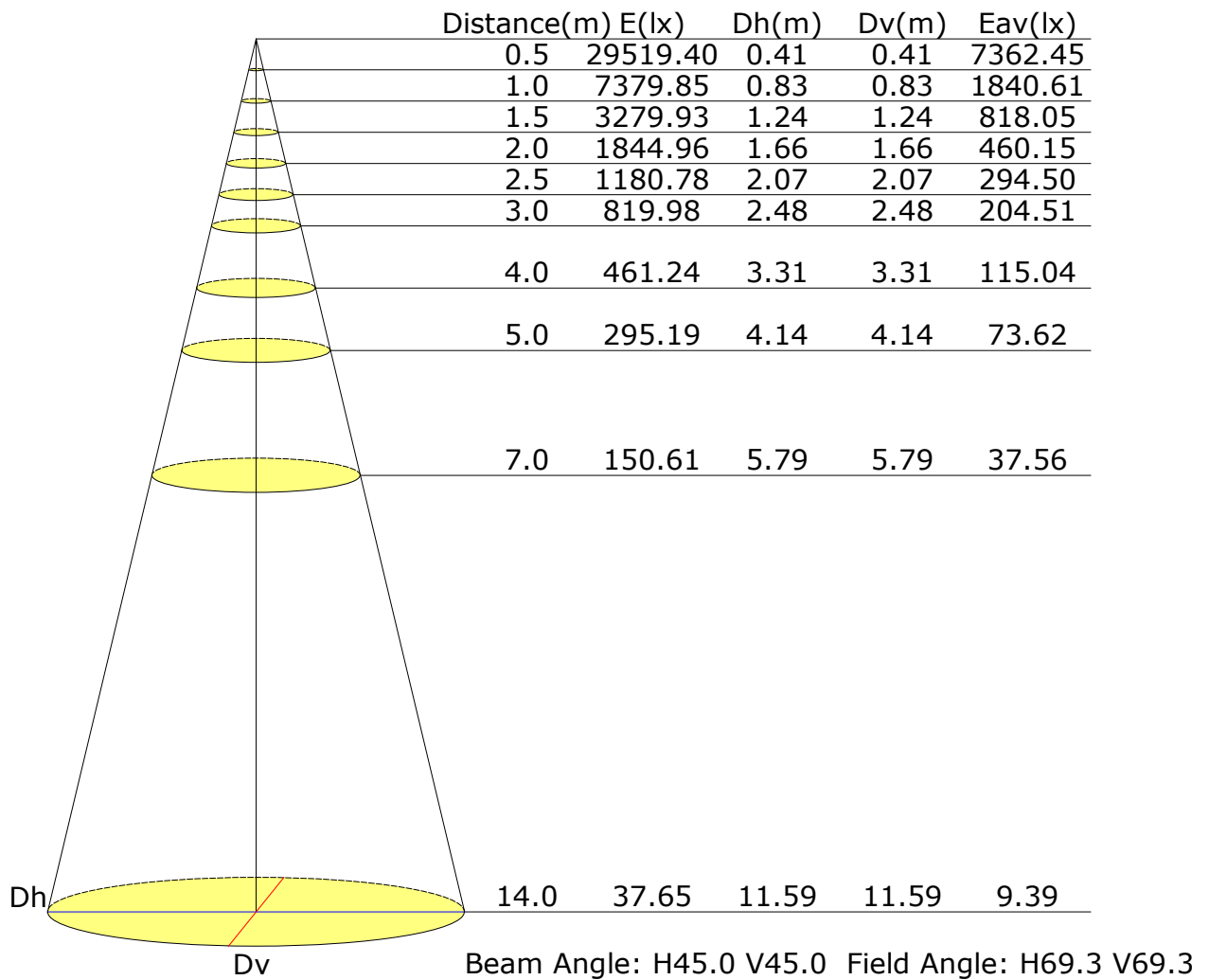


Mounting Height: 10m    Max Lux(100%): 75 lx			
— ( 1%):	1 lx	— ( 2%):	1 lx
— ( 5%):	4 lx	— ( 10%):	7 lx
— ( 20%):	15 lx	— ( 50%):	37 lx
— (100%):	75 lx		

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



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

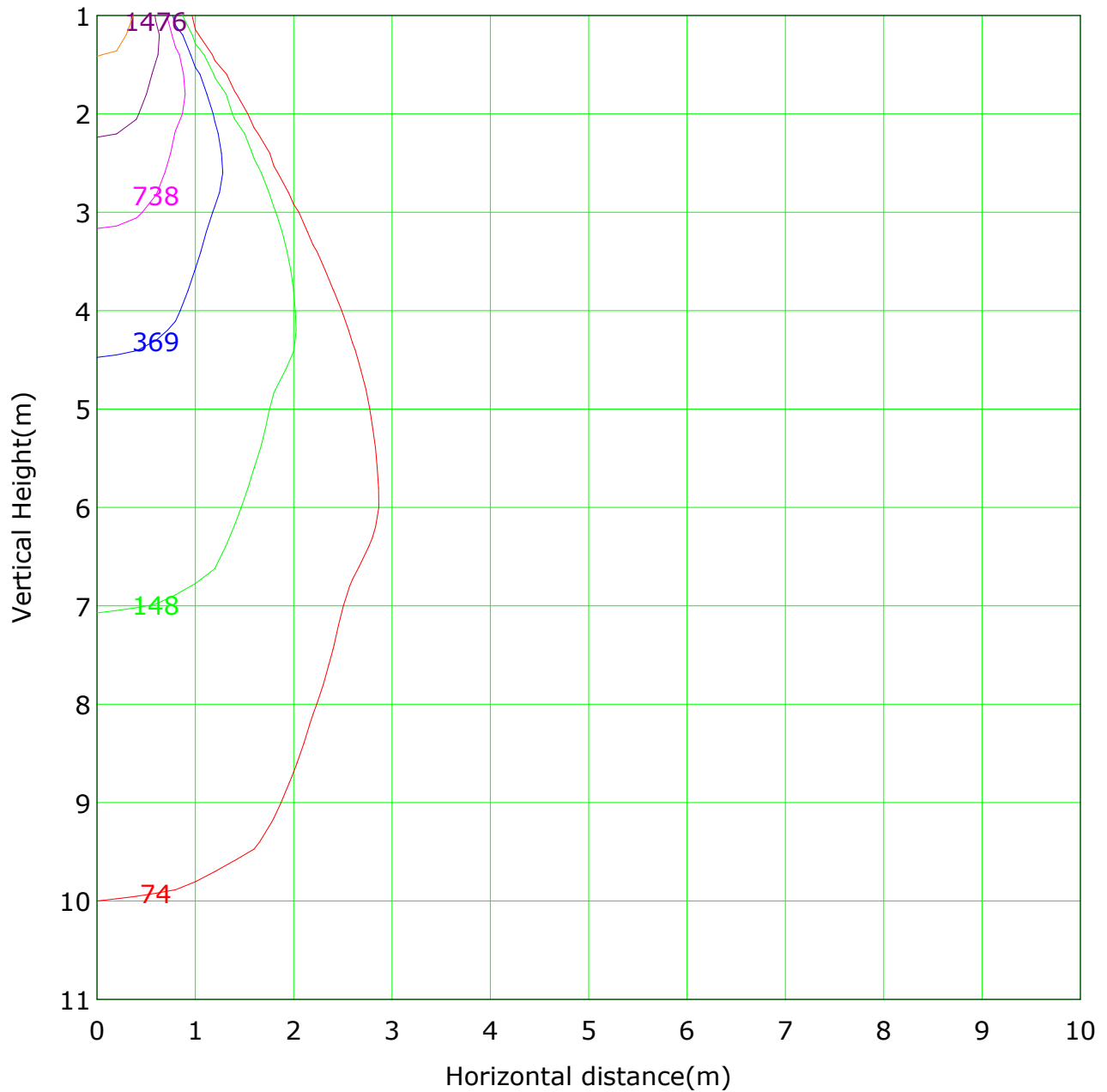
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Vertical IsoLux Plot

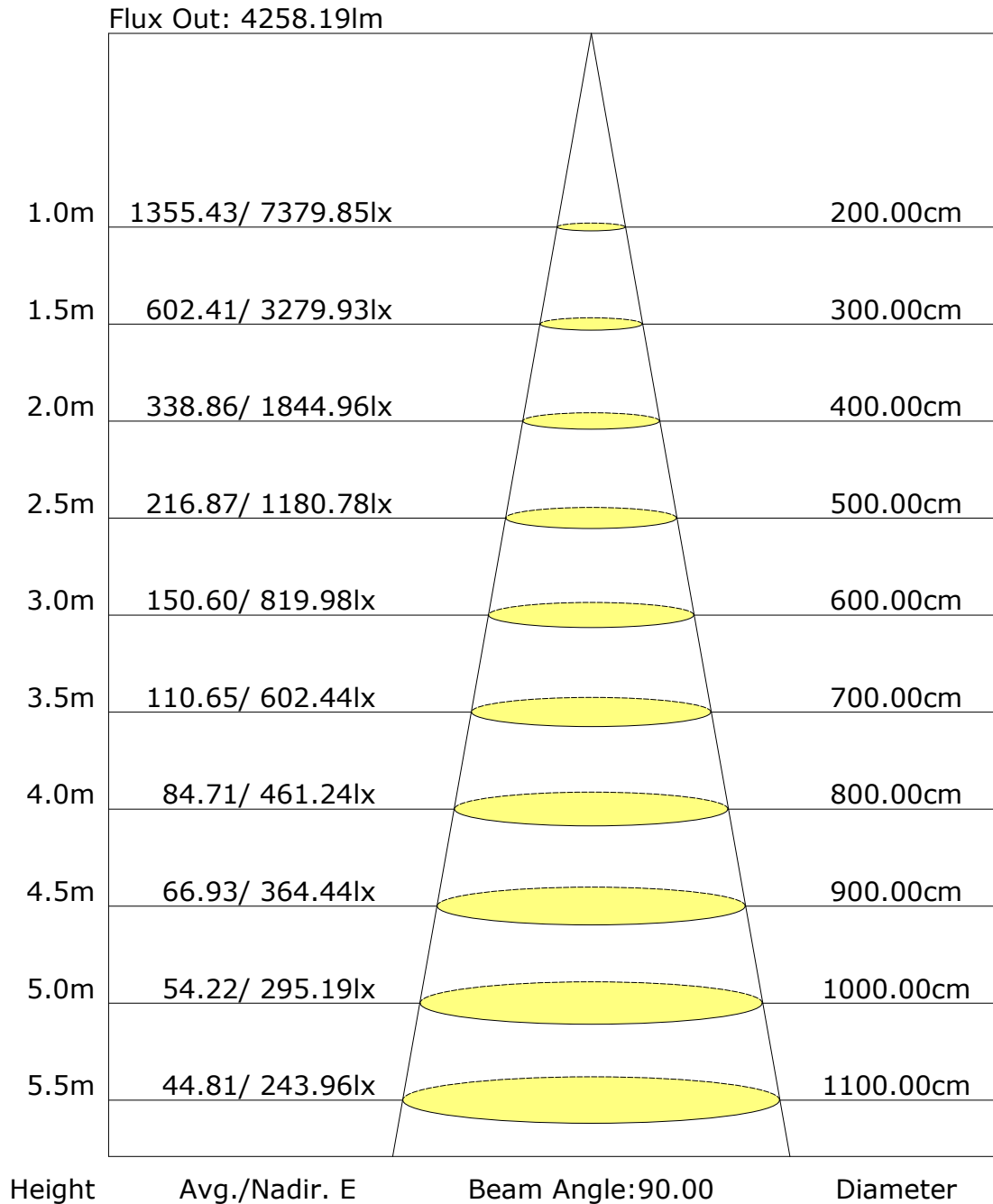


Lowest(m): 1m    Highest(m): 11    Max Lux: 7380  
— ( 1%): 74 lx    — ( 2%): 148 lx  
— ( 5%): 369 lx    — ( 10%): 738 lx  
— ( 20%): 1476 lx    — ( 50%): 3690 lx  
— (100%): 7380 lx

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: