

Report No.: 57.12511 DownLight Test Time: 2023-09-13 17:36

## Luminaire Property

Luminaire Category: Bridgelux F90 V10C 3000K CRI90

Voltage: 223.9 V

Current: 0.093 A

Power: 19.90 W

Power Factor: 0.950

## Photometric Results

CIE Class: Direct

Measurement Flux: 2313.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H39.3

Vertical Diffuse Angle(50%): V39.3

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 5352.8 cd

Total Rated Lamp Lumens: 2313.5 lm

Efficiency: 100%

Upward Ratio: 0%

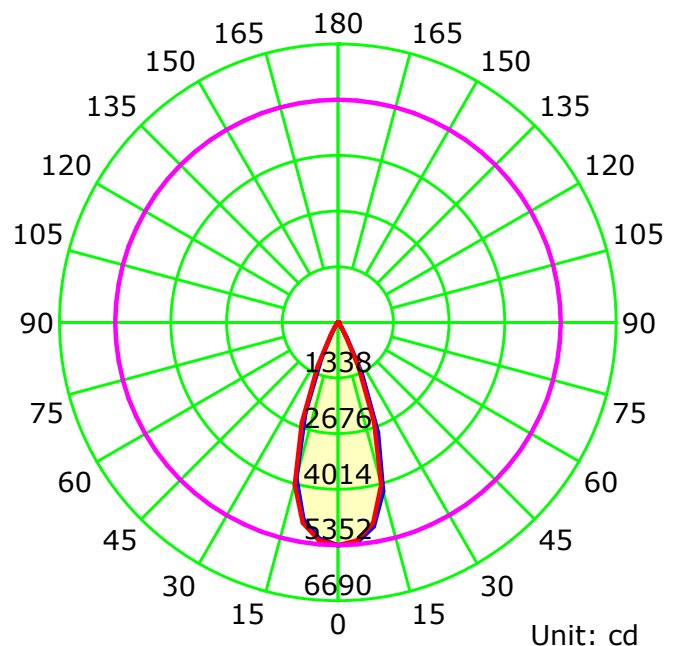
Central Intensity: 5352.8 cd

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

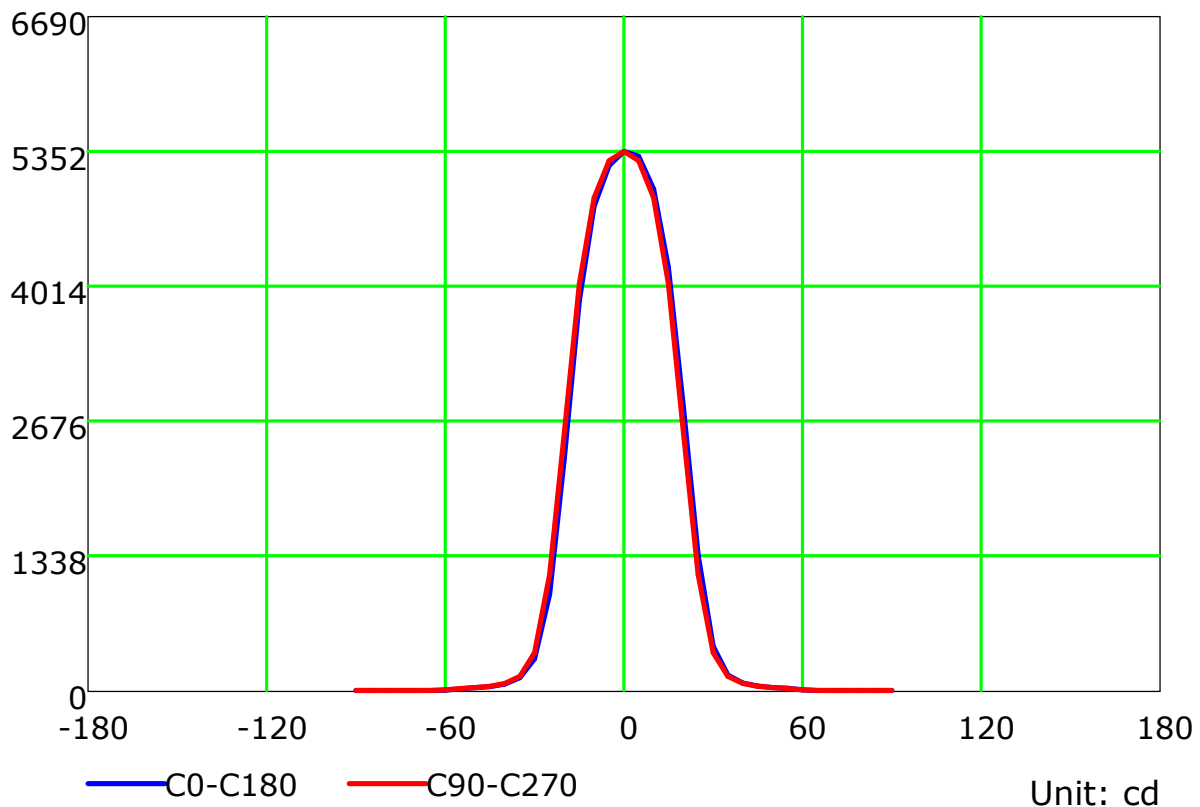
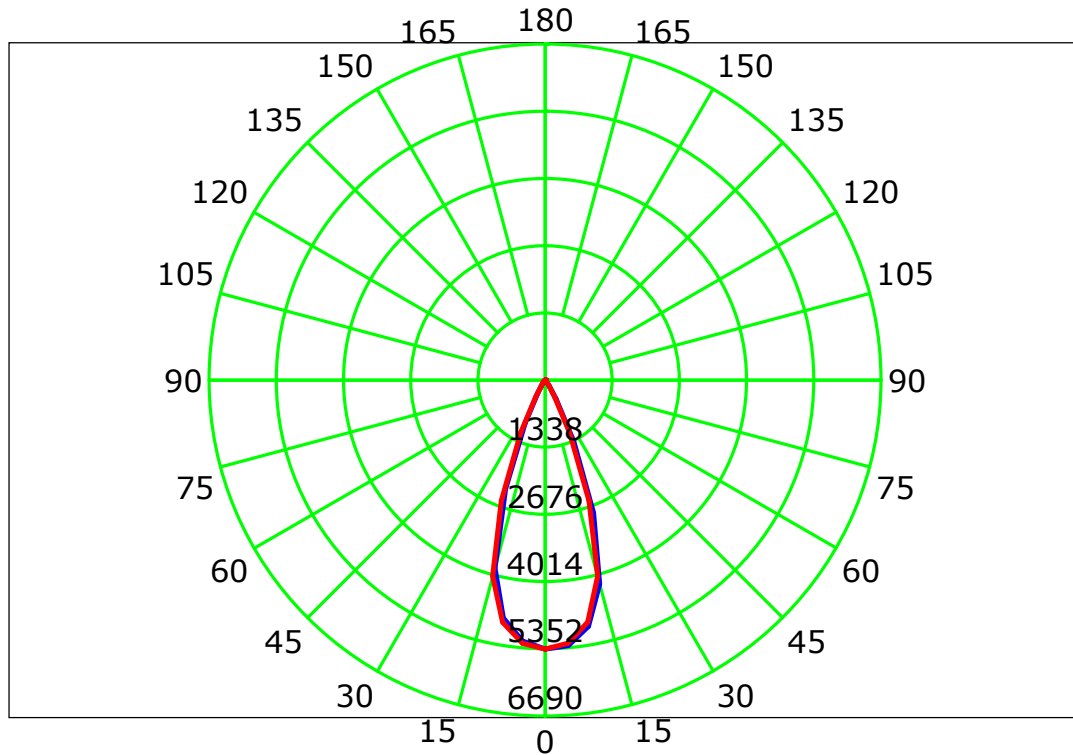
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

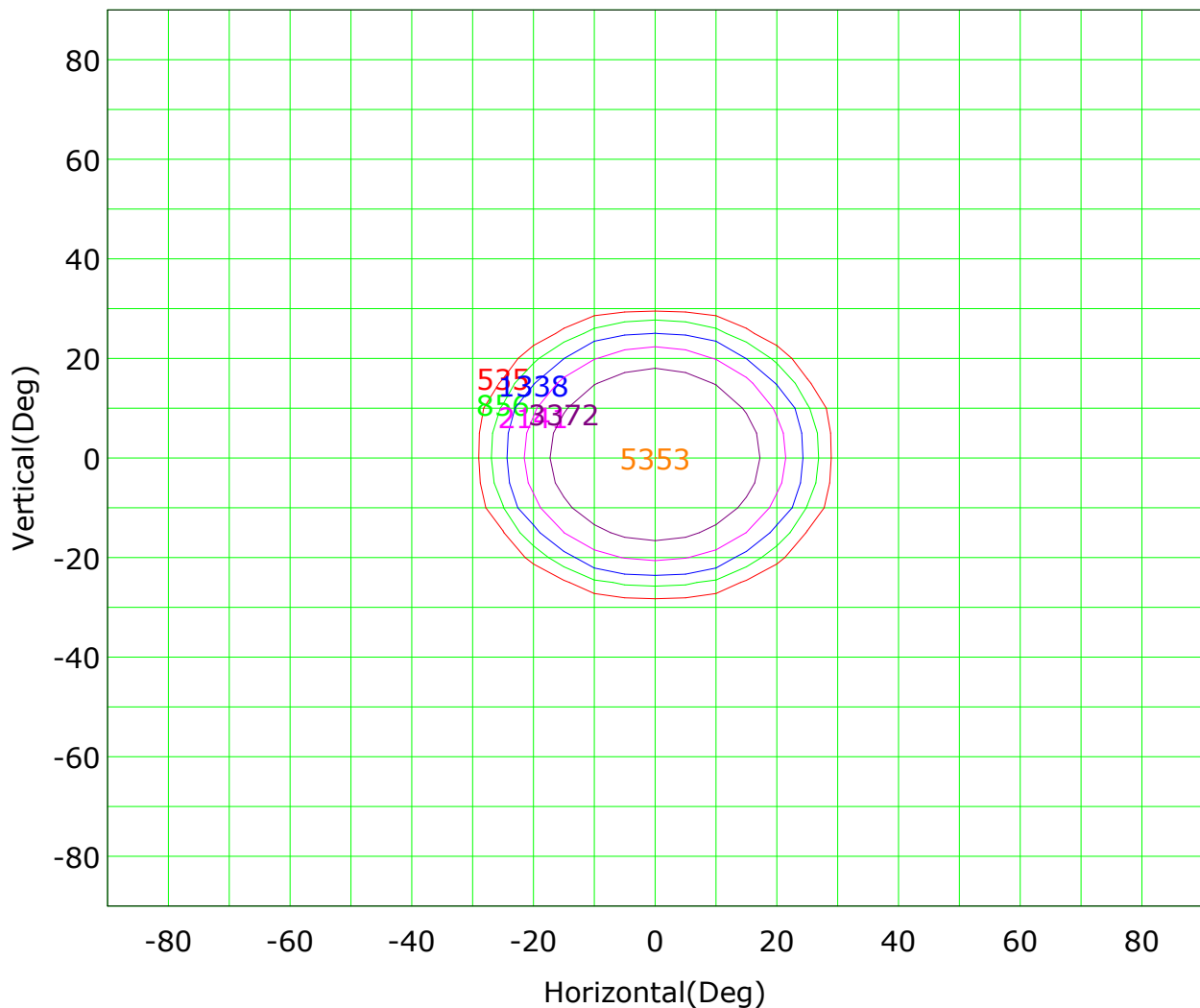
## Luminous Intensity Distribution Curve



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%): 5353 cd

( 10%): 535 cd	( 16%): 856 cd
( 25%): 1338 cd	( 40%): 2141 cd
( 63%): 3372 cd	(100%): 5353 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

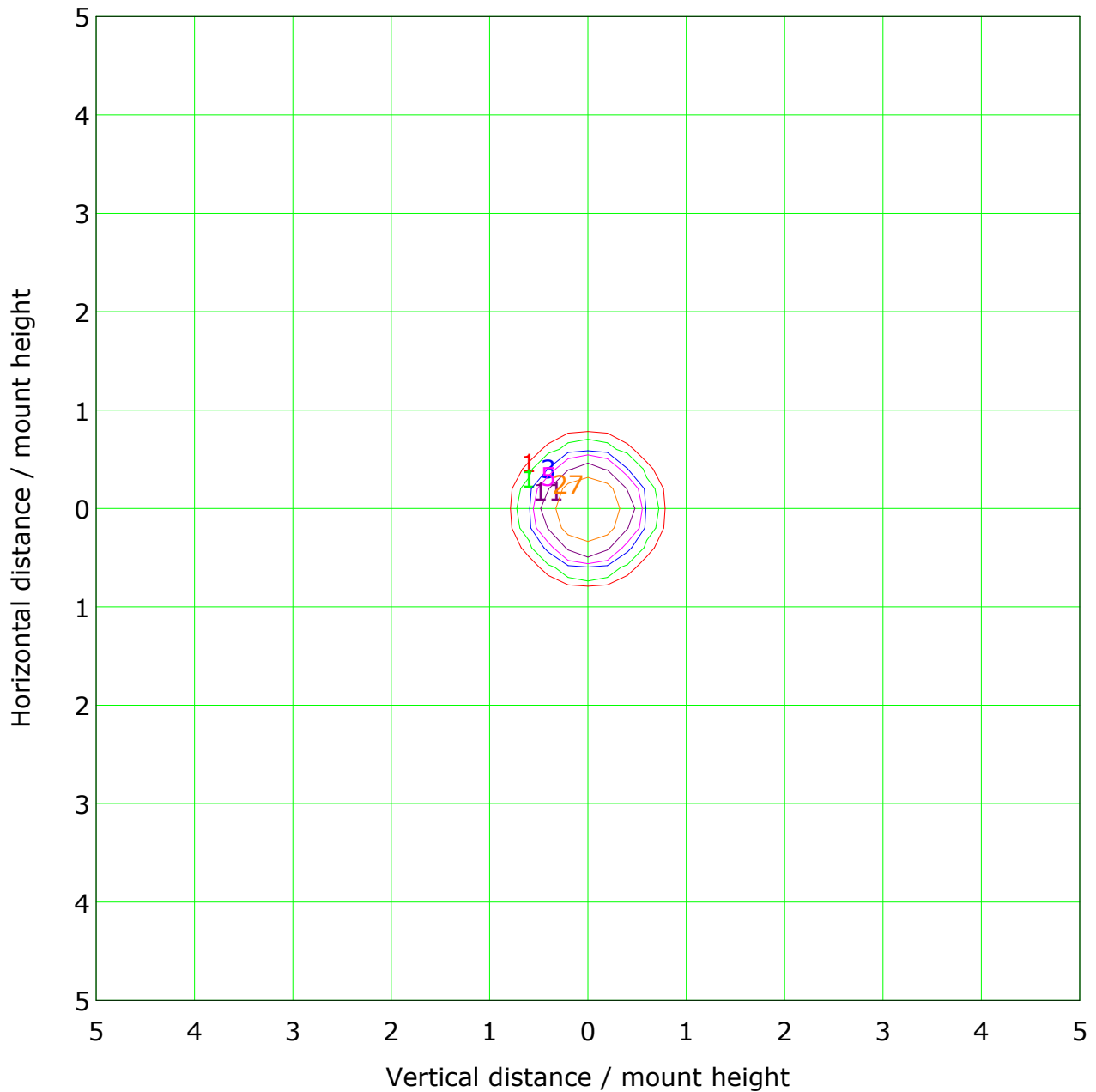
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot

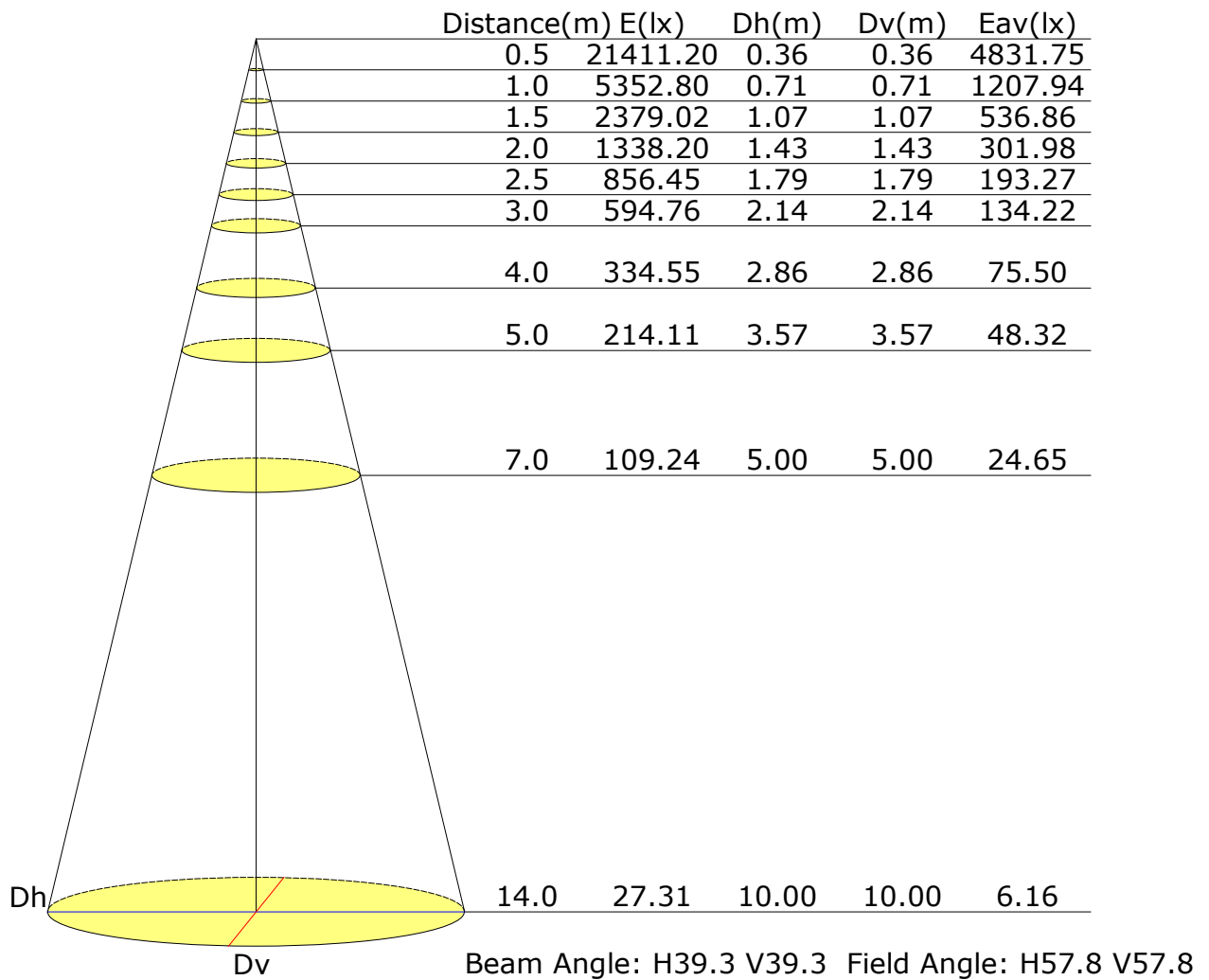


Mounting Height: 10m		Max Lux(100%): 54 lx	
( 1%):	1 lx	( 2%):	1 lx
( 5%):	3 lx	( 10%):	5 lx
( 20%):	11 lx	( 50%):	27 lx
(100%):	54 lx		

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

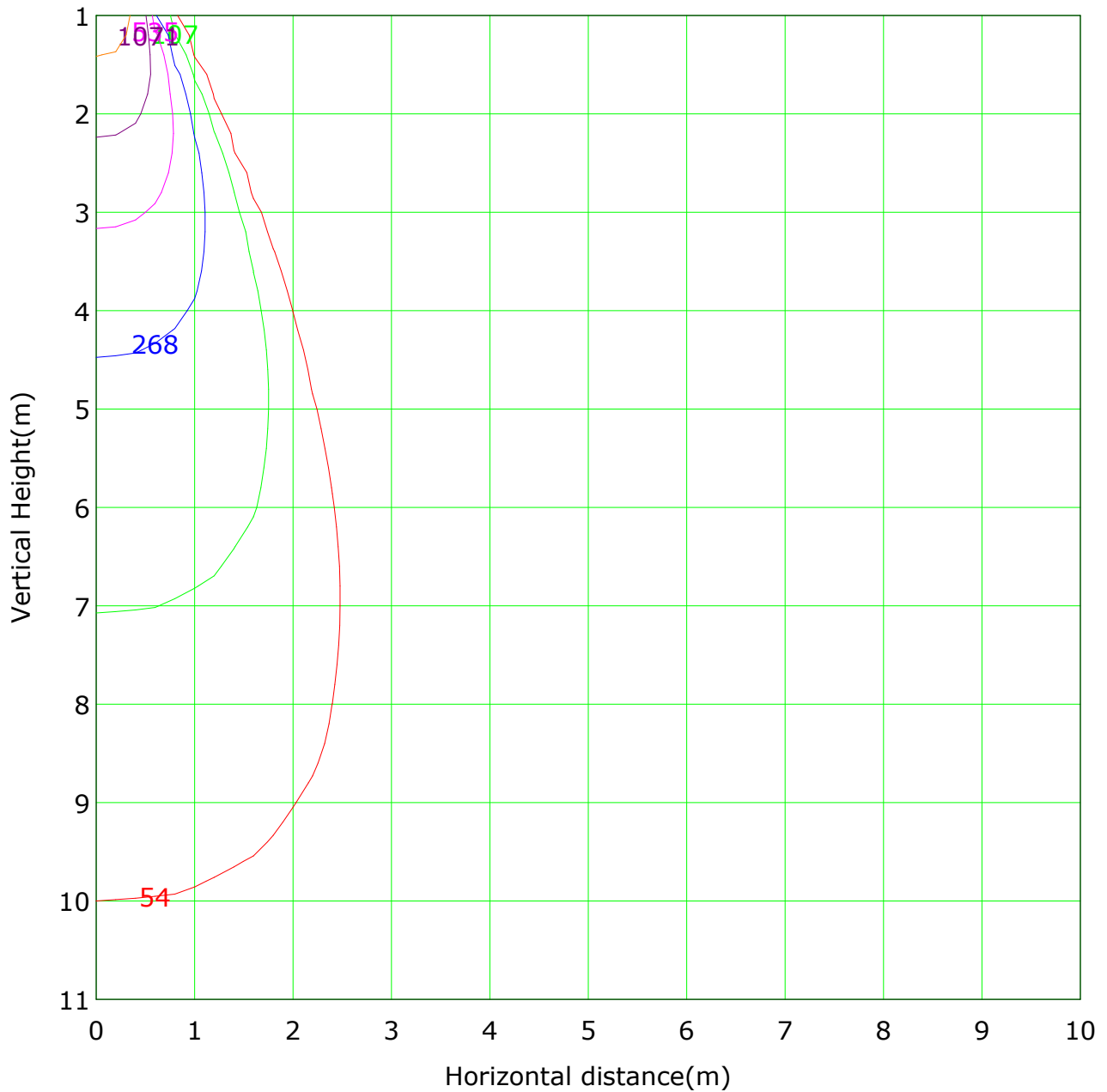
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Vertical IsoLux Plot



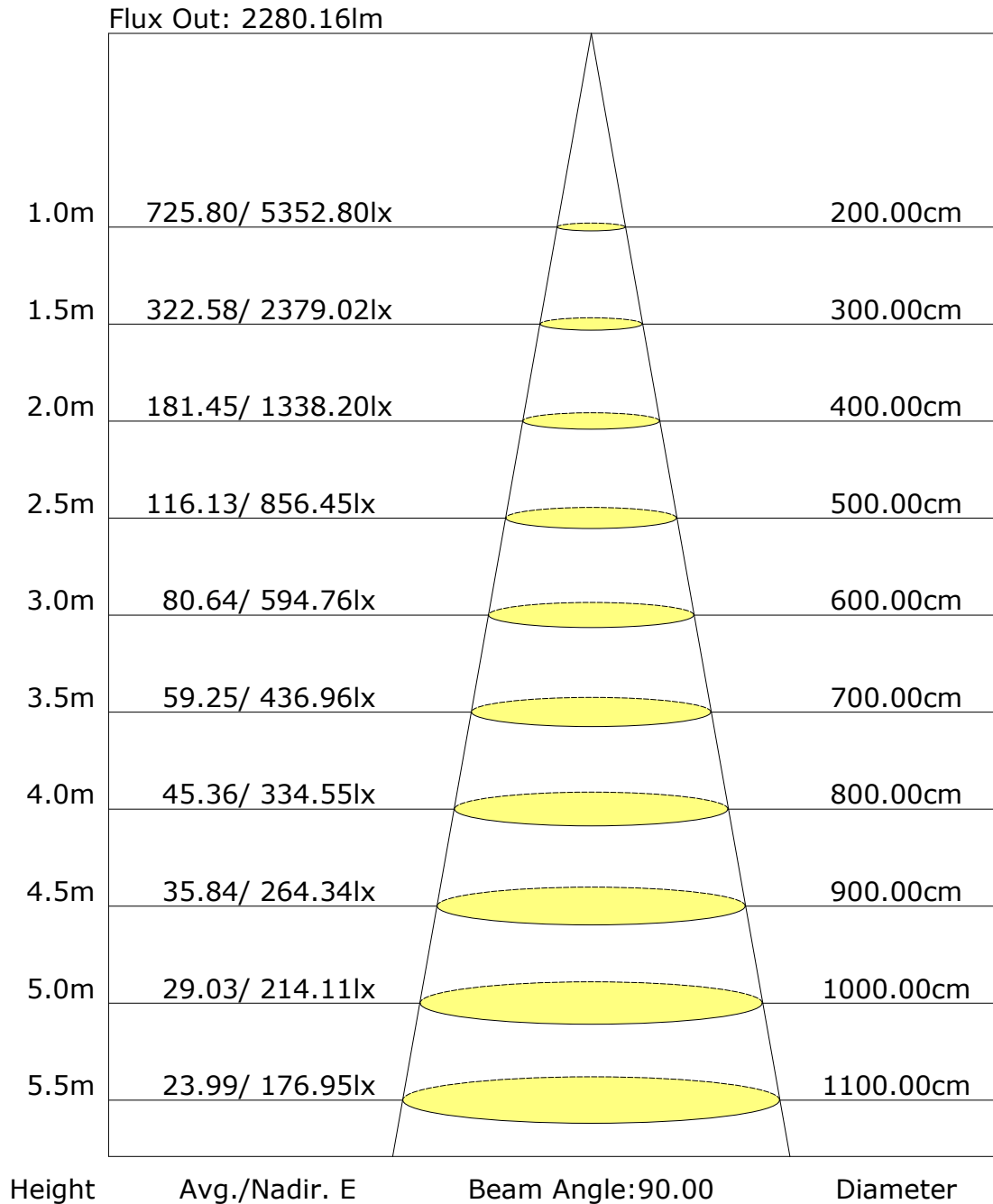
Lowest(m): 1m    Highest(m): 11    Max Lux: 5353

( 1%): 54 lx	( 2%): 107 lx
( 5%): 268 lx	( 10%): 535 lx
( 20%): 1071 lx	( 50%): 2676 lx
(100%): 5353 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: