

Report No.: 52.11012 DownLight

Test Time: 2023-09-28 15:11

Luminaire Property

Luminaire Category: Bridgelux V10 F90 4000K CRI90

Voltage: 224.3 V

Current: 0.112 A

Power: 24.30 W

Power Factor: 0.965

Photometric Results

CIE Class: Direct

Measurement Flux: 2393.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.3

Vertical Diffuse Angle(50%): V20.3

Luminaire Efficacy Rating (LER): 99

Max. Intensity: 13471.14 cd

Total Rated Lamp Lumens: 2393.8 lm

Efficiency: 100%

Upward Ratio: 0%

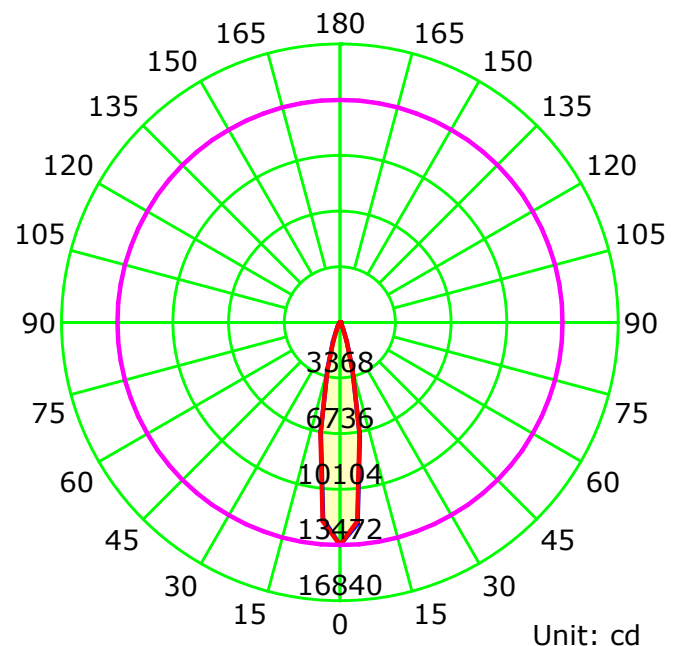
Central Intensity: 13471.14 cd

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

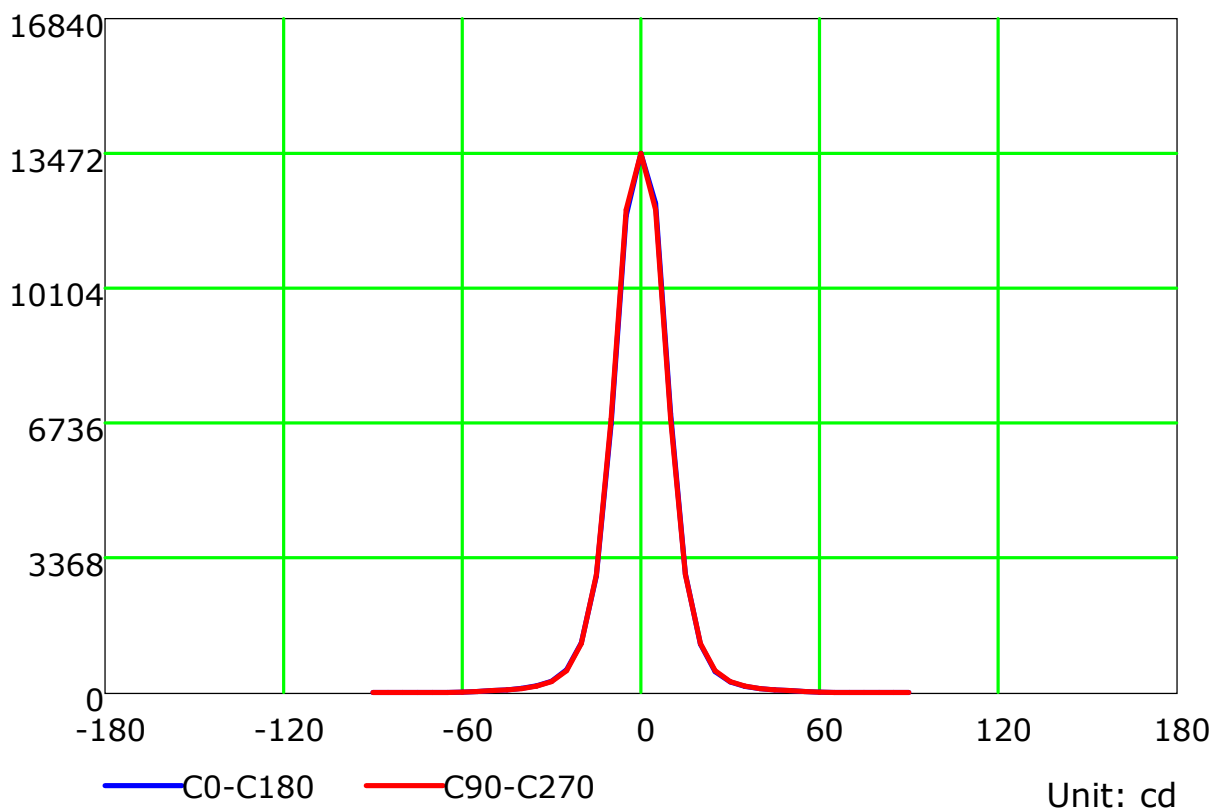
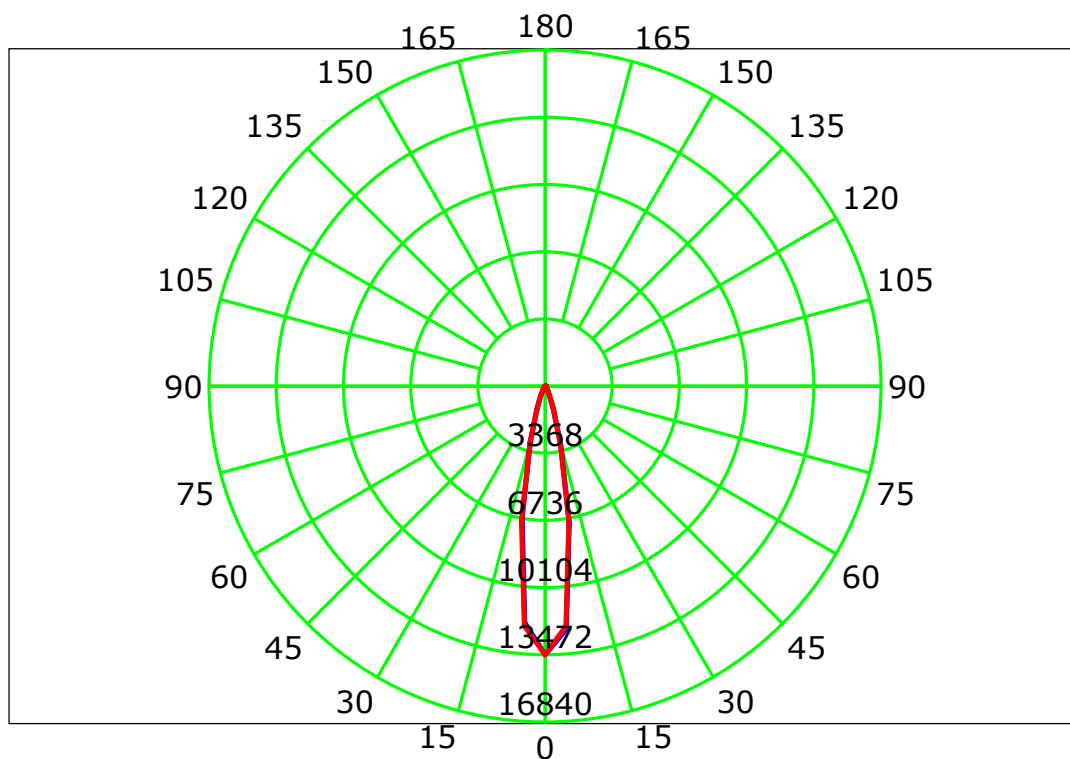
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

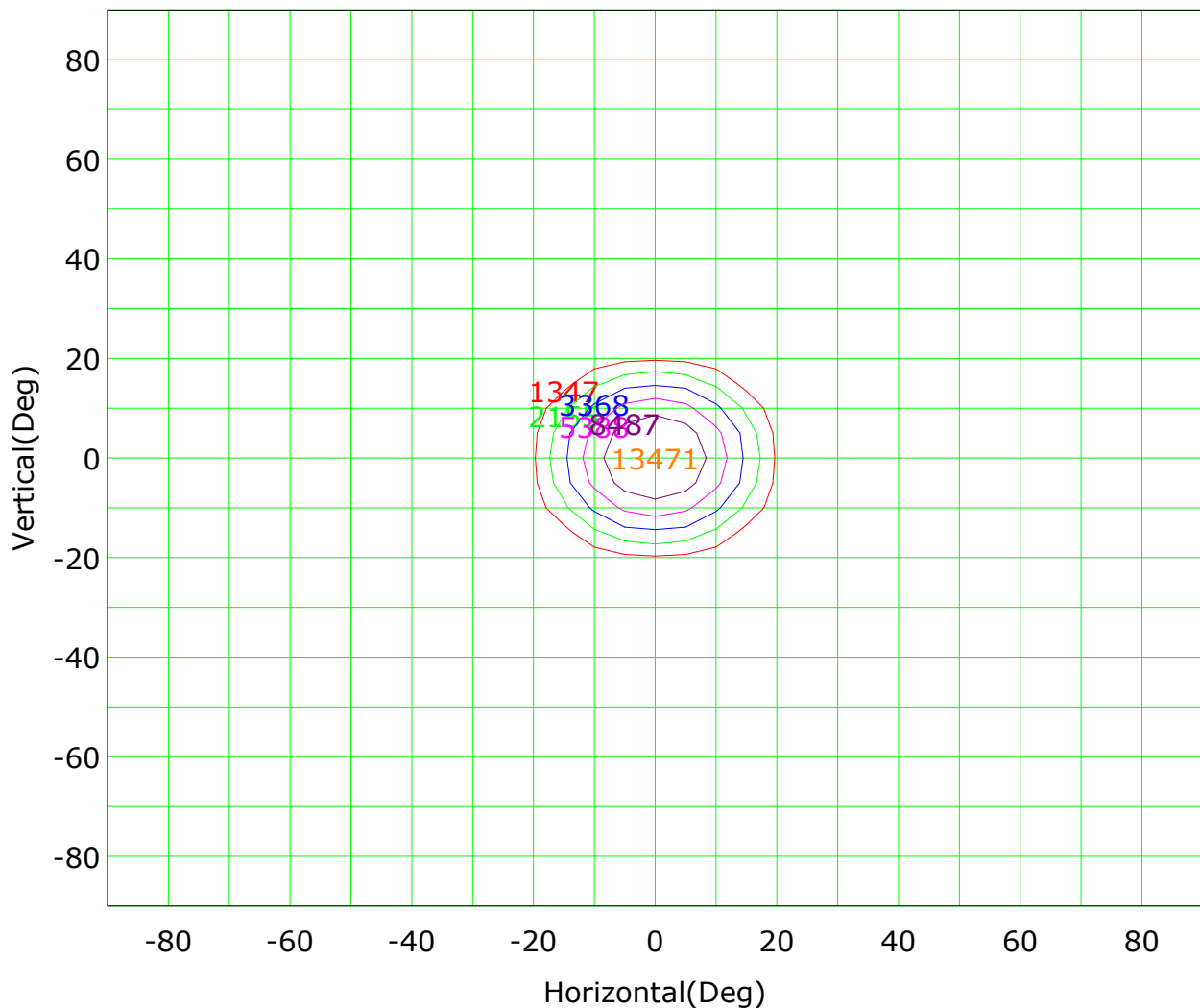
Luminous Intensity Distribution Curve



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%): 13471 cd

(10%): 1347 cd	(16%): 2155 cd
(25%): 3368 cd	(40%): 5388 cd
(63%): 8487 cd	(100%): 13471 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

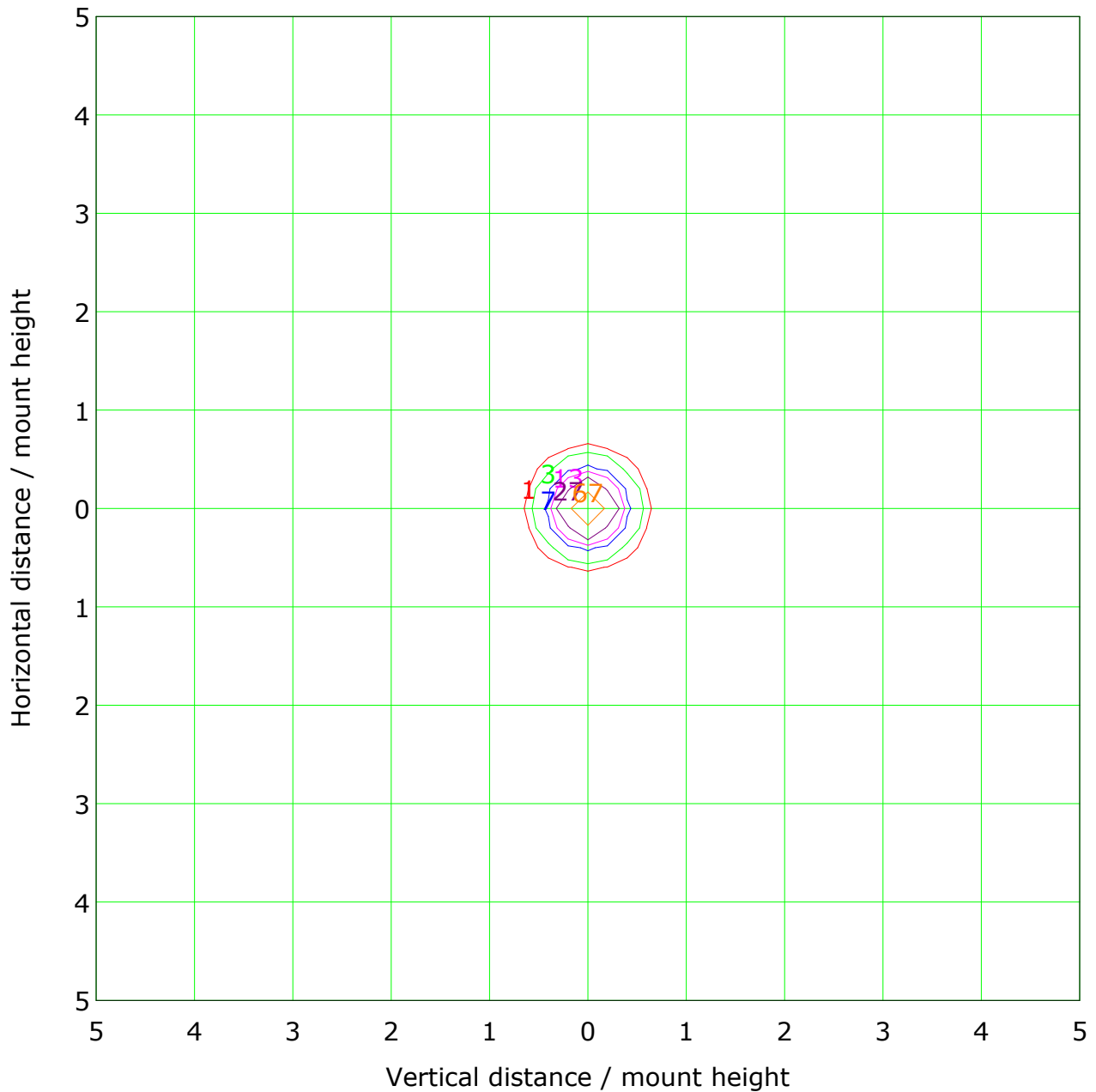
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 135 lx	
(1%):	1 lx	(2%):	3 lx
(5%):	7 lx	(10%):	13 lx
(20%):	27 lx	(50%):	67 lx
(100%):	135 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

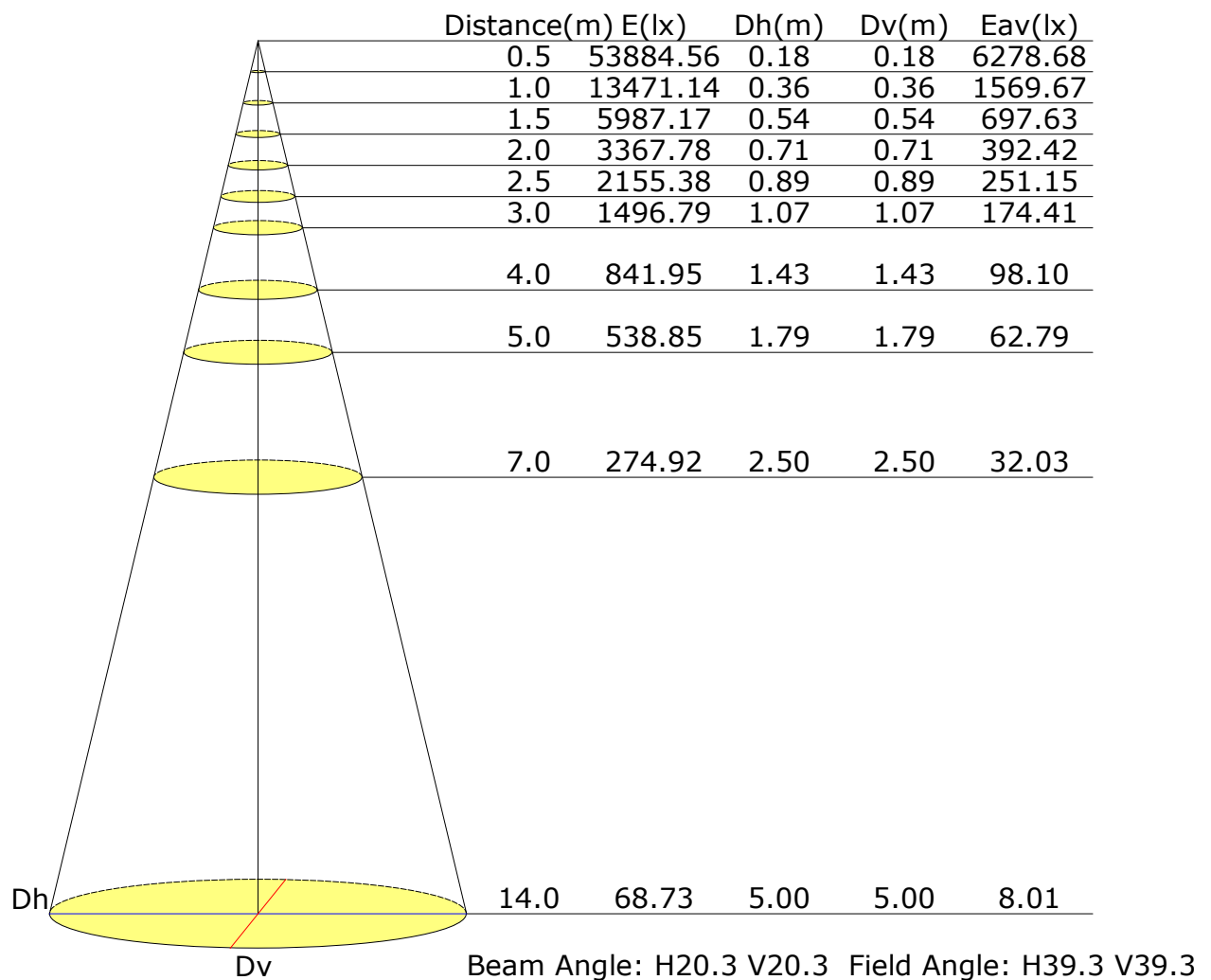
Test Device: CHL-6E

Distance: 3.000 m

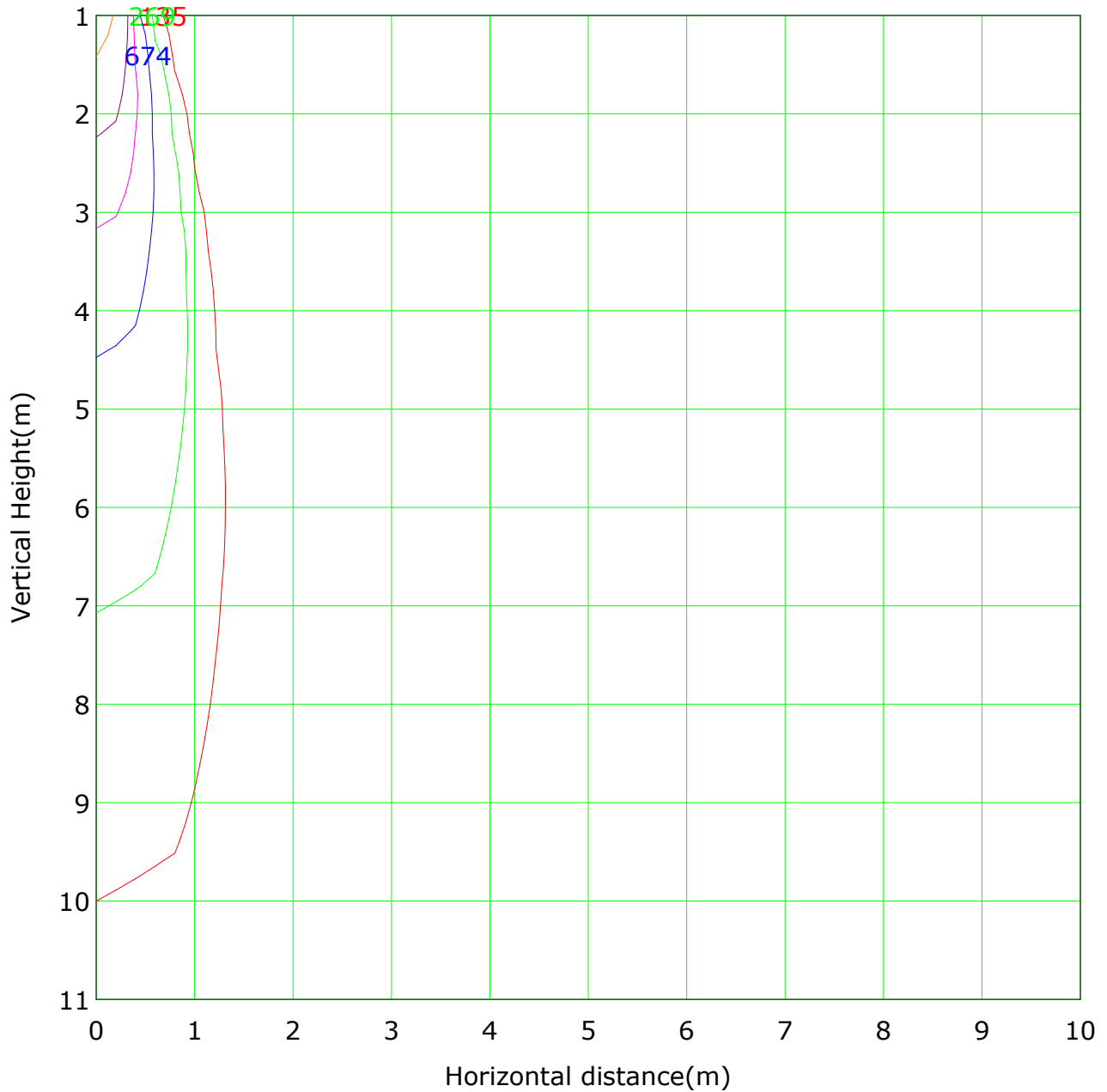
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 13471

(1%): 135 lx	(2%): 269 lx
(5%): 674 lx	(10%): 1347 lx
(20%): 2694 lx	(50%): 6736 lx
(100%): 13471 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

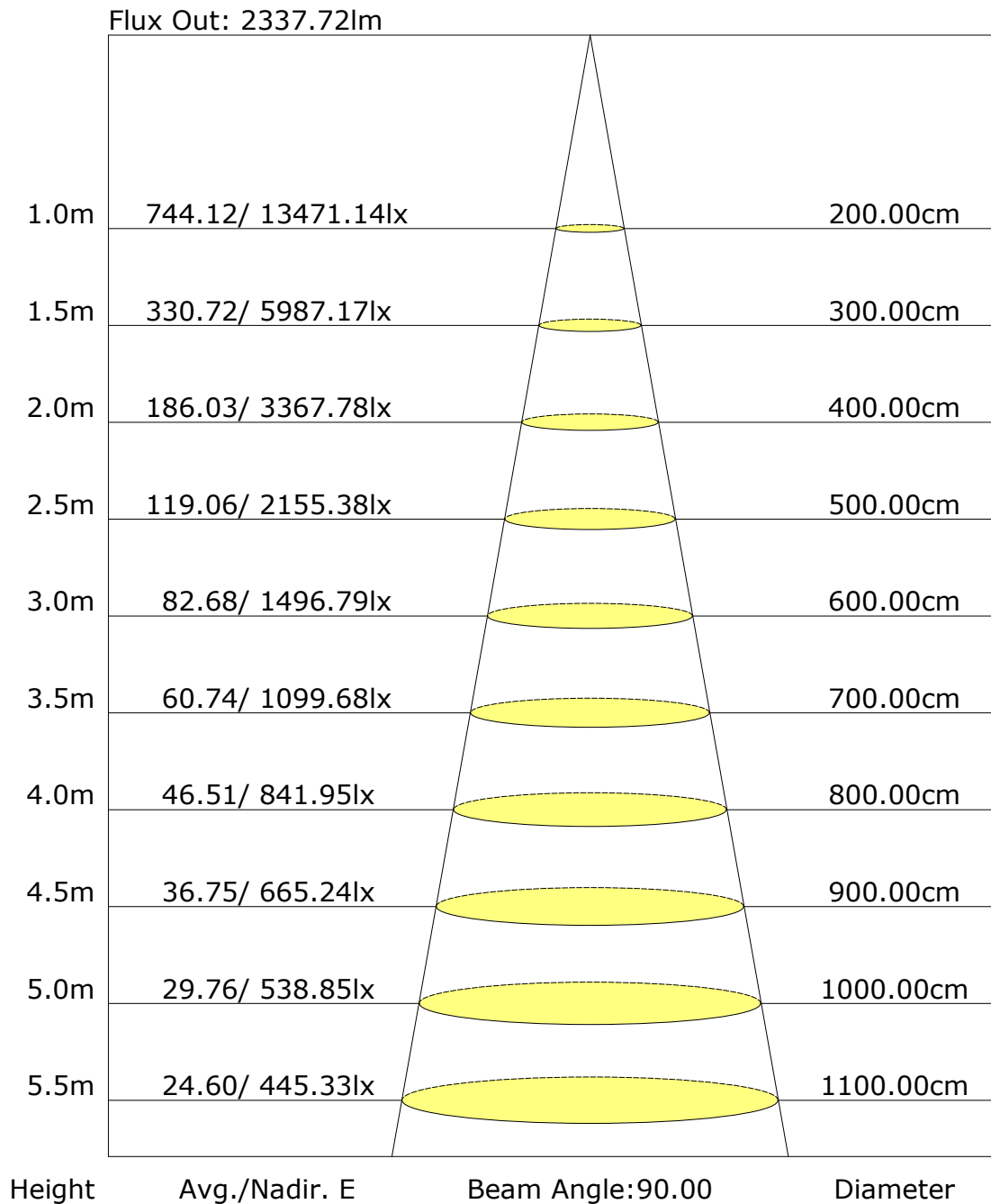
Test Device: CHL-6E

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: