

Report No.: 56.05518 EMMA DownLight

Test Time: 2023-09-09 14:36

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 219.4 V

Current: 0.122 A

Power: 14.50 W

Power Factor: 0.541

Photometric Results

CIE Class: Direct

Measurement Flux: 1598.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H18.5

Vertical Diffuse Angle(50%): V18.5

Luminaire Efficacy Rating (LER): 110

Max. Intensity: 11872.59 cd

Total Rated Lamp Lumens: 1598.2 lm

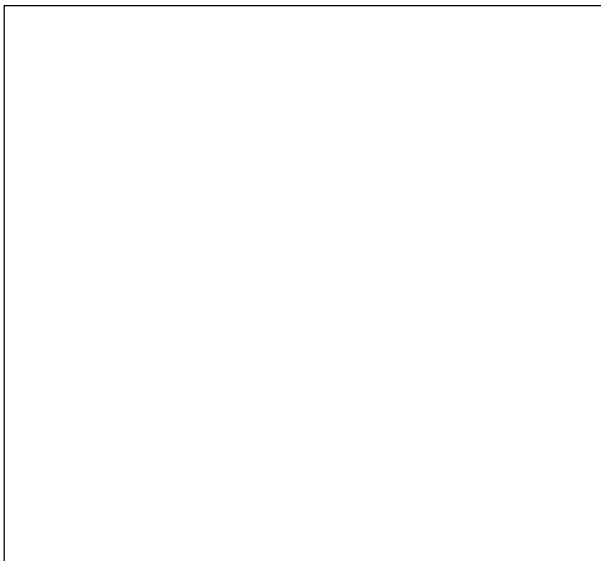
Efficiency: 100%

Upward Ratio: 0%

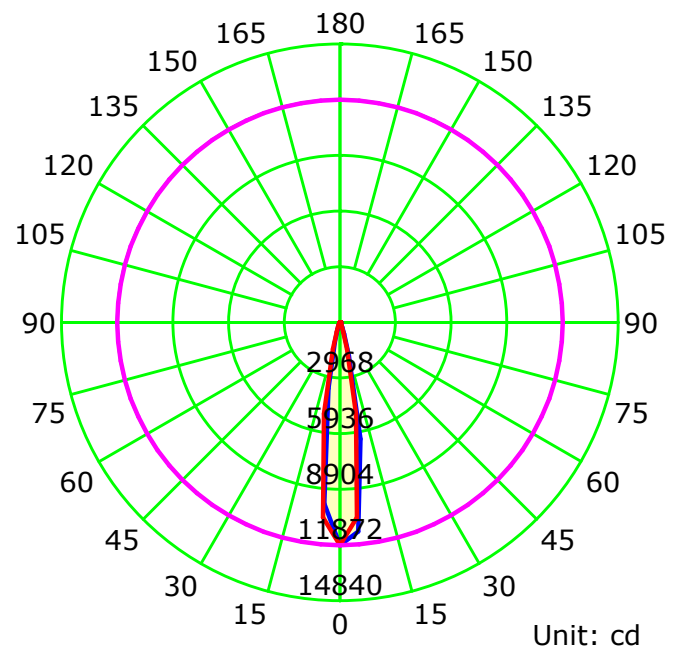
Central Intensity: 11872.59 cd

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

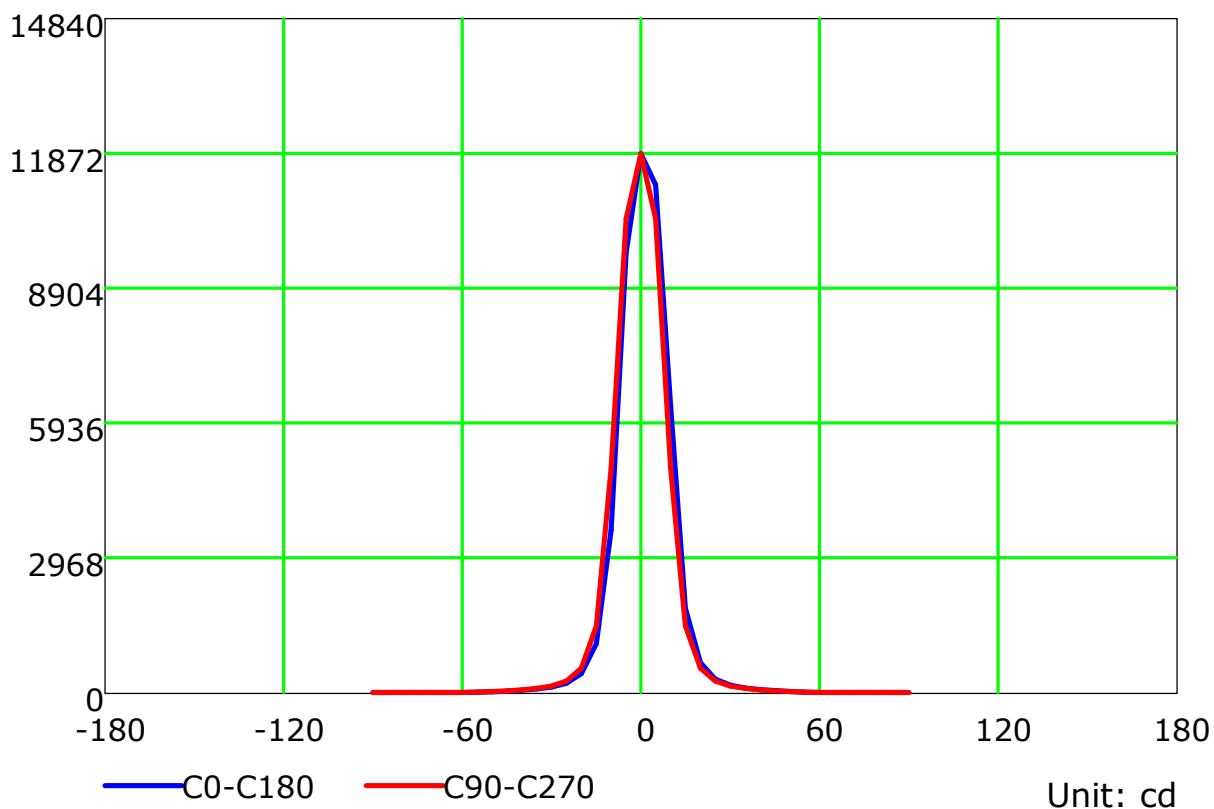
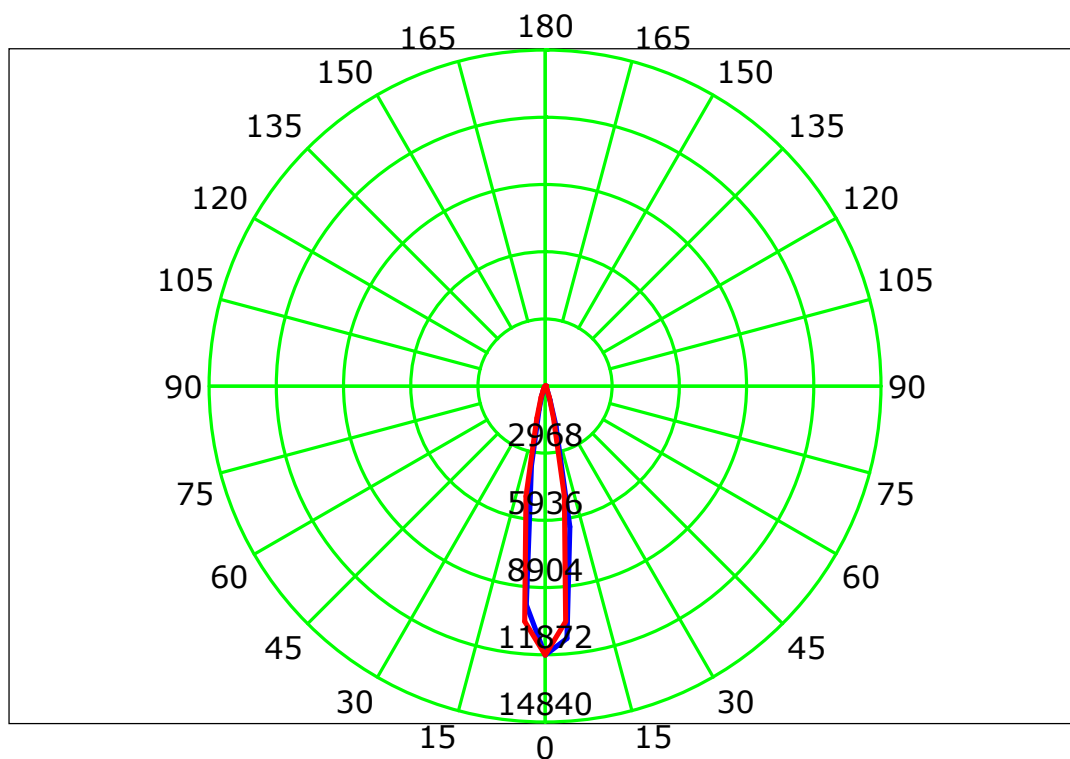
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

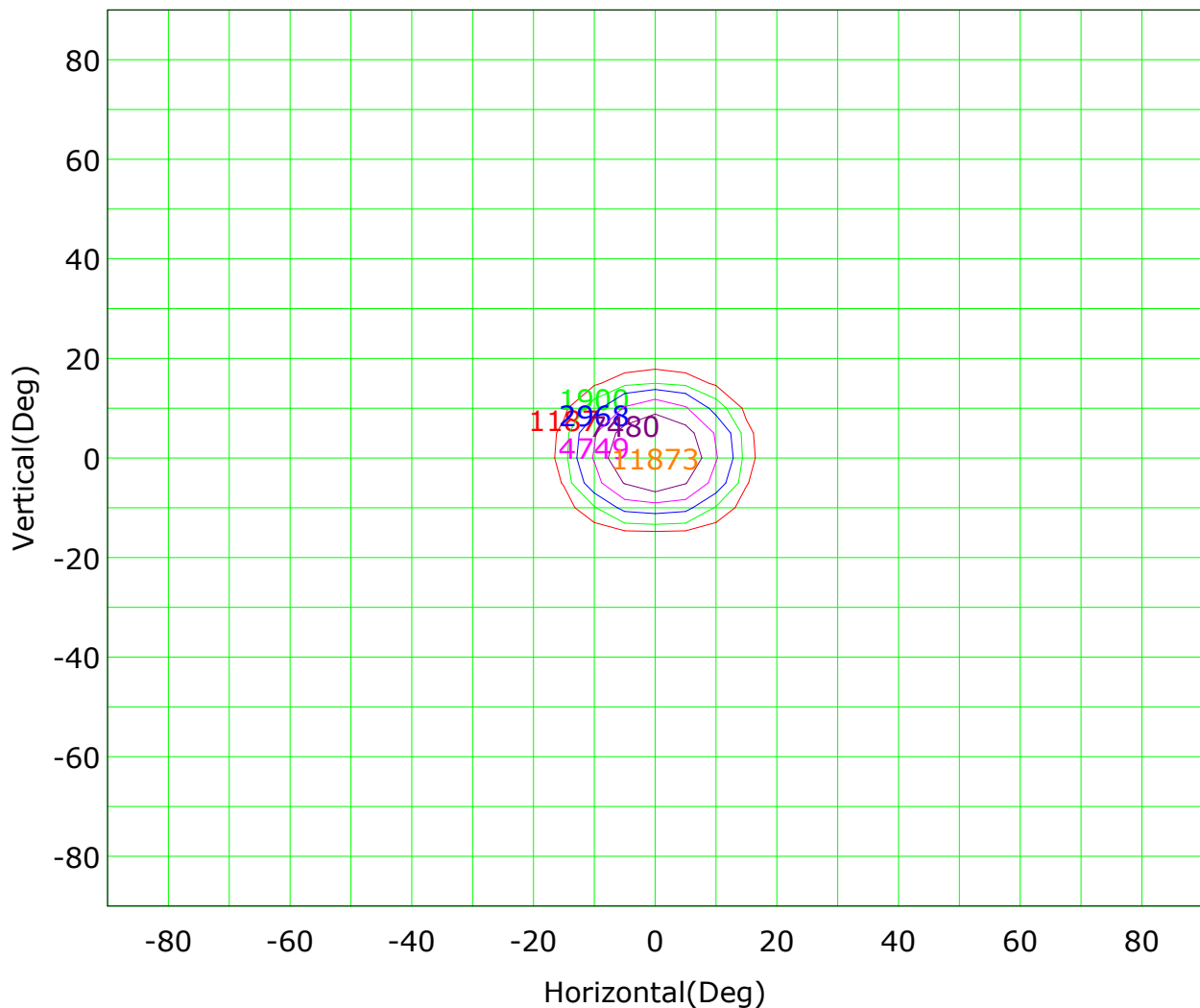
Luminous Intensity Distribution Curve



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%): 11873 cd

(10%): 1187 cd	(16%): 1900 cd
(25%): 2968 cd	(40%): 4749 cd
(63%): 7480 cd	(100%): 11873 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

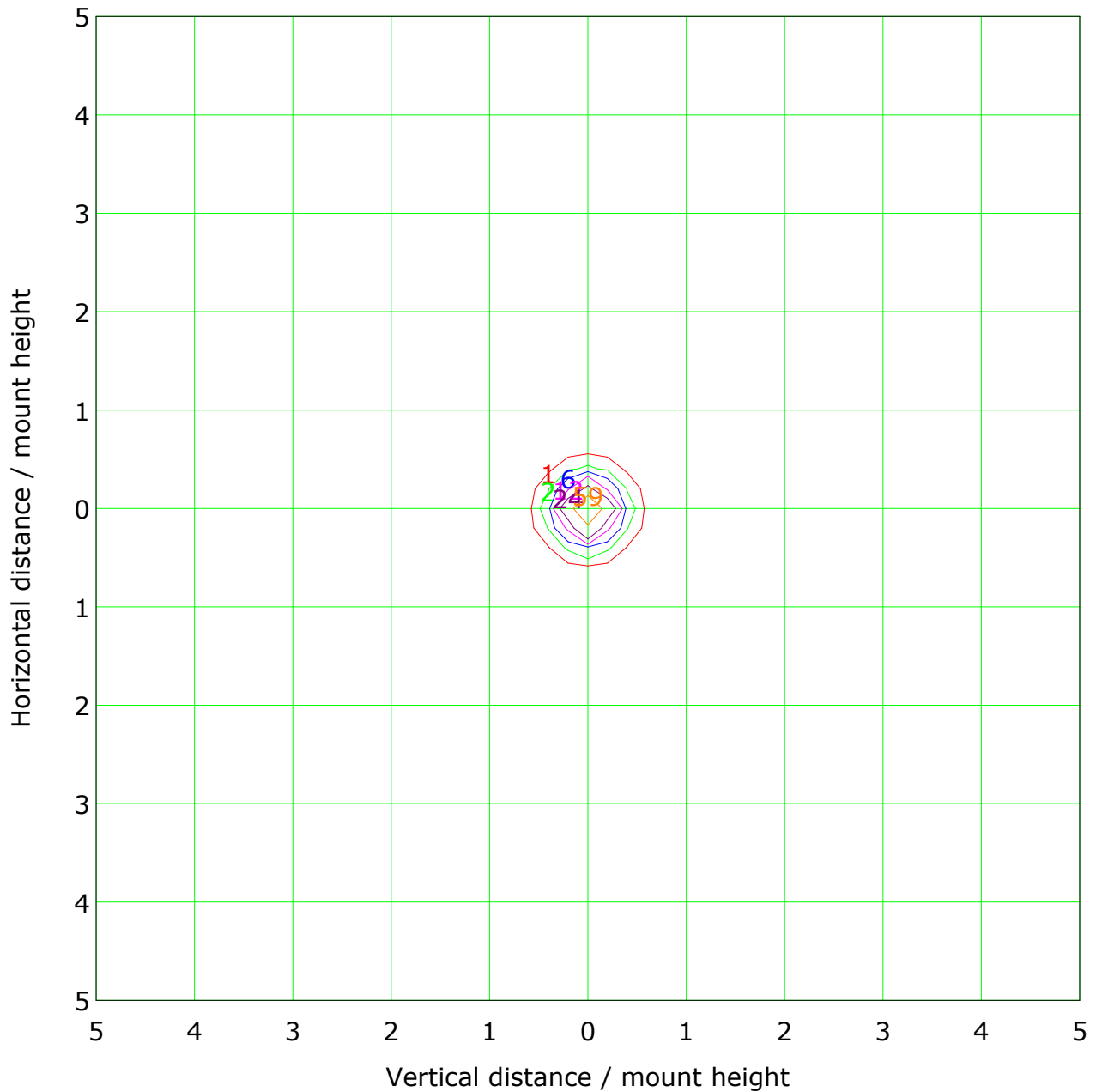
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 119 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	6 lx	(10%):	12 lx
(20%):	24 lx	(50%):	59 lx
(100%):	119 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

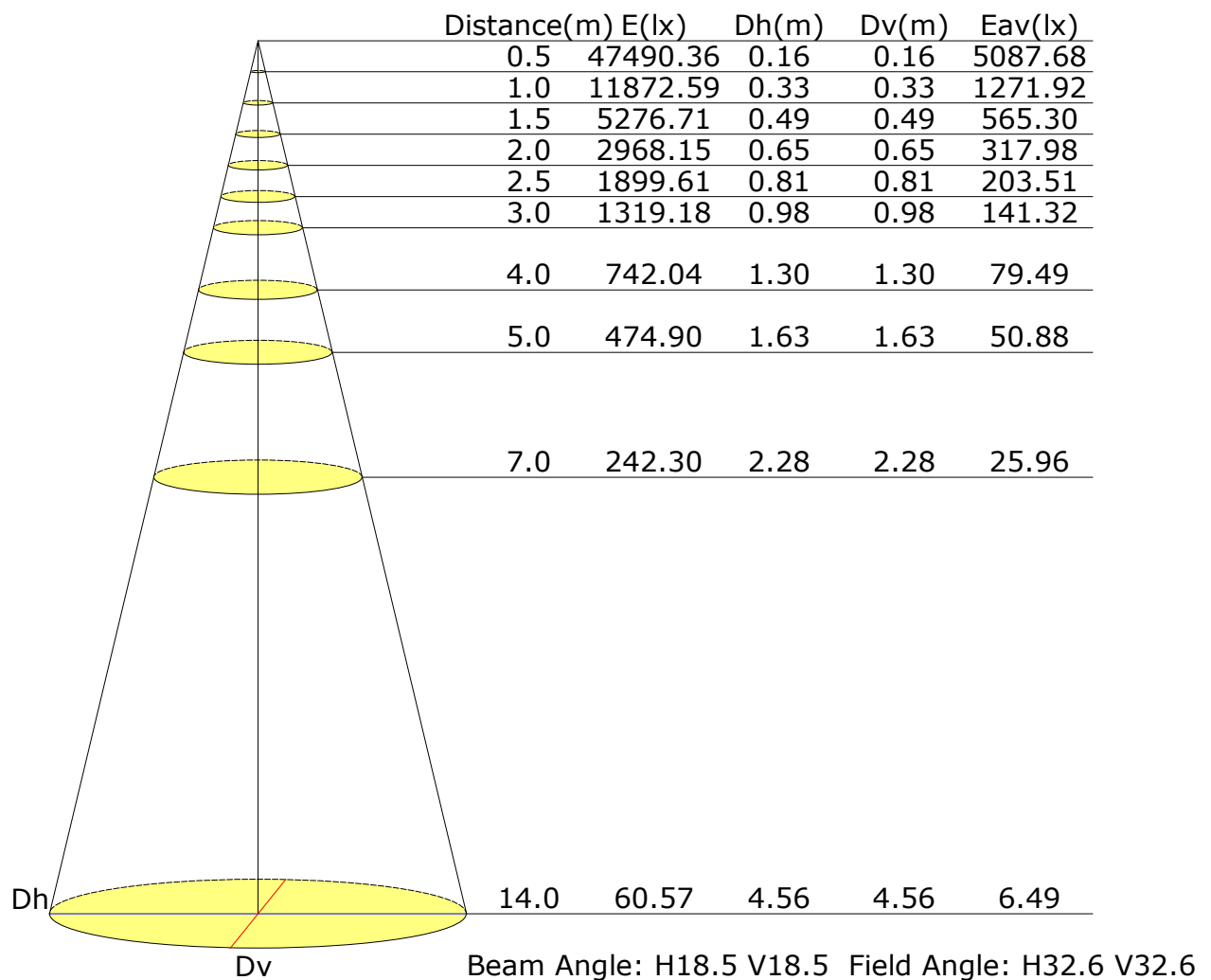
Test Device: CHL-6E

Distance: 3.000 m

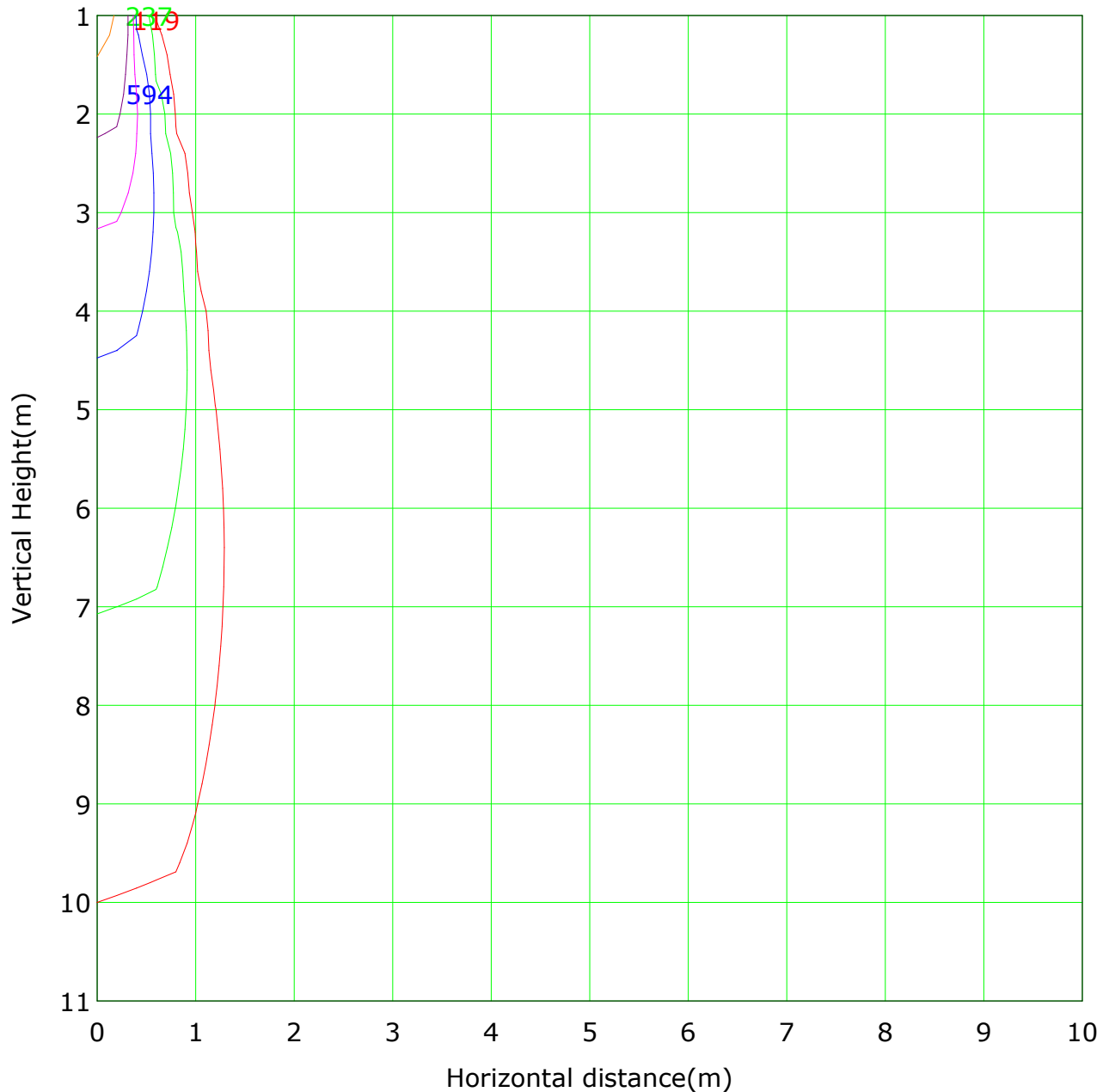
Humidity:

Inspector:

Illuminance at a Distance

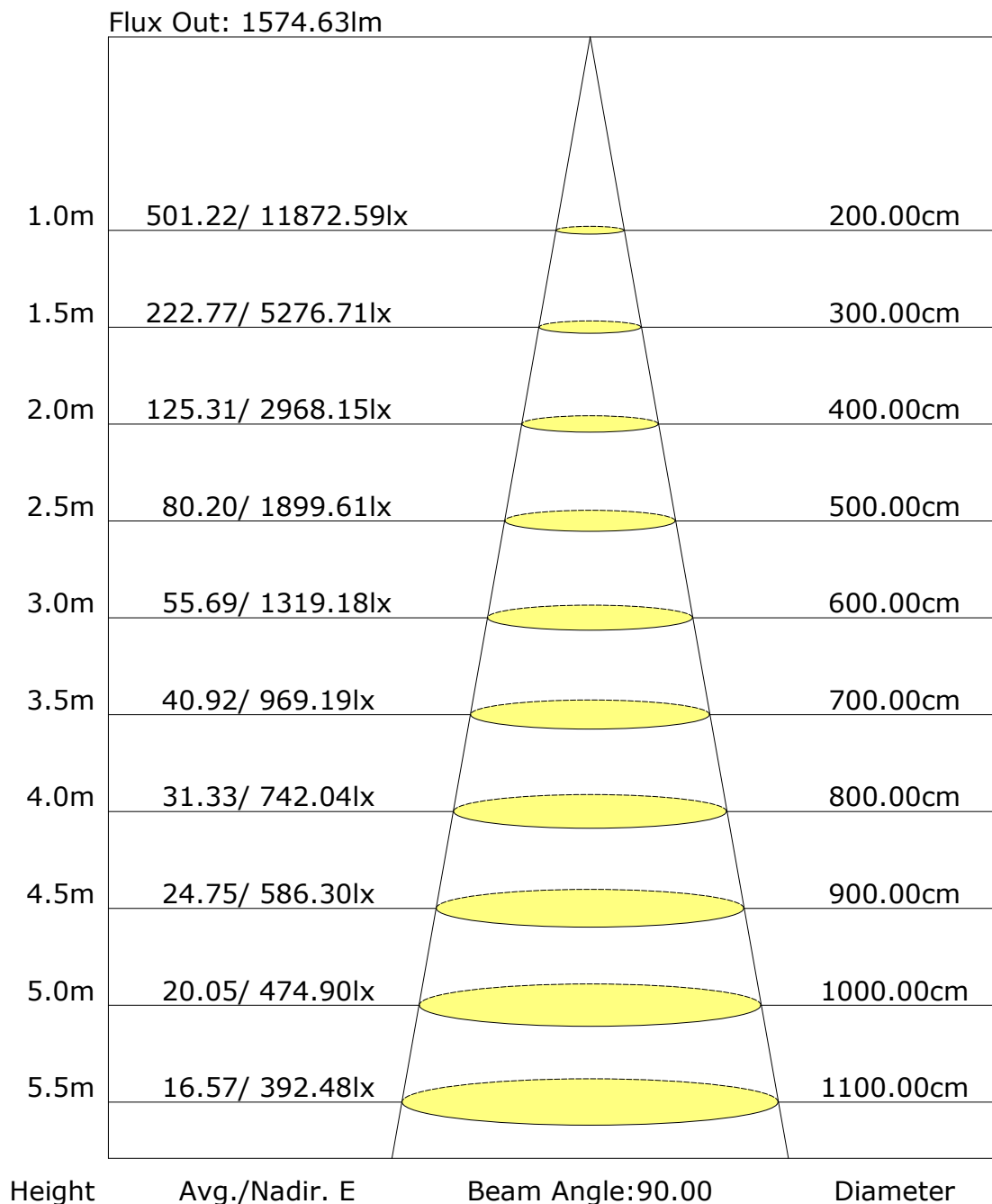


Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 11873
— (1%): 119 lx — (2%): 237 lx
— (5%): 594 lx — (10%): 1187 lx
— (20%): 2375 lx — (50%): 5936 lx
— (100%): 11873 lx

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: