

Report No.: 52.05520 ECO Downlight

Test Time: 2023-09-13 10:55

Luminaire Property

Luminaire Category: Bridgelux F90 V10A 3000K CRI90

Voltage: 214.0 V

Current: 0.113 A

Power: 14.00 W

Power Factor: 0.577

Photometric Results

CIE Class: Direct

Measurement Flux: 1678 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17

Vertical Diffuse Angle(50%): V17

Luminaire Efficacy Rating (LER): 120

Max. Intensity: 12302.13 cd

Total Rated Lamp Lumens: 1678.0 lm

Efficiency: 100%

Upward Ratio: 0%

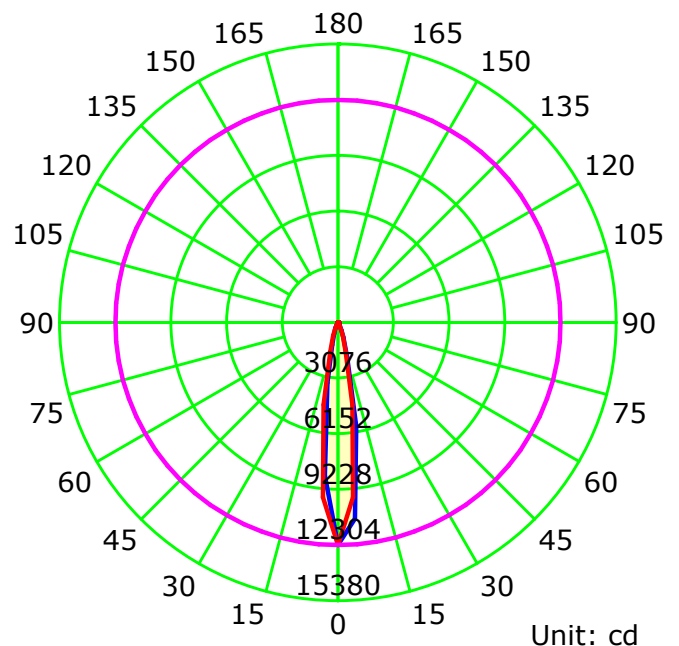
Central Intensity: 12302.12 cd

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

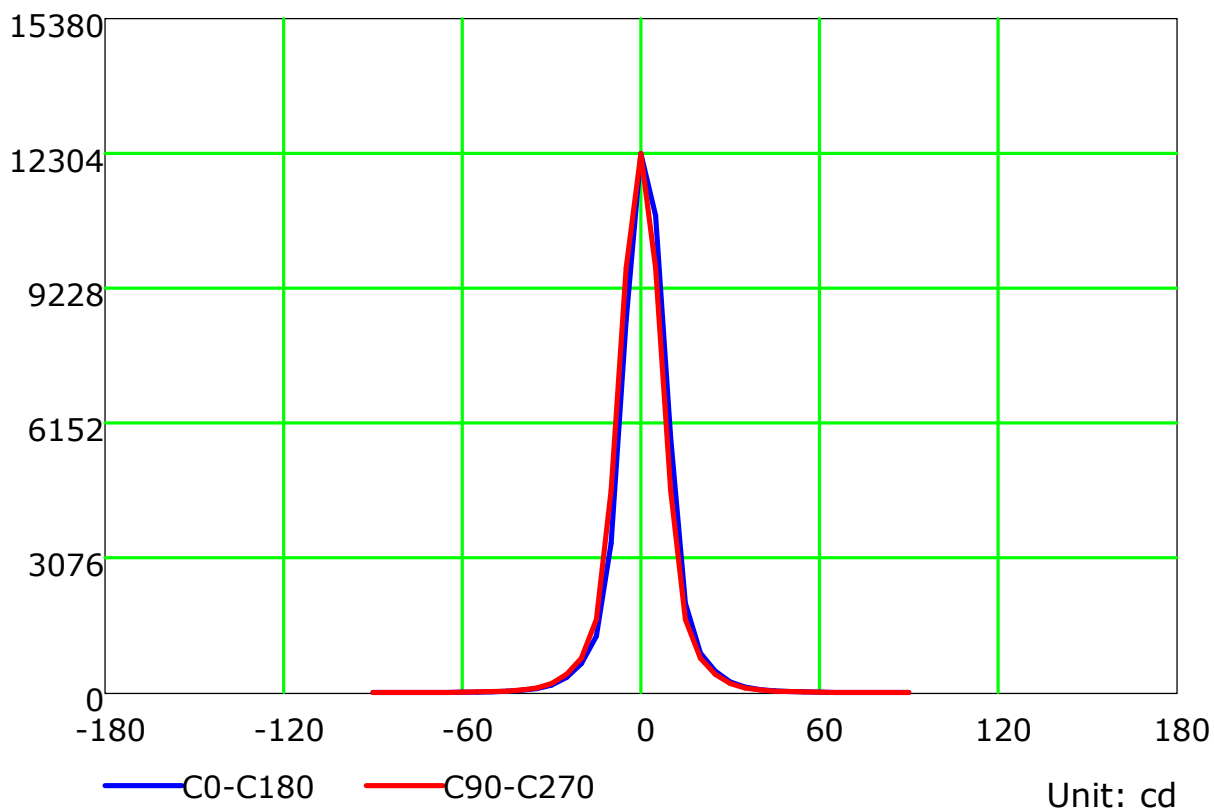
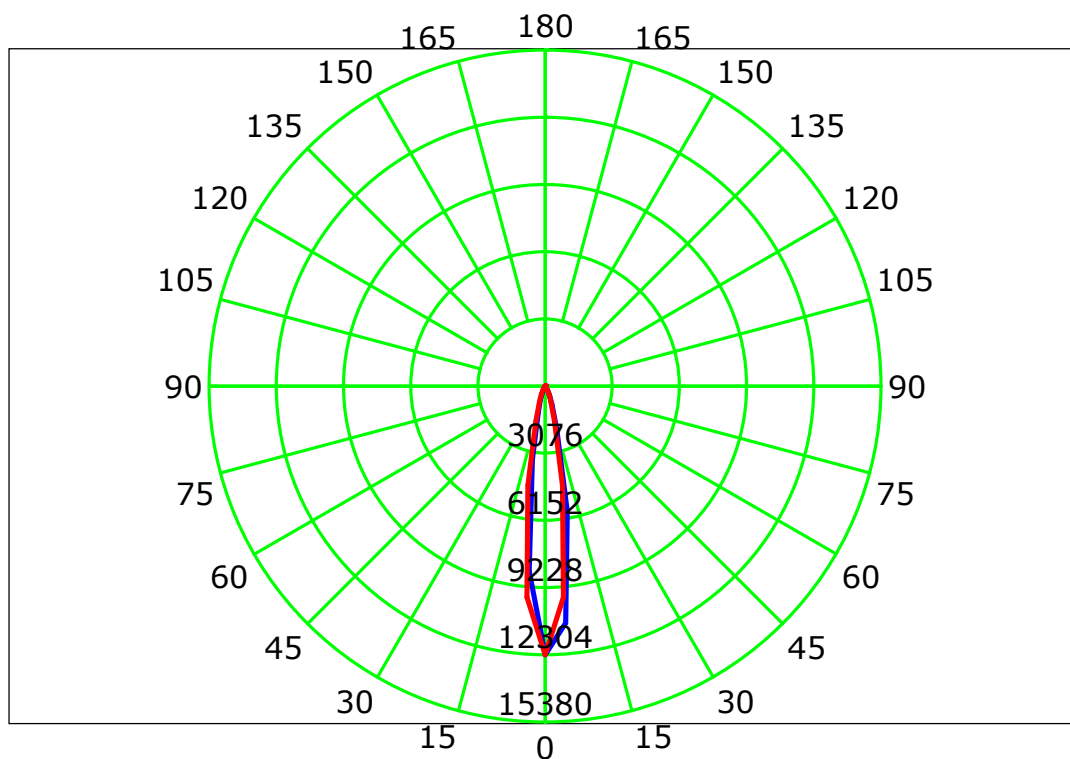
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

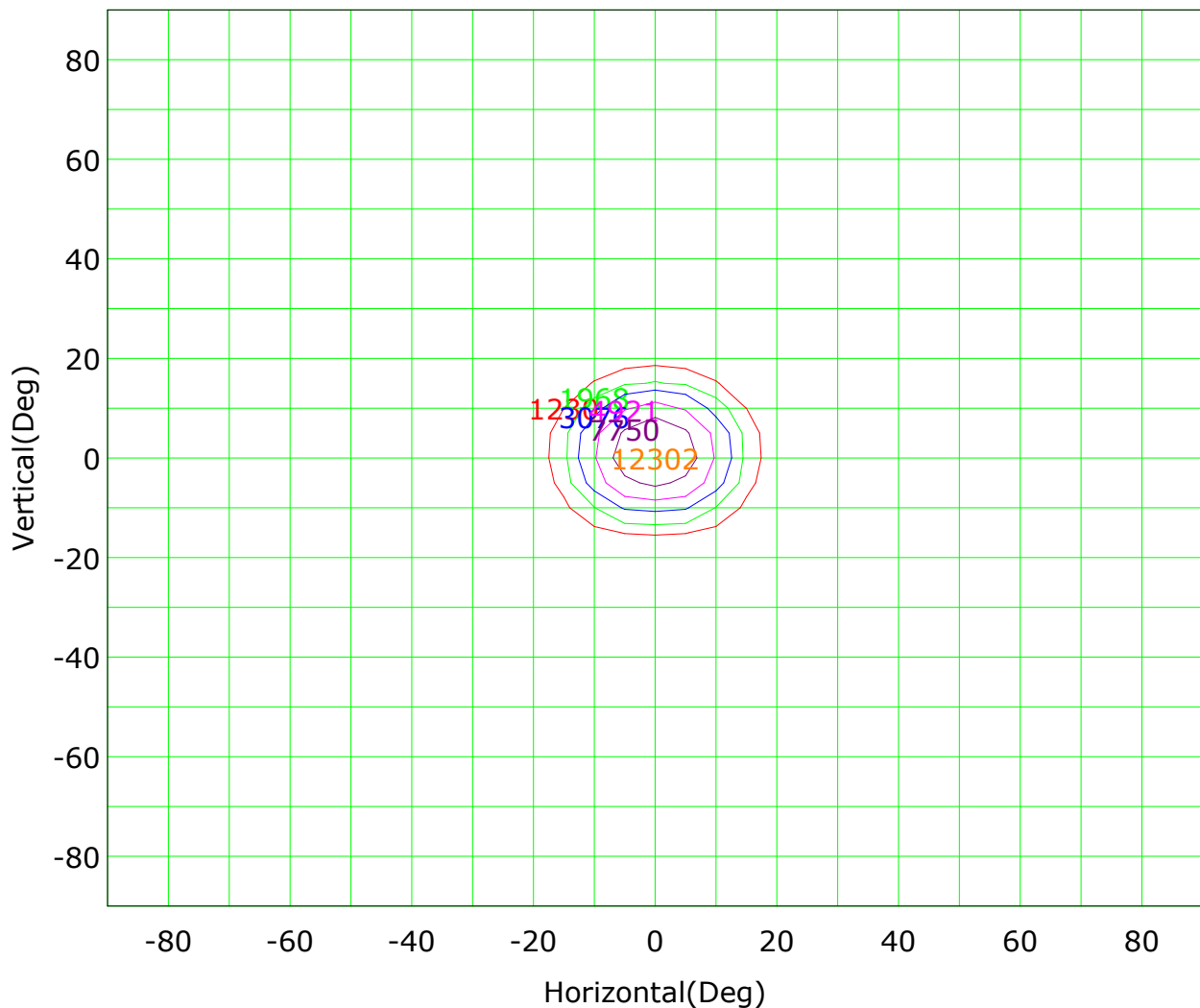
Luminous Intensity Distribution Curve



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%): 12302 cd

(10%): 1230 cd	(16%): 1968 cd
(25%): 3076 cd	(40%): 4921 cd
(63%): 7750 cd	(100%): 12302 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

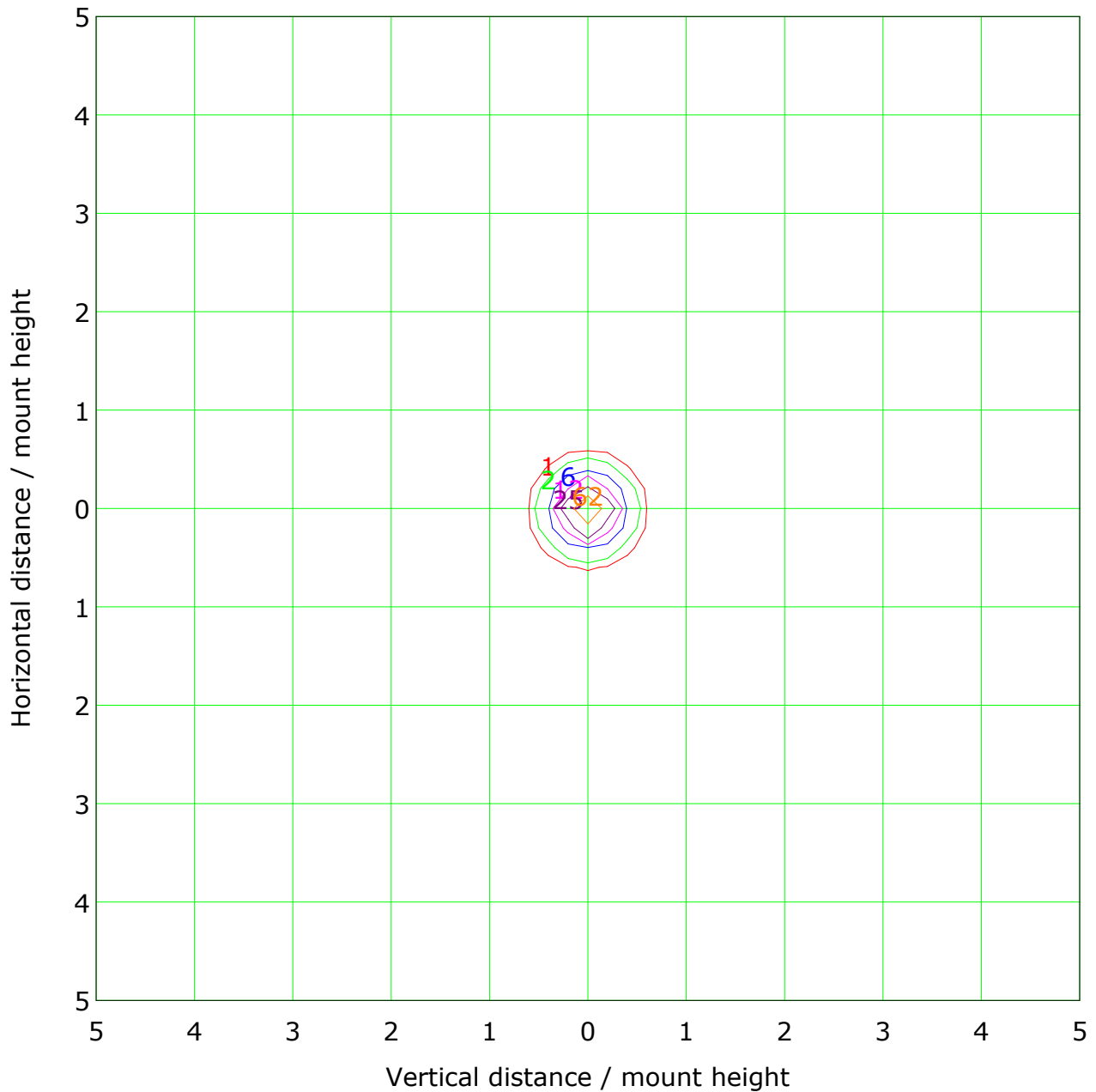
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

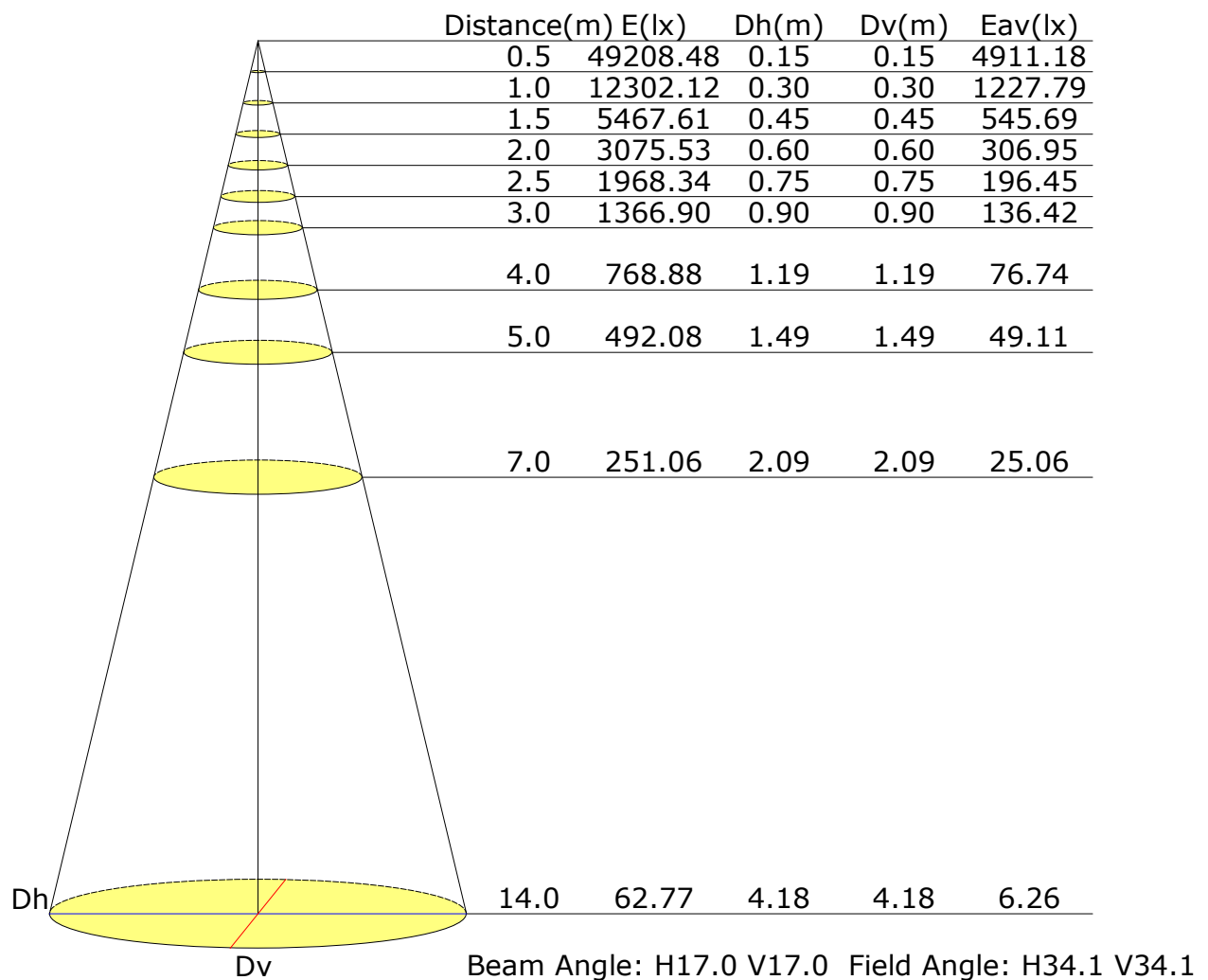


Mounting Height: 10m		Max Lux(100%): 123 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	6 lx	(10%):	12 lx
(20%):	25 lx	(50%):	62 lx
(100%):	123 lx		

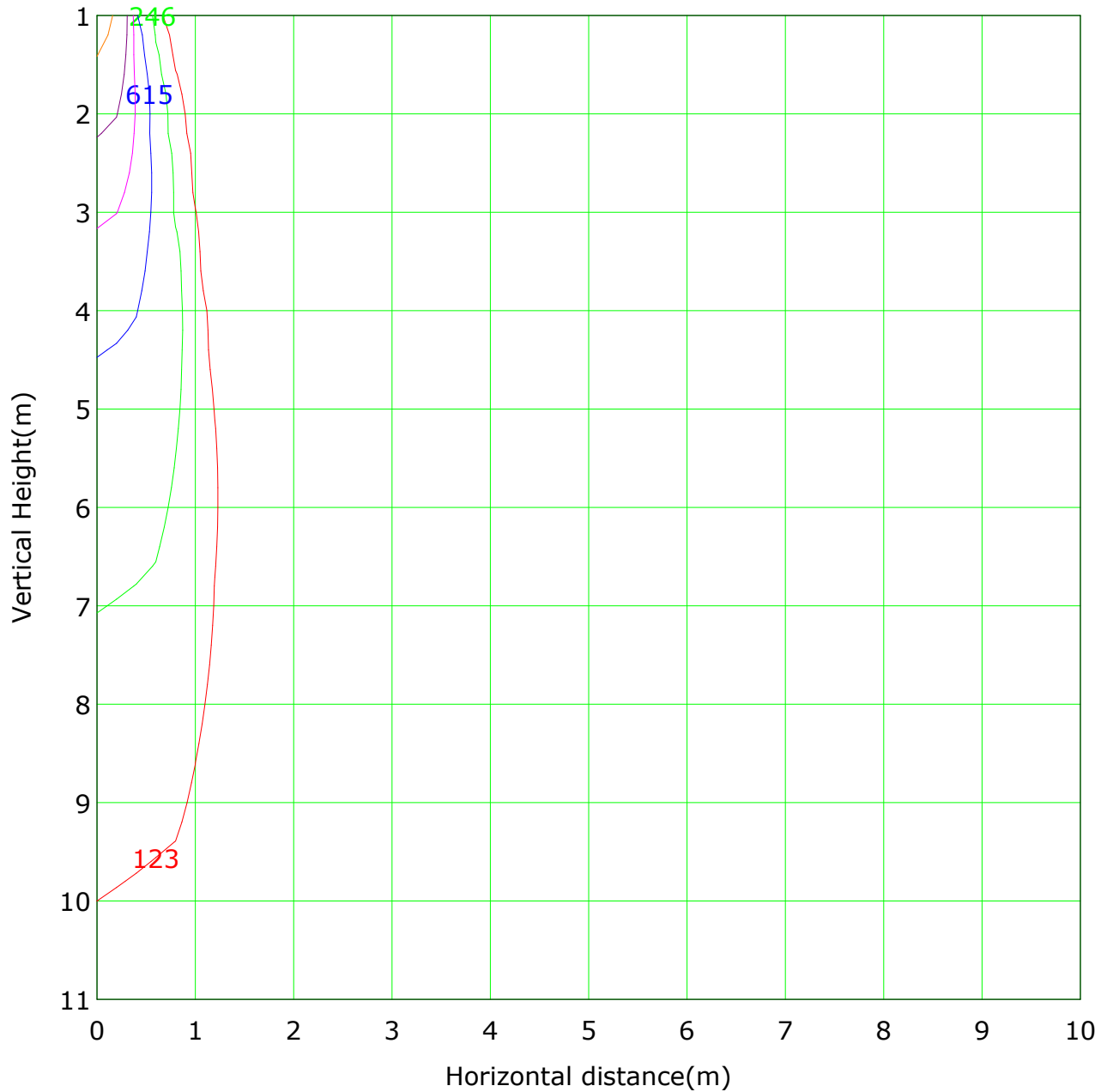
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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: 12302

— (1%): 123 lx	— (2%): 246 lx
— (5%): 615 lx	— (10%): 1230 lx
— (20%): 2460 lx	— (50%): 6151 lx
— (100%): 12302 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

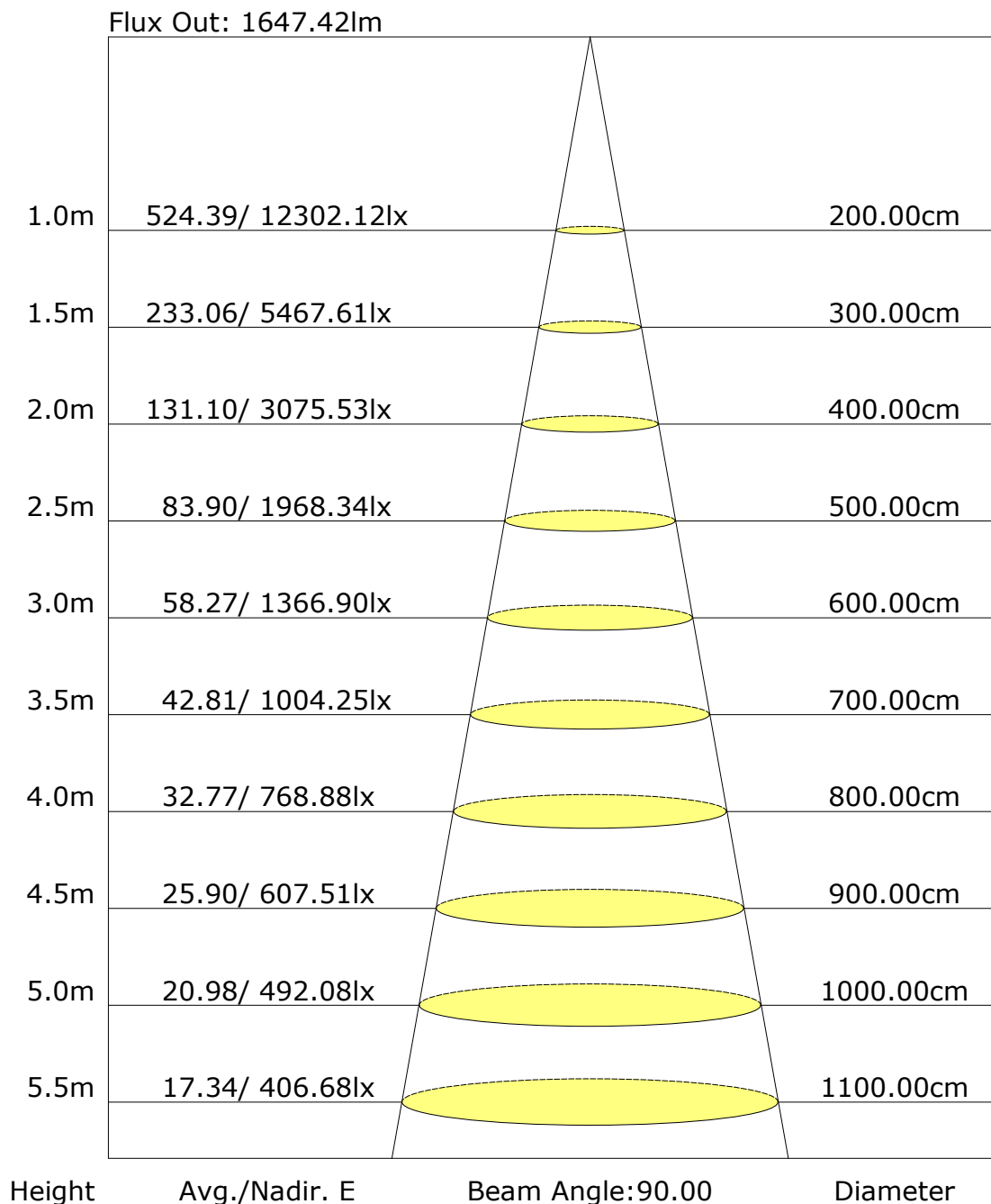
Test Device: CHL-6E

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: