

Report No.: 52.10019 ECO Downlight

Test Time: 2023-09-13 14:18

Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 222.0 V

Current: 0.130 A

Power: 27.80 W

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 3360.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H32.1

Vertical Diffuse Angle(50%): V32.1

Luminaire Efficacy Rating (LER): 121

Max. Intensity: 9801.99 cd

Total Rated Lamp Lumens: 3360.6 lm

Efficiency: 100%

Upward Ratio: 0%

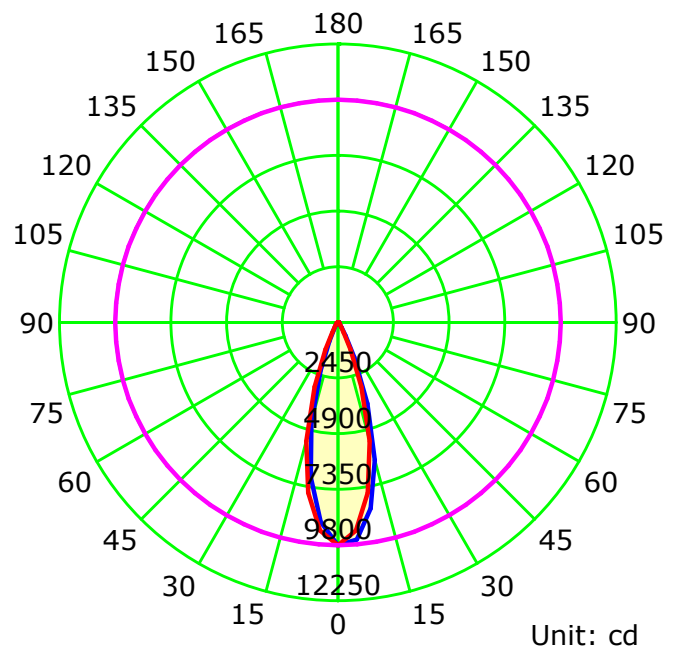
Central Intensity: 9801.98 cd

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

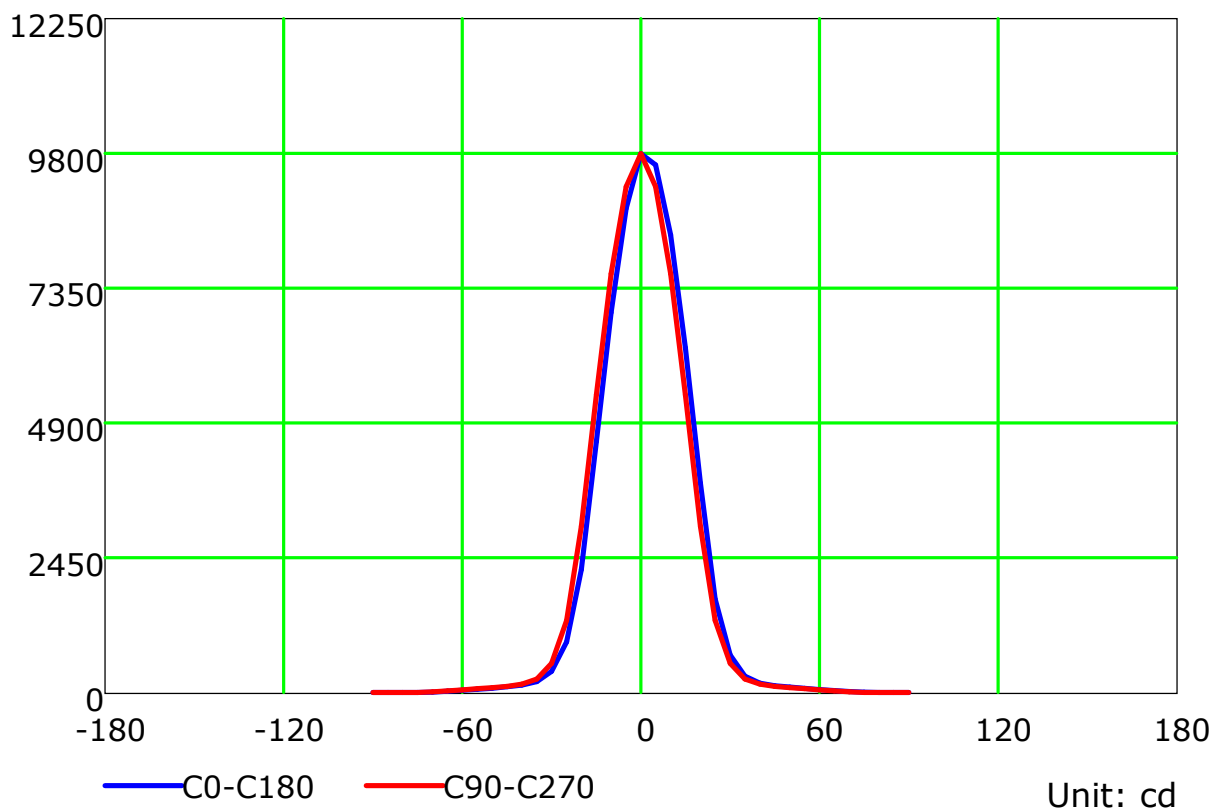
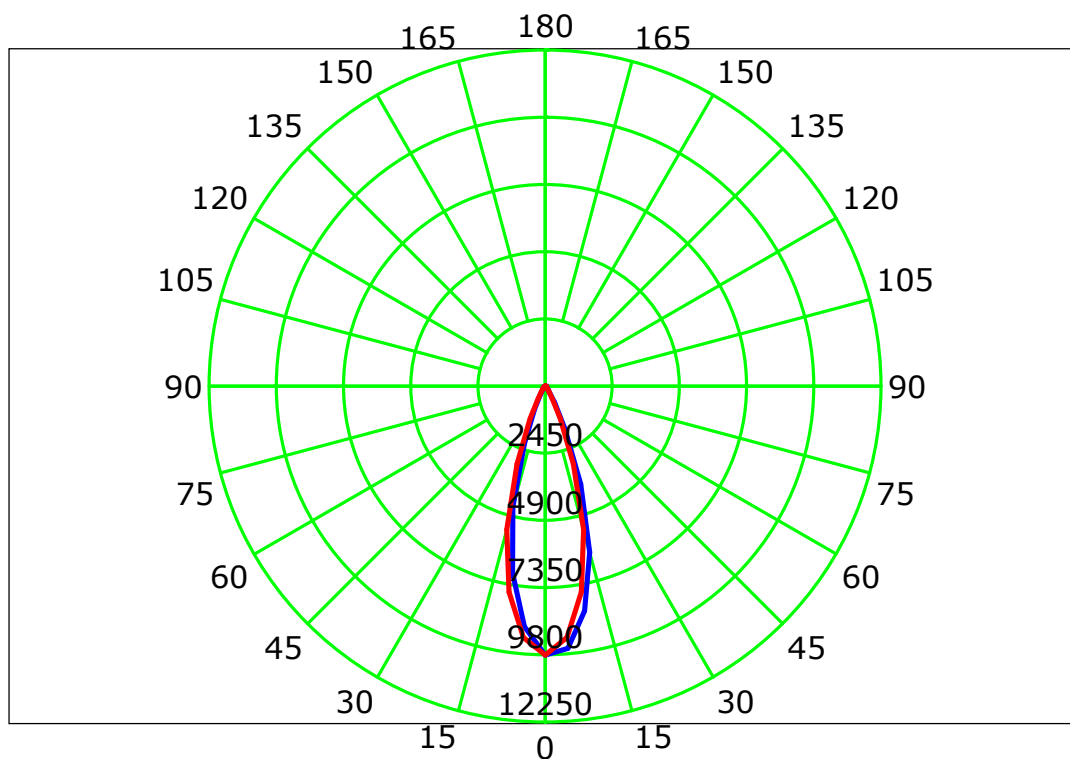
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

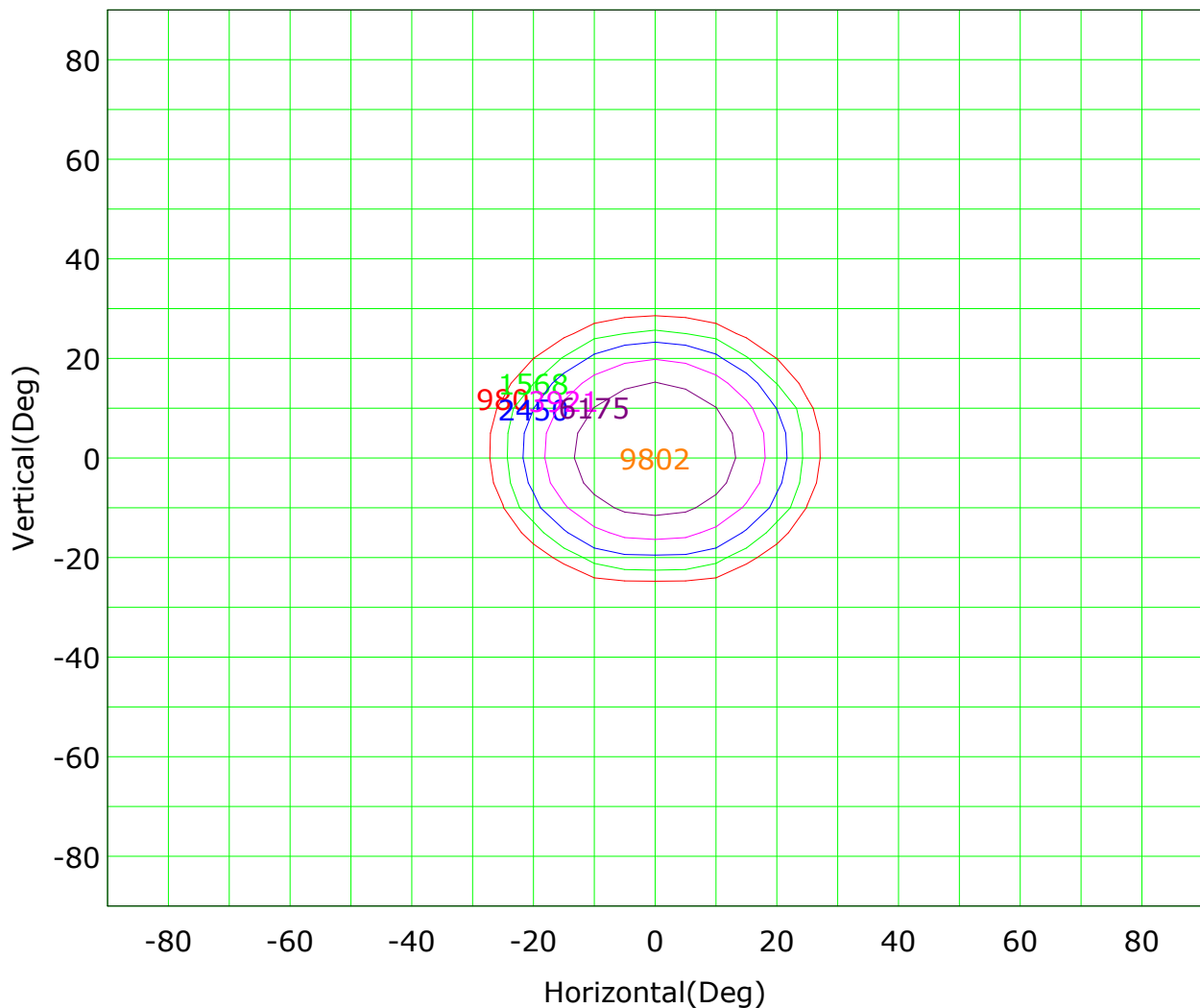
Luminous Intensity Distribution Curve



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%): 9802 cd

(10%): 980 cd	(16%): 1568 cd
(25%): 2450 cd	(40%): 3921 cd
(63%): 6175 cd	(100%): 9802 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

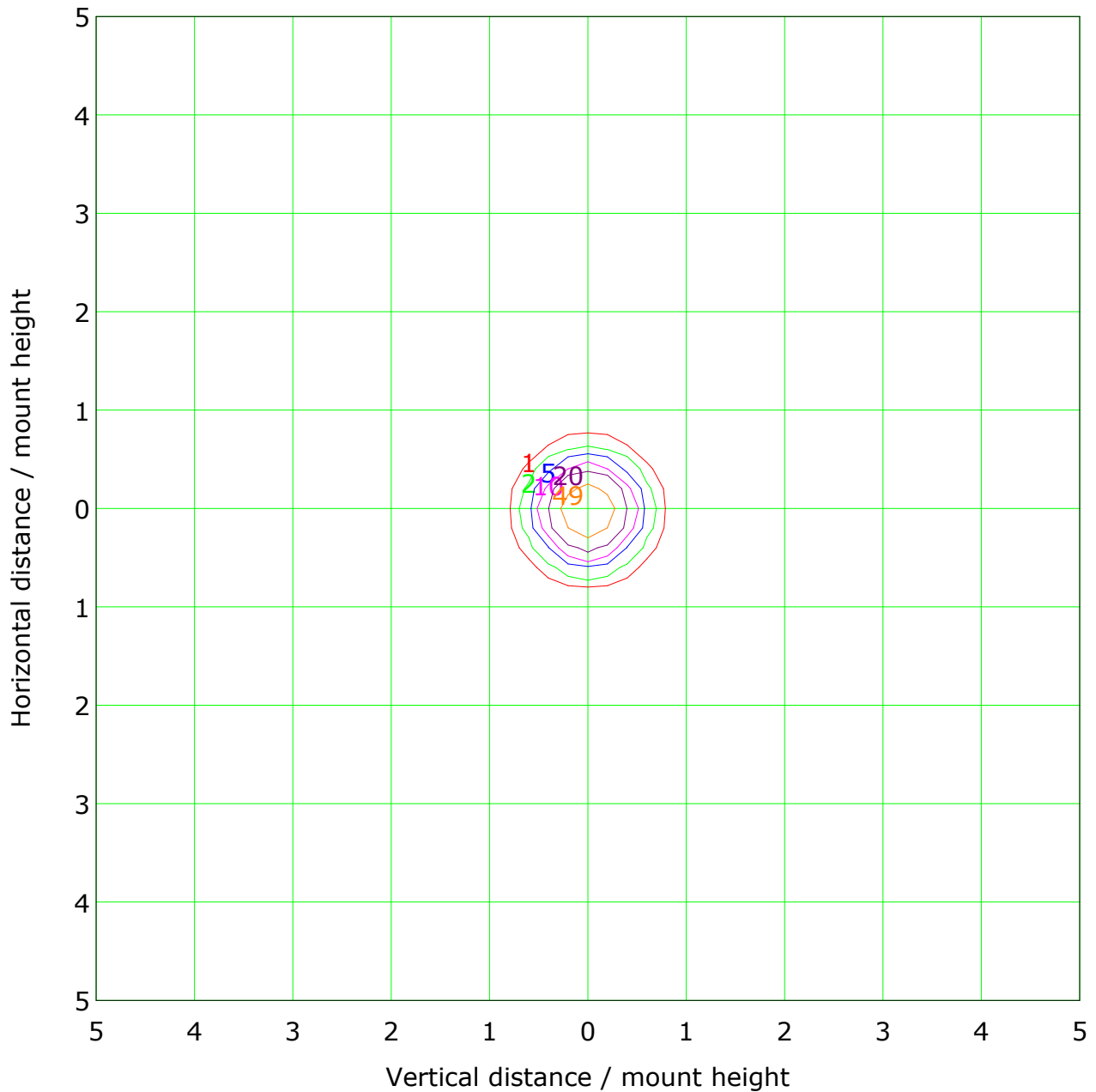
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 98 lx			
— (1%):	1 lx	— (2%):	2 lx
— (5%):	5 lx	— (10%):	10 lx
— (20%):	20 lx	— (50%):	49 lx
— (100%):	98 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

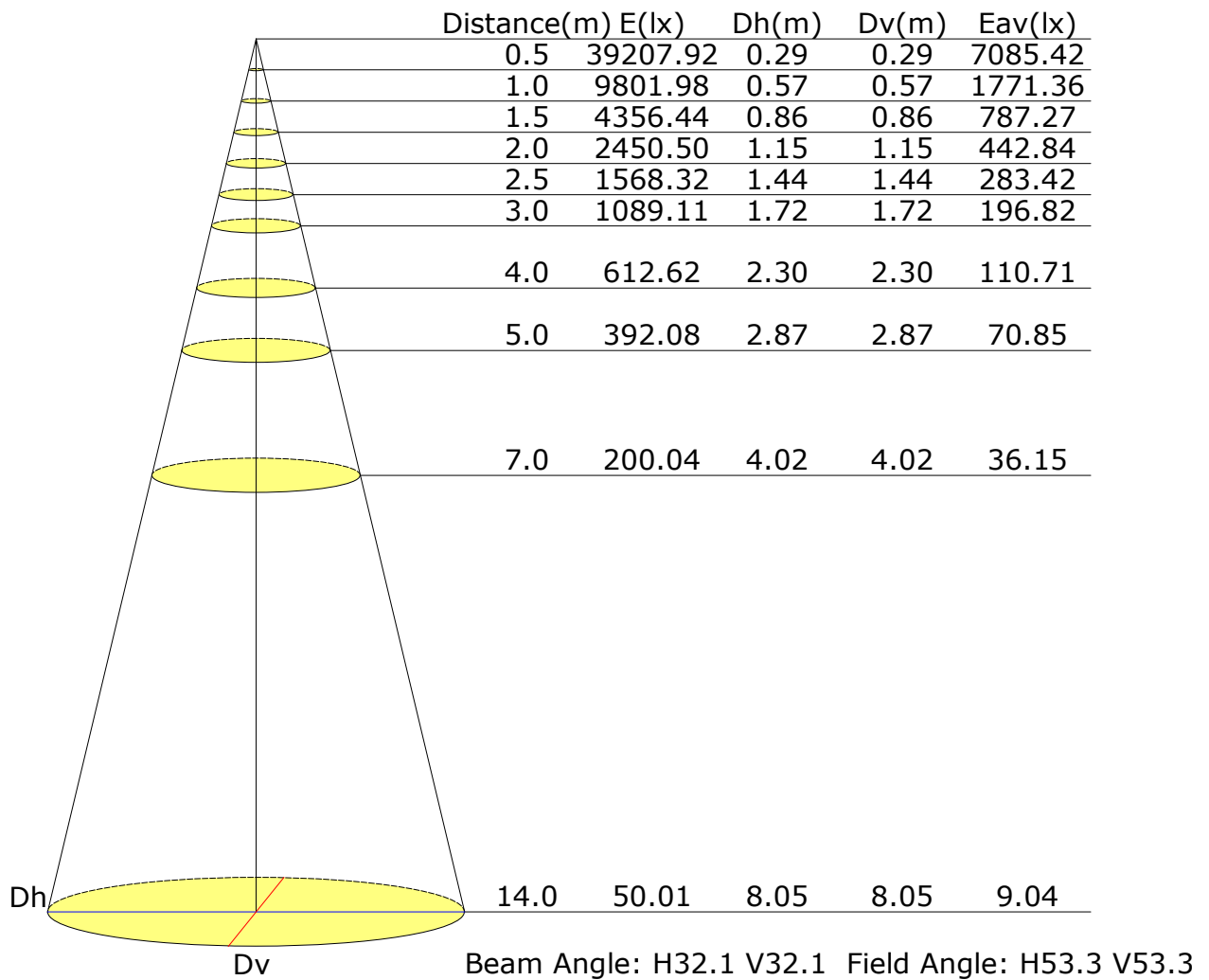
Test Device: CHL-6E

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

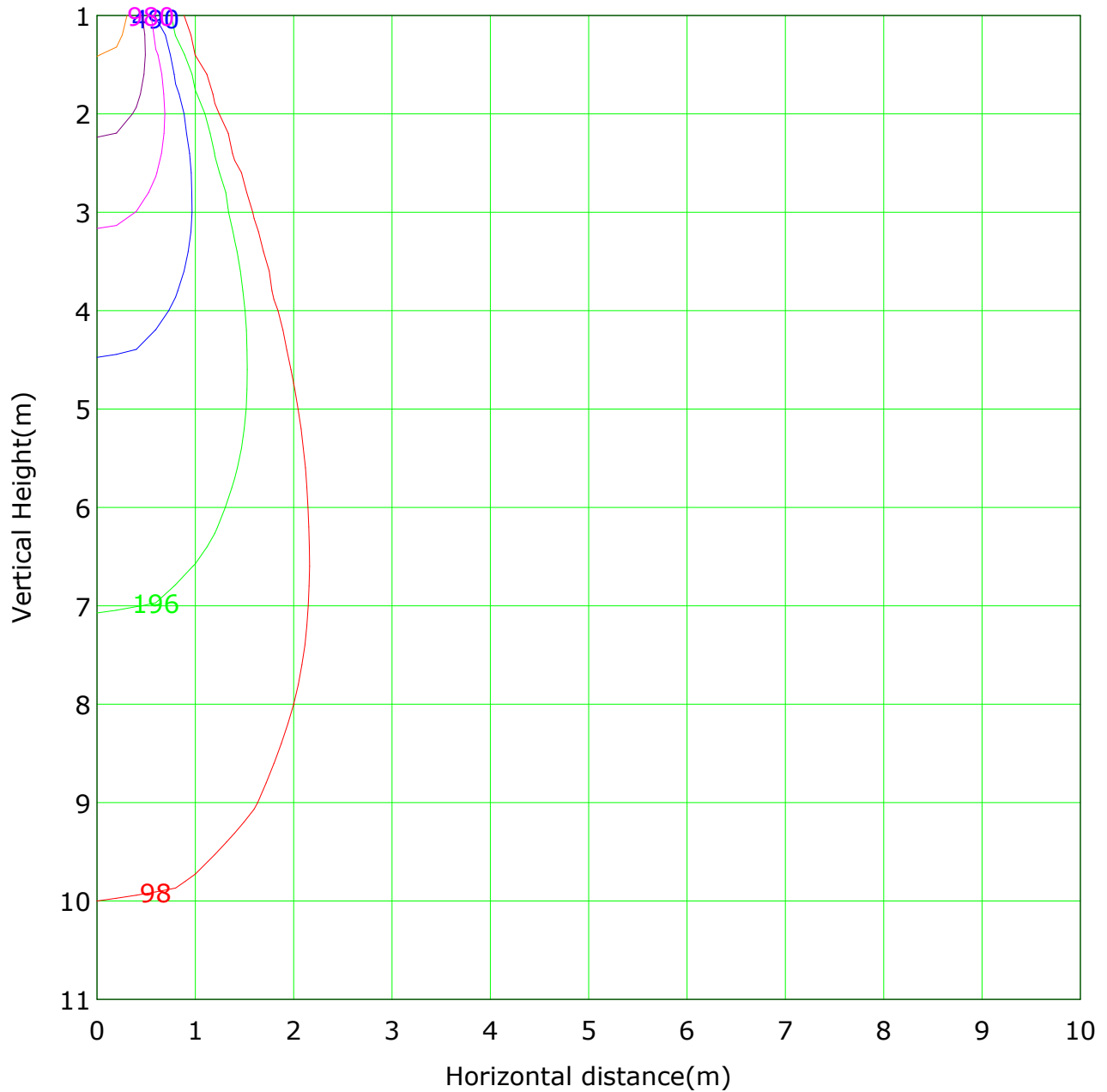
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 9802

(1%): 98 lx	(2%): 196 lx
(5%): 490 lx	(10%): 980 lx
(20%): 1960 lx	(50%): 4901 lx
(100%): 9802 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

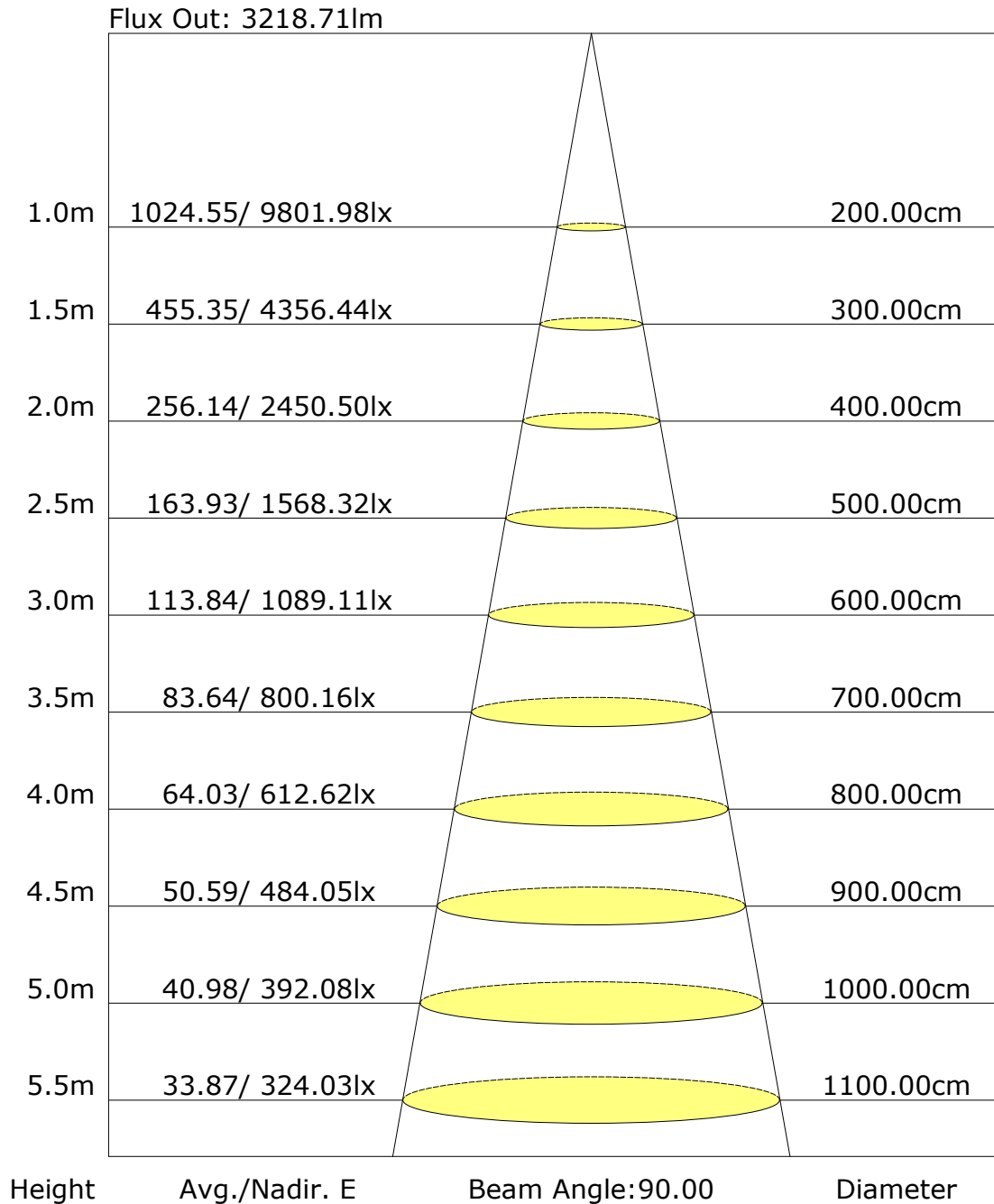
Test Device: CHL-6E

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: