

Report No.: 52.11012 DownLight

Test Time: 2023-09-28 15:21

Luminaire Property

Luminaire Category: Bridgelux V10 F90 4000K CRI90

Voltage: 224.4 V

Current: 0.111 A

Power: 24.20 W

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 2538 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H43.3

Vertical Diffuse Angle(50%): V43.3

Luminaire Efficacy Rating (LER): 105

Max. Intensity: 5022.55 cd

Total Rated Lamp Lumens: 2538.0 lm

Efficiency: 100%

Upward Ratio: 0%

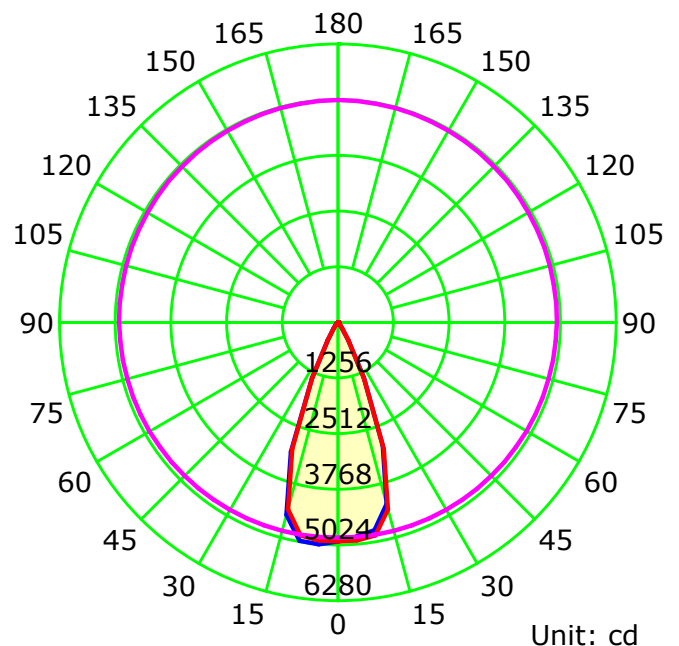
Central Intensity: 4944.55 cd

Pos of Max. Intensity: H180 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

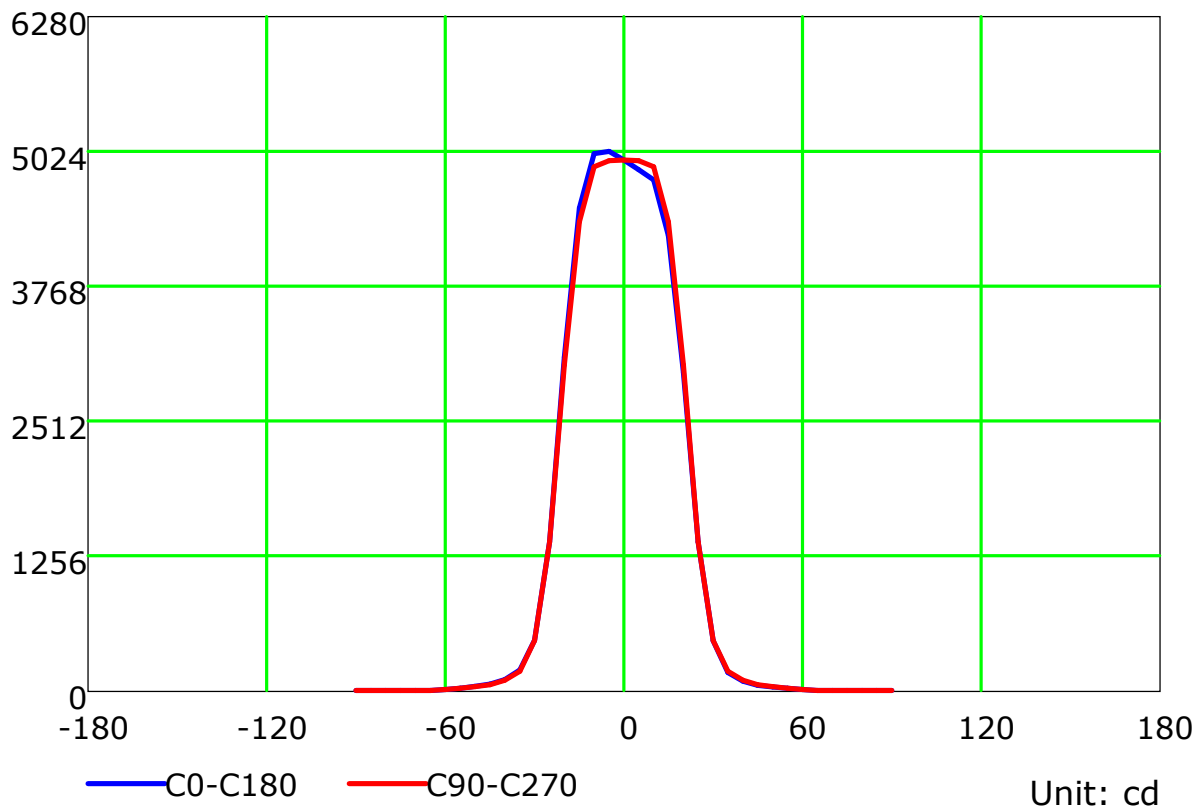
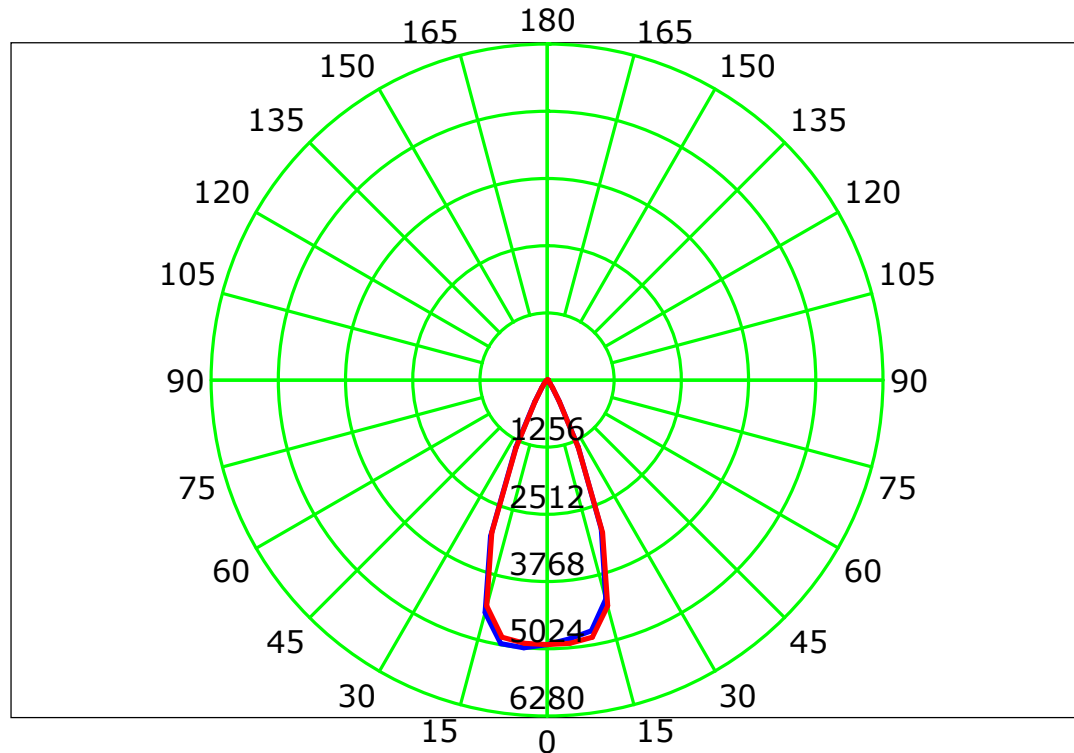
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

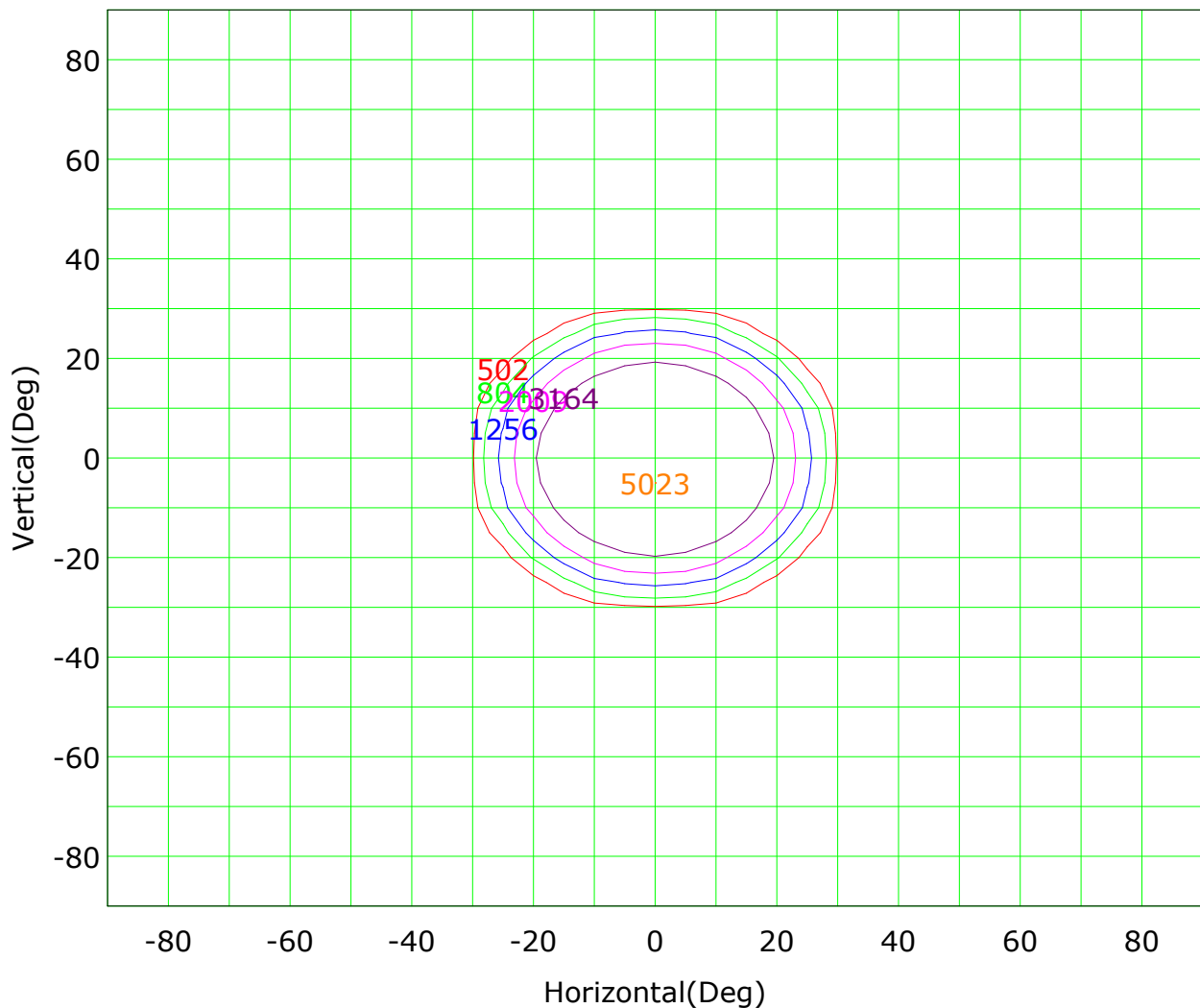
Luminous Intensity Distribution Curve



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%): 5023 cd

(10%): 502 cd	(16%): 804 cd
(25%): 1256 cd	(40%): 2009 cd
(63%): 3164 cd	(100%): 5023 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

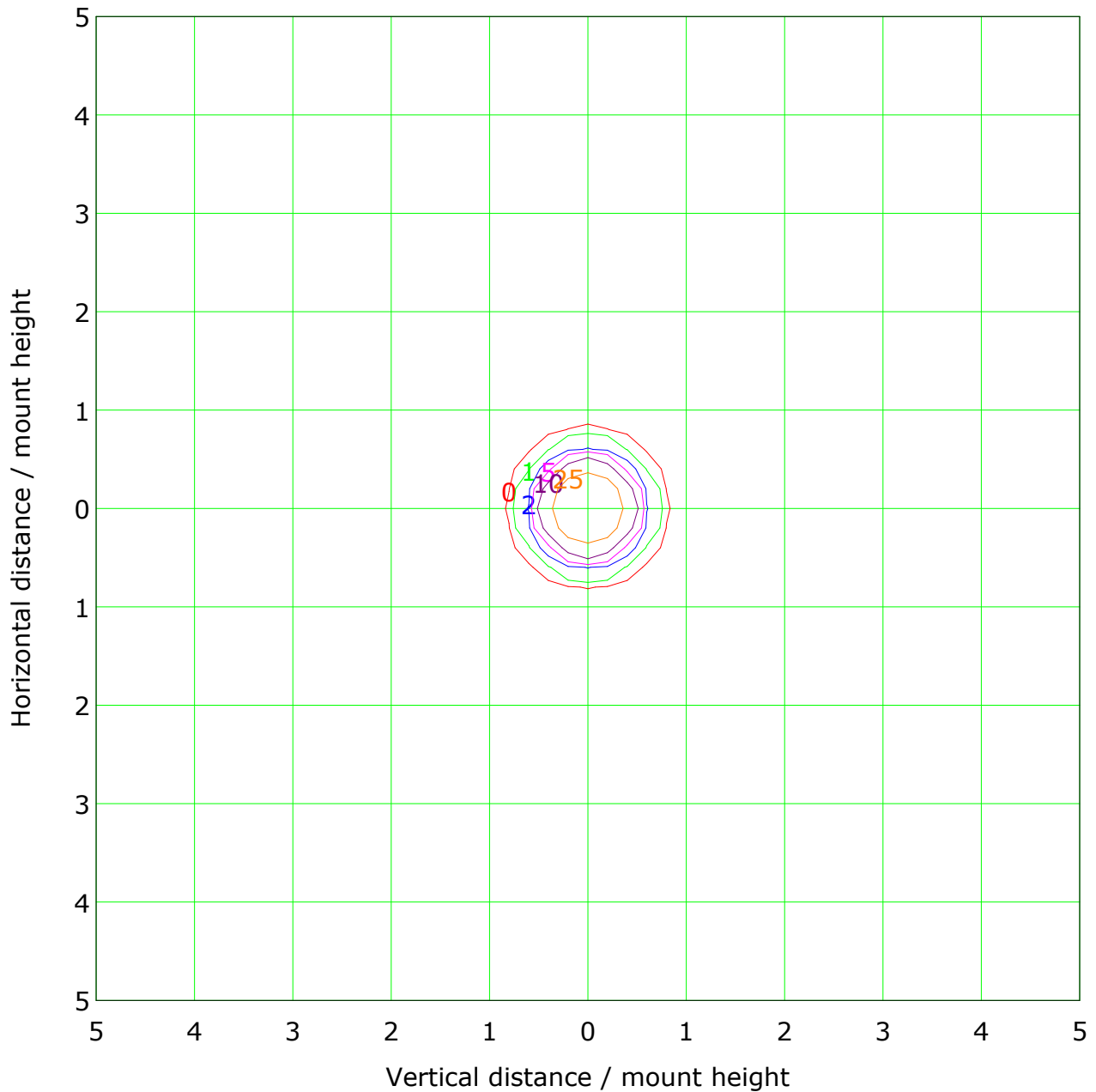
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

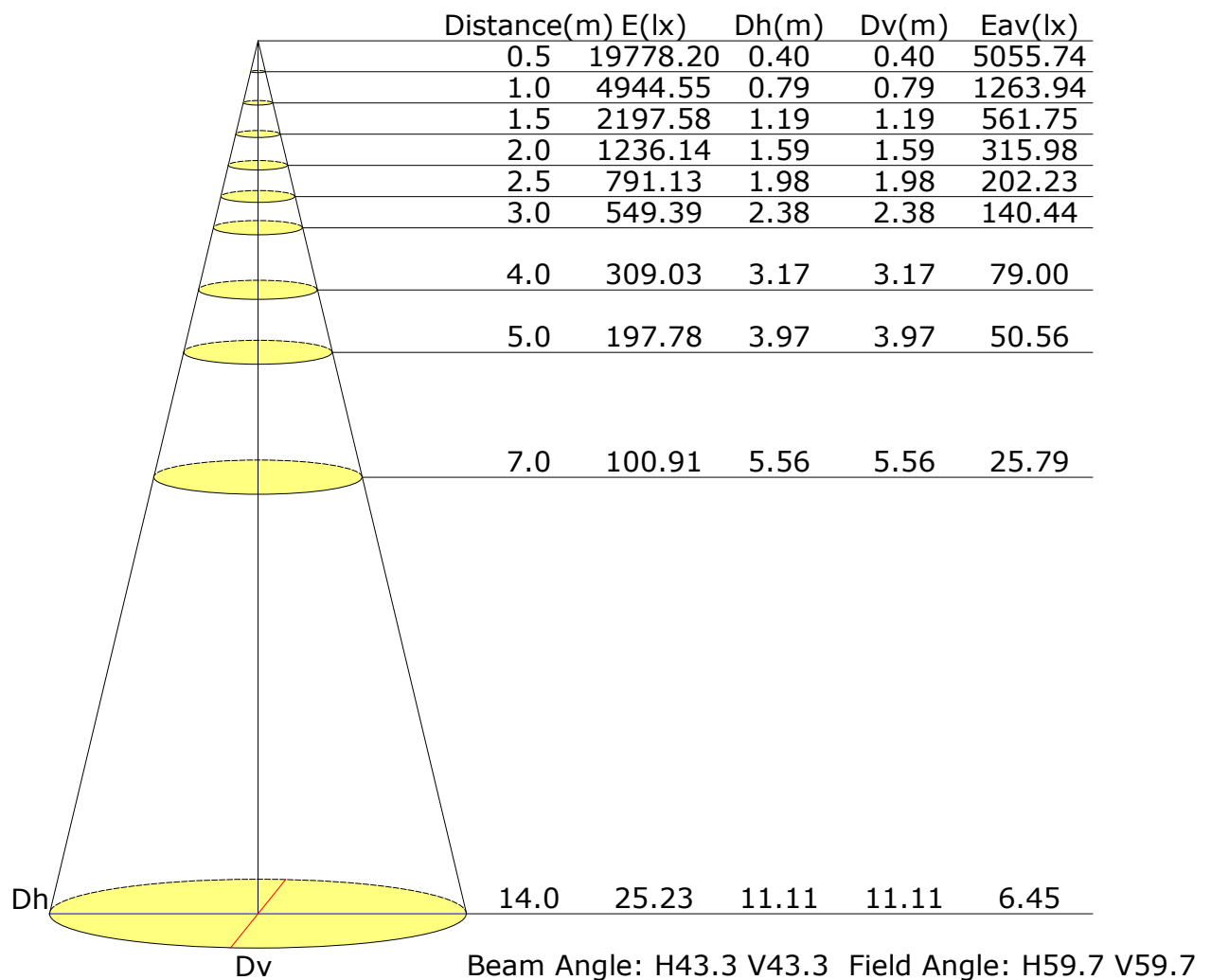


Mounting Height: 10m		Max Lux(100%): 50 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	5 lx
(20%):	10 lx	(50%):	25 lx
(100%):	50 lx		

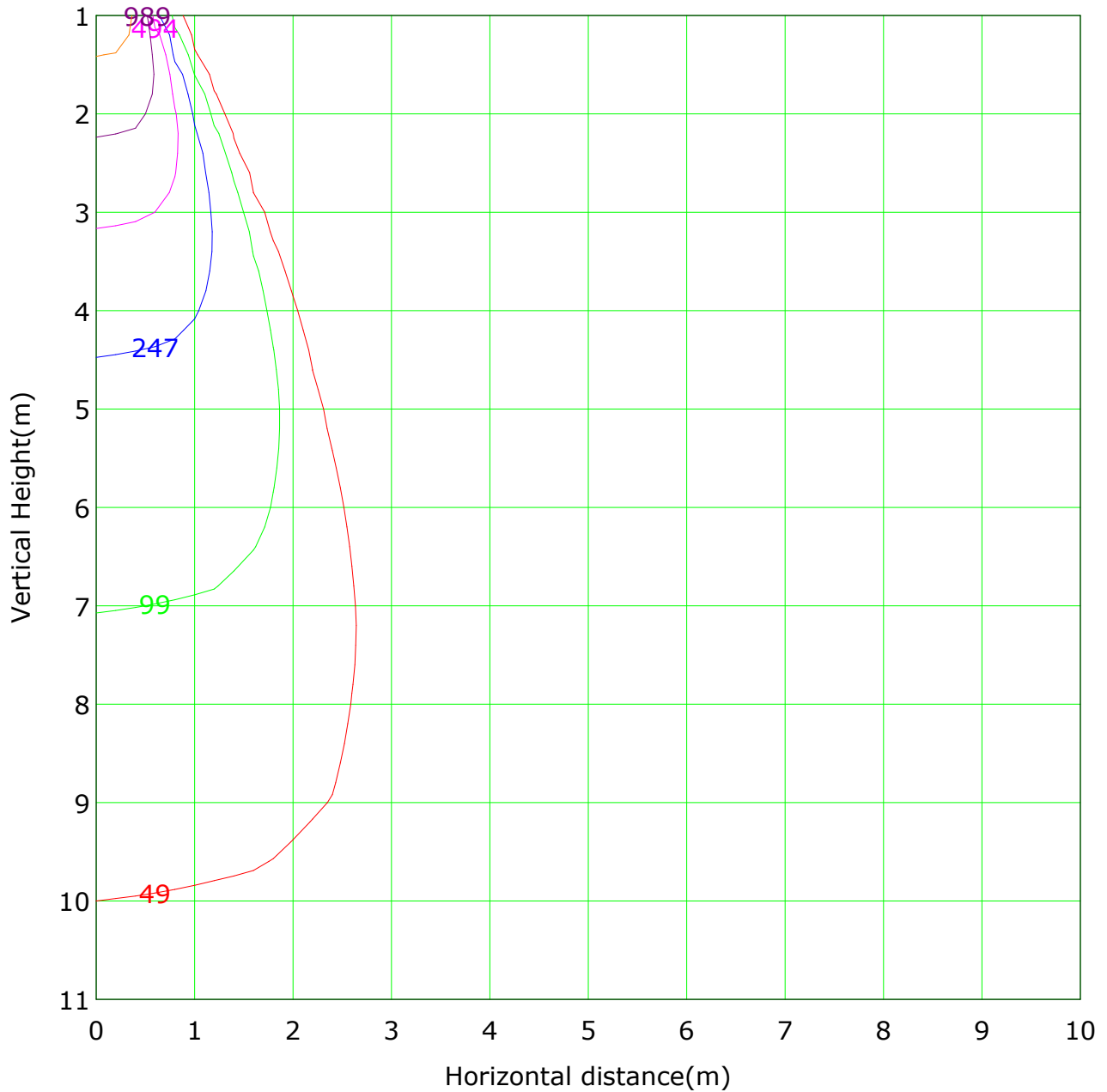
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



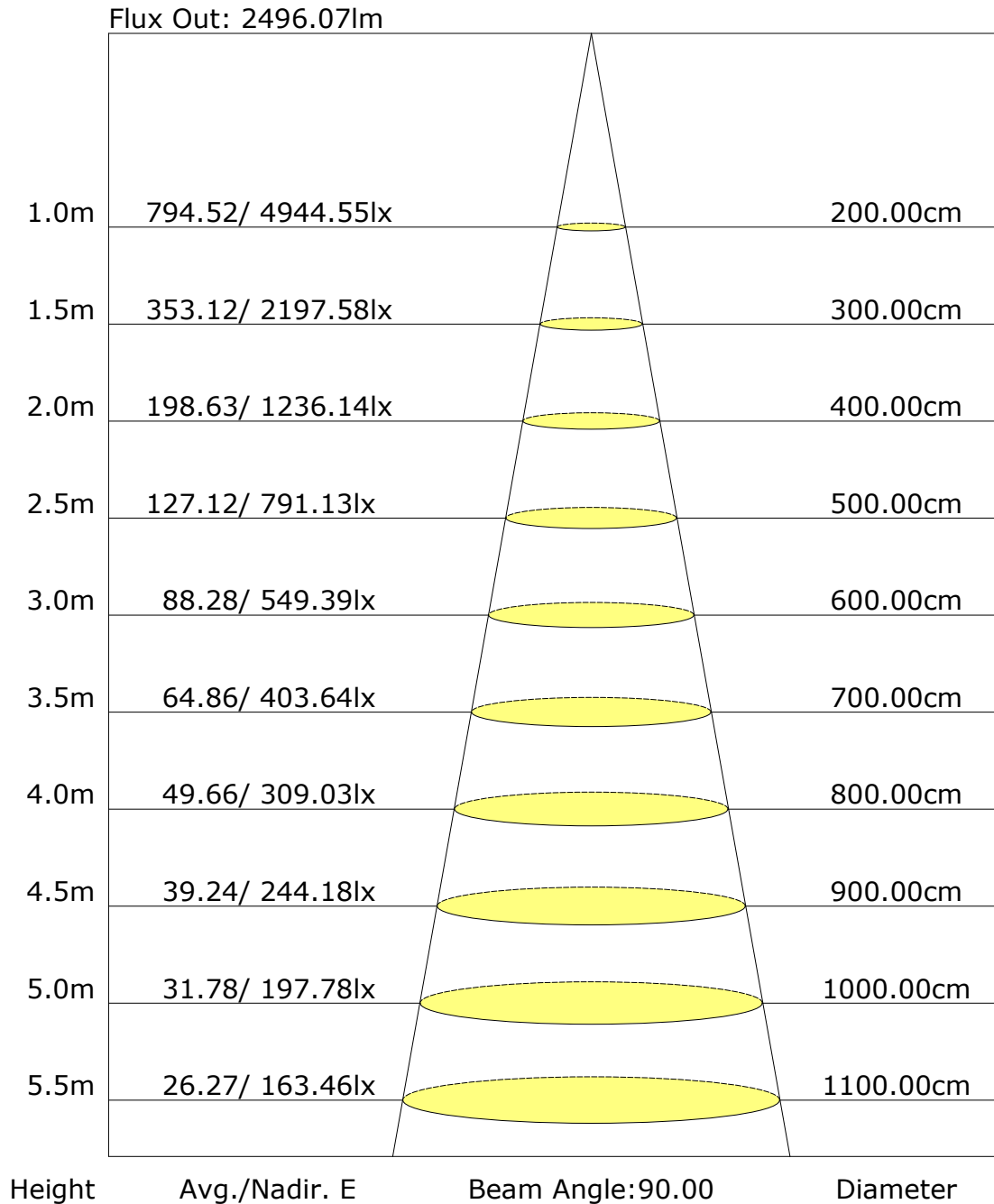
Lowest(m): 1m Highest(m): 11 Max Lux: 4945

(1%): 49 lx	(2%): 99 lx
(5%): 247 lx	(10%): 494 lx
(20%): 989 lx	(50%): 2472 lx
(100%): 4945 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: