

Report No.: 32.06523 FOS Tracklight

Test Time: 2023-09-19 17:41

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 225.5 V

Current: 0.110 A

Power: 24.20 W

Power Factor: 0.974

Photometric Results

CIE Class: Direct

Measurement Flux: 2450.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H36.6

Vertical Diffuse Angle(50%): V36.6

Luminaire Efficacy Rating (LER): 101

Max. Intensity: 5919.09 cd

Total Rated Lamp Lumens: 2450.9 lm

Efficiency: 100%

Upward Ratio: 0%

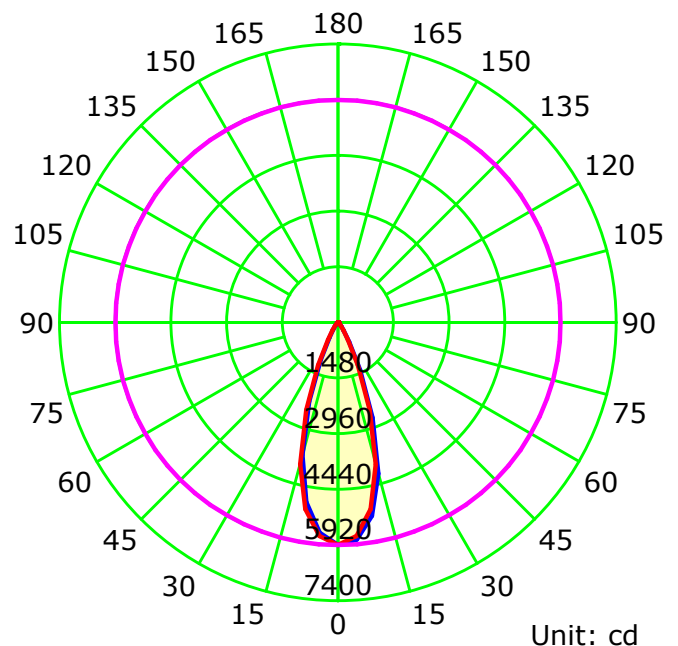
Central Intensity: 5919.08 cd

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

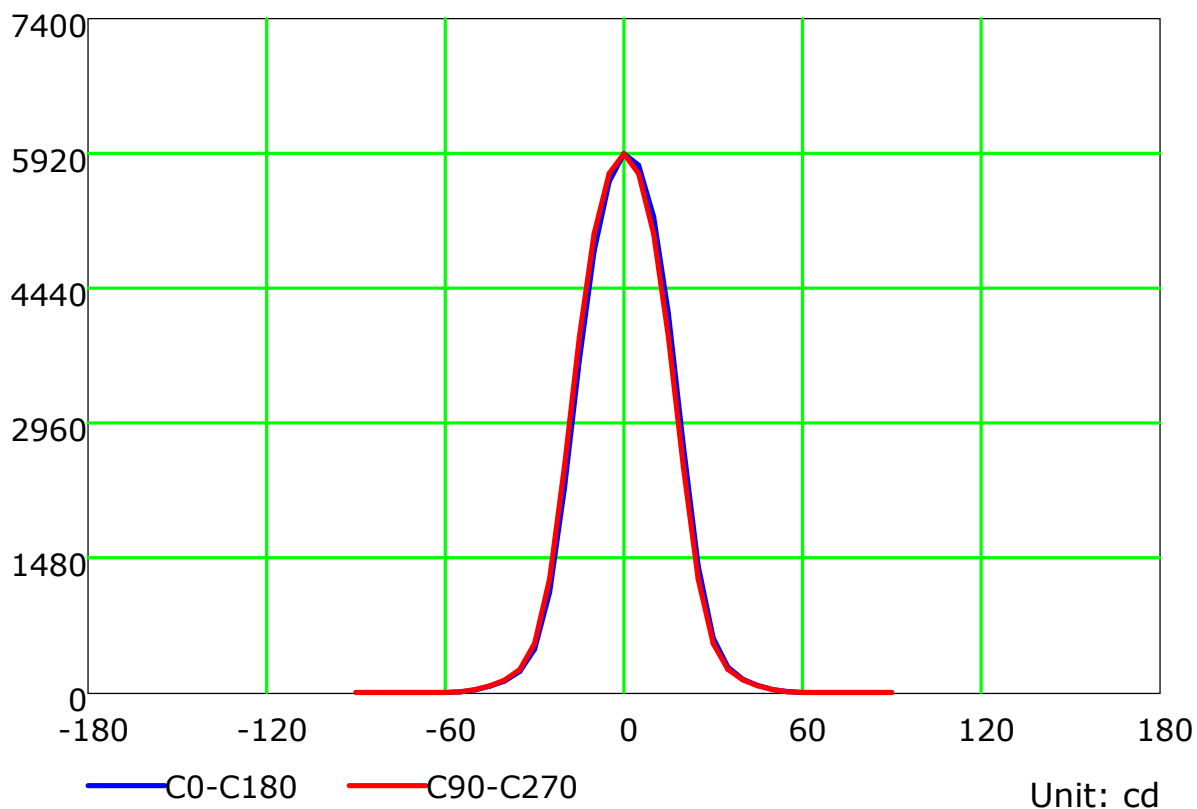
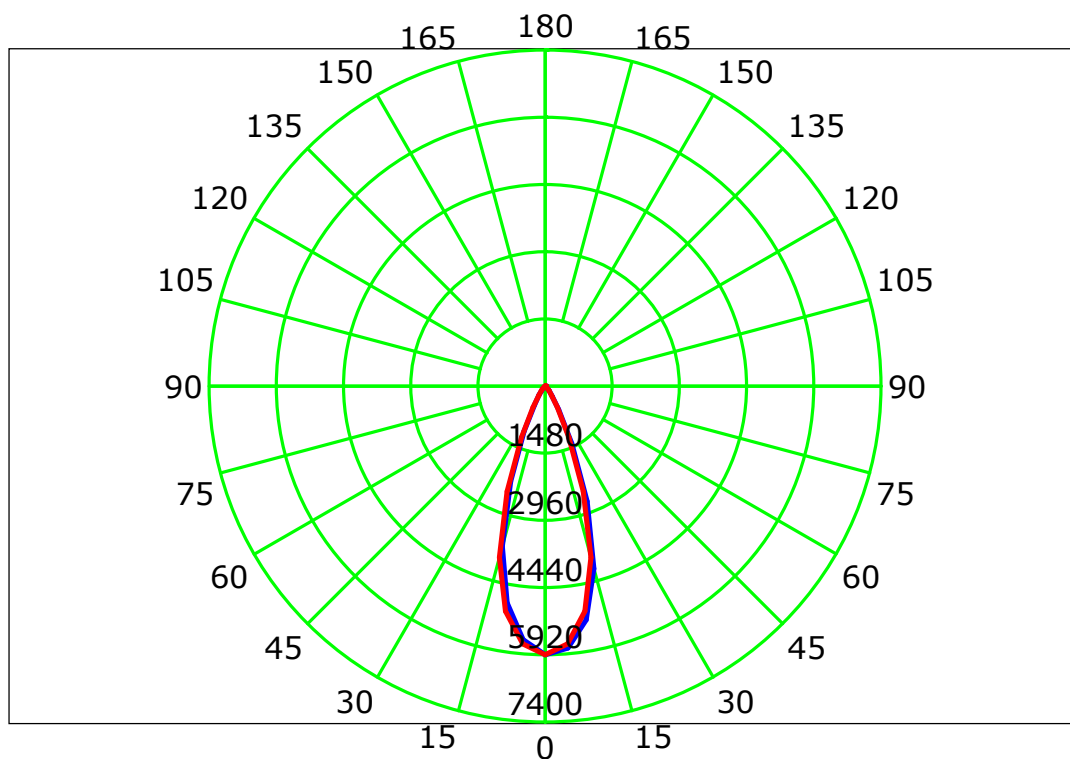
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

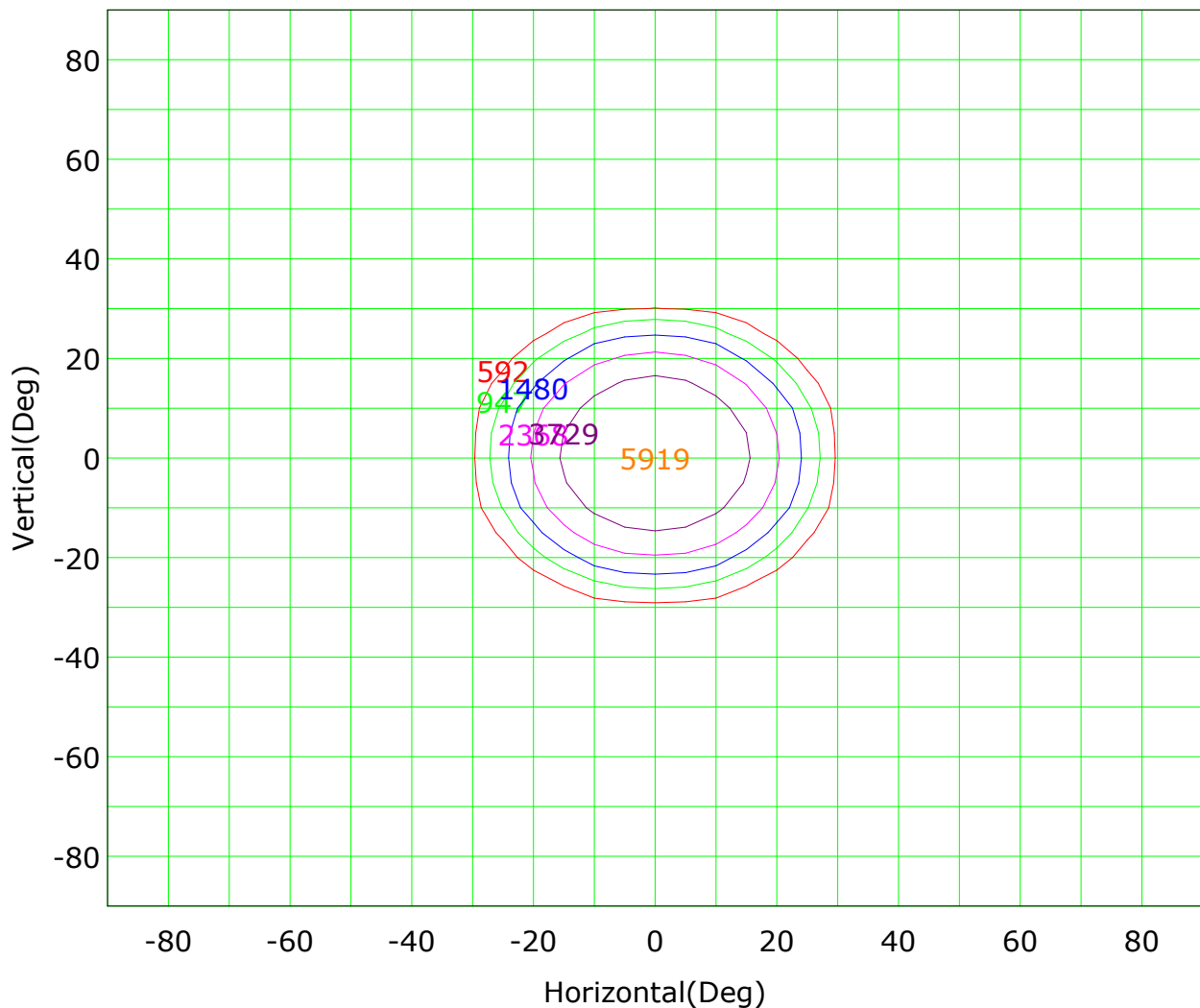
Luminous Intensity Distribution Curve



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%): 5919 cd

(10%): 592 cd	(16%): 947 cd
(25%): 1480 cd	(40%): 2368 cd
(63%): 3729 cd	(100%): 5919 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

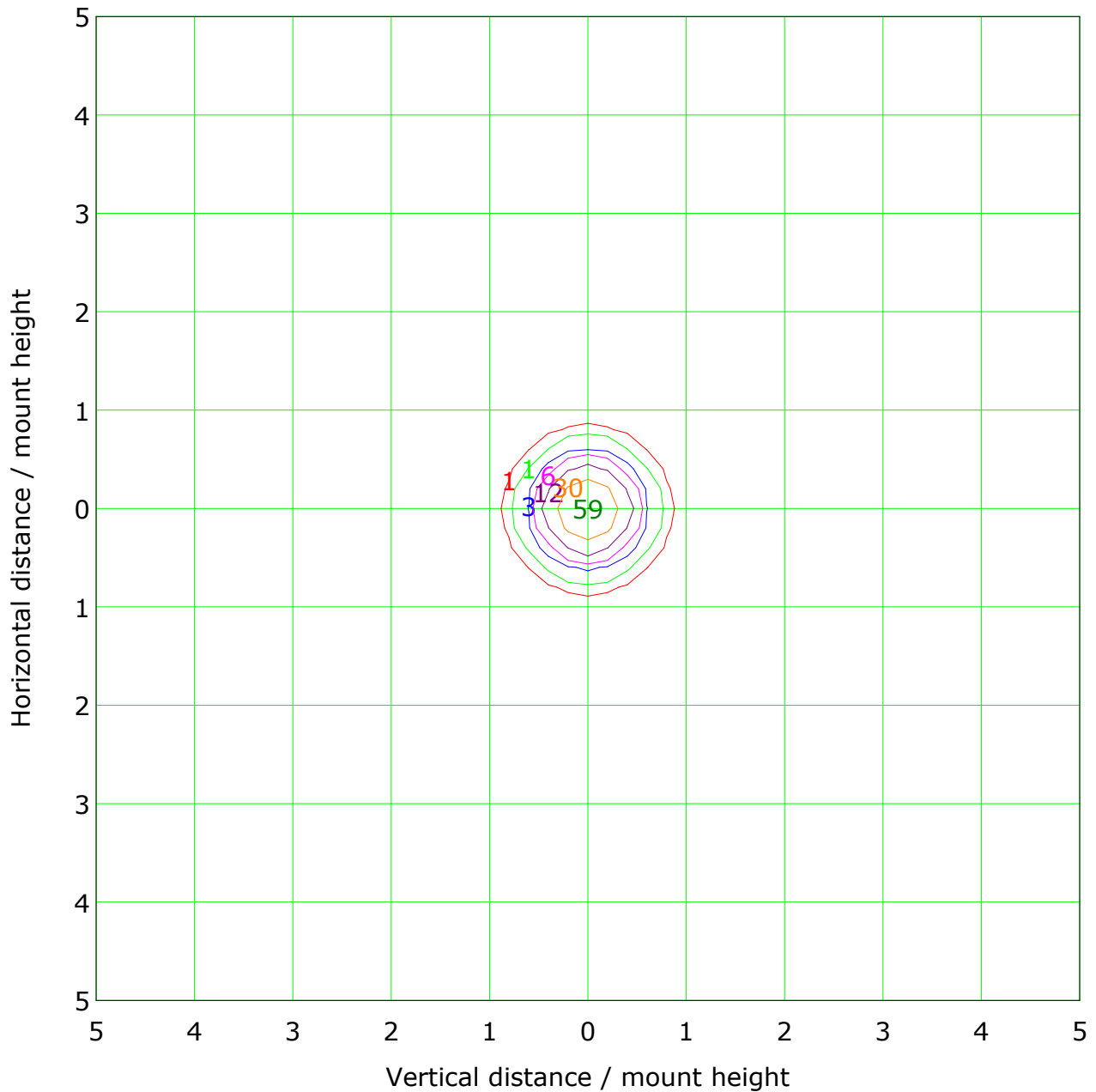
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

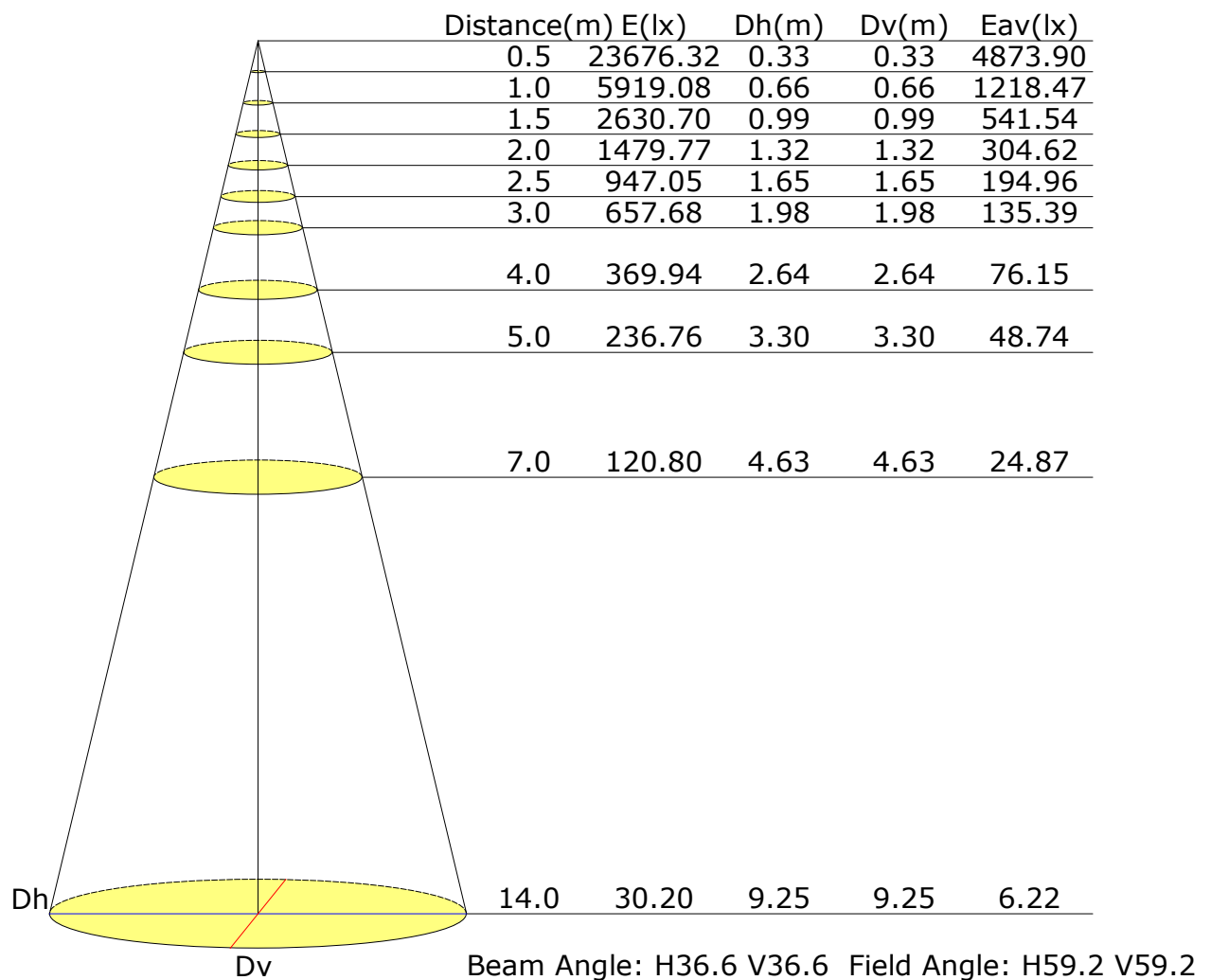


Mounting Height: 10m Max Lux(100%): 59 lx			
— (1%):	1 lx	— (2%):	1 lx
— (5%):	3 lx	— (10%):	6 lx
— (20%):	12 lx	— (50%):	30 lx
— (100%):	59 lx		

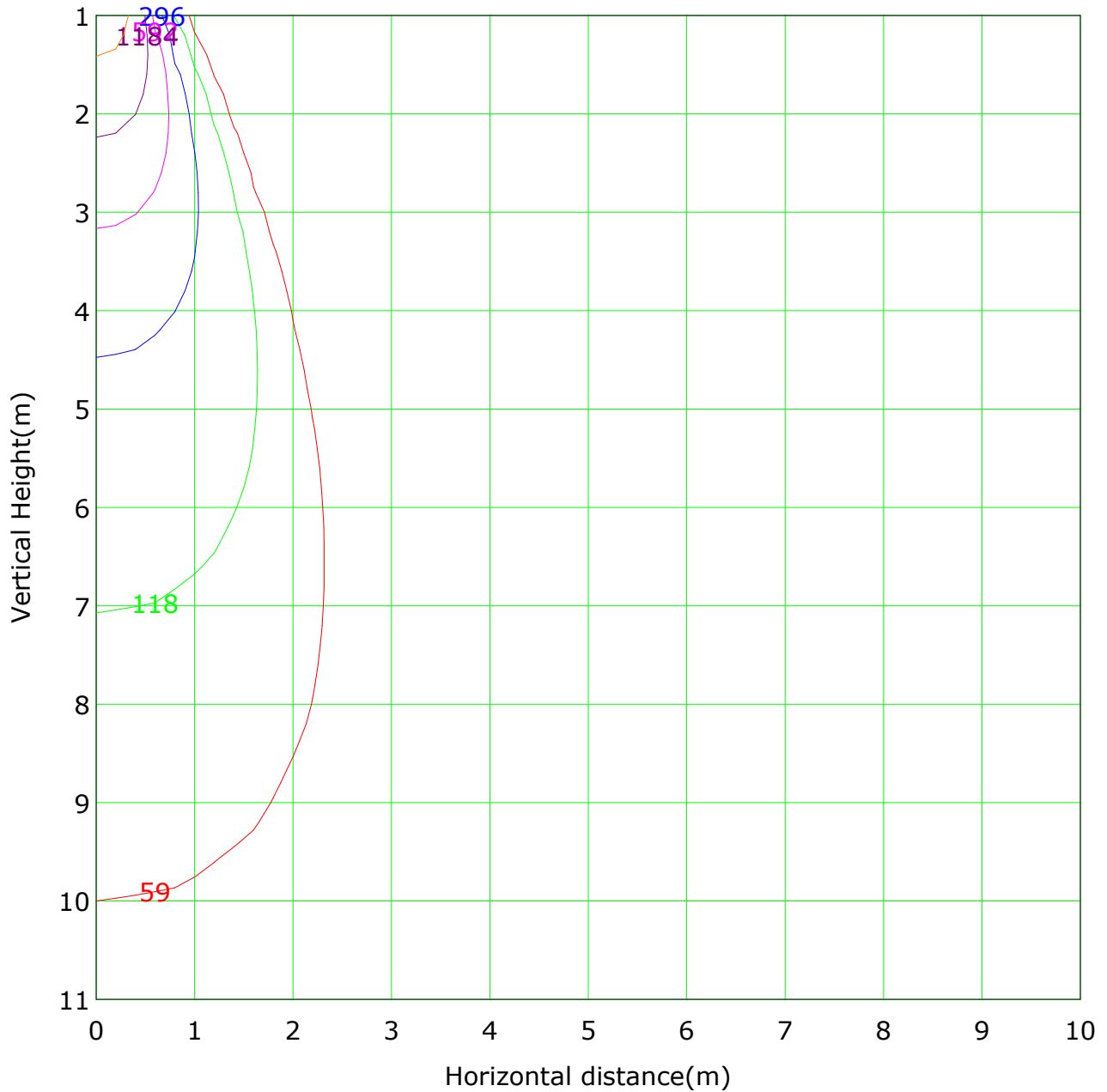
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



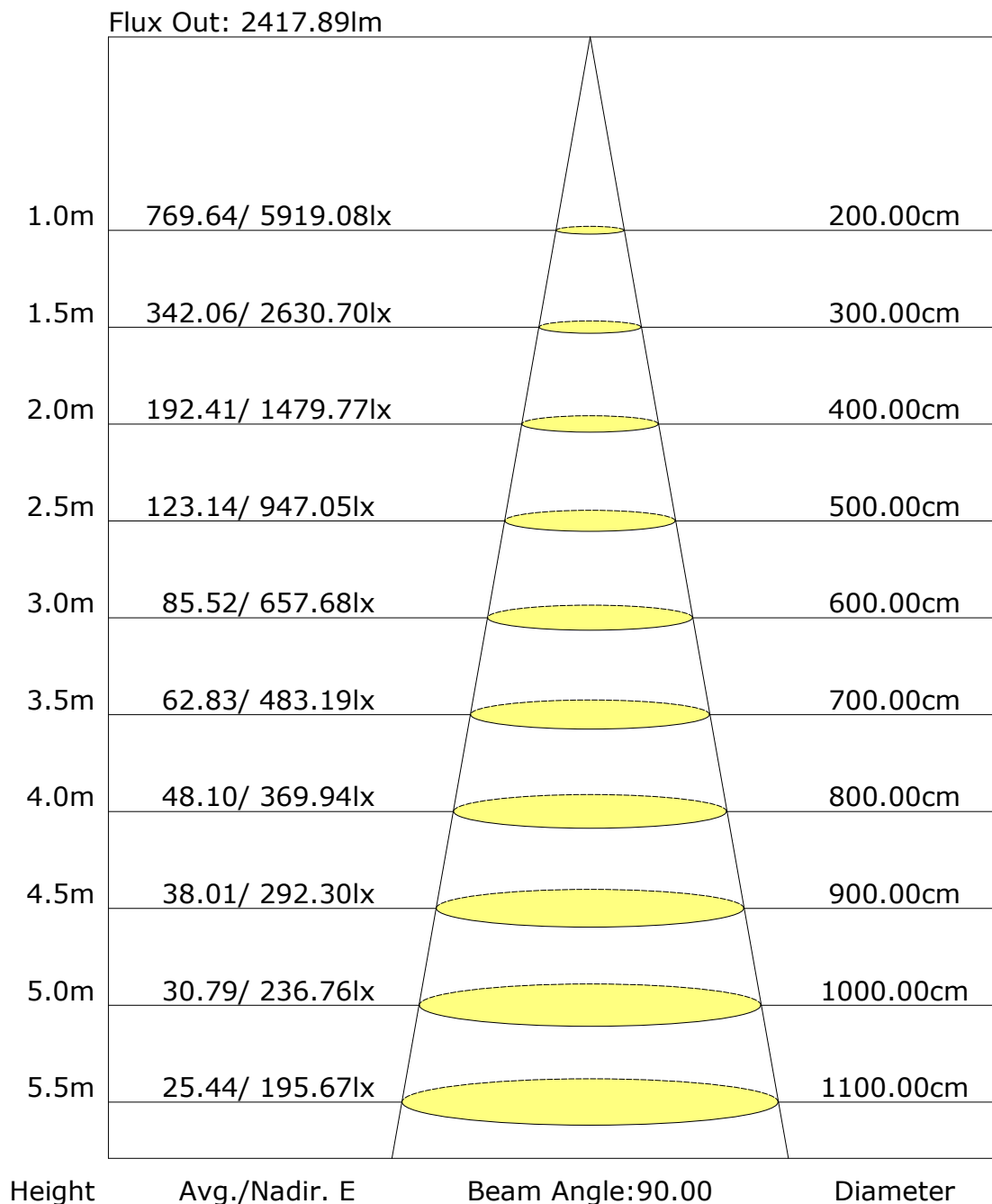
Lowest(m): 1m Highest(m): 11 Max Lux: 5919

(1%): 59 lx	(2%): 118 lx
(5%): 296 lx	(10%): 592 lx
(20%): 1184 lx	(50%): 2960 lx
(100%): 5919 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: