

Report No.: 32.09017 SPECTRUM Tracklight Test Time: 2023-09-13 14:31

Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 225.2 V

Current: 0.170 A

Power: 36.70 W

Power Factor: 0.957

Photometric Results

CIE Class: Direct

Measurement Flux: 4573 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H25.1

Vertical Diffuse Angle(50%): V25.1

Luminaire Efficacy Rating (LER): 125

Max. Intensity: 23801.92 cd

Total Rated Lamp Lumens: 4573.0 lm

Efficiency: 100%

Upward Ratio: 0%

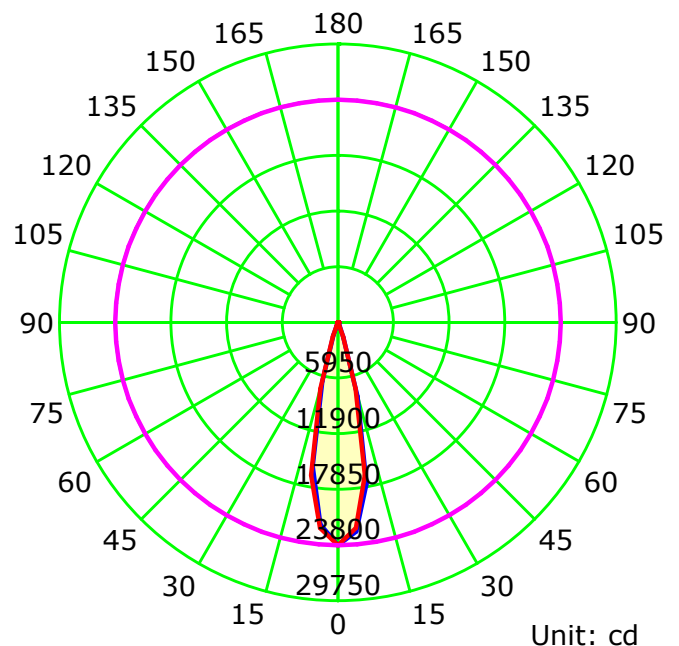
Central Intensity: 23801.92 cd

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

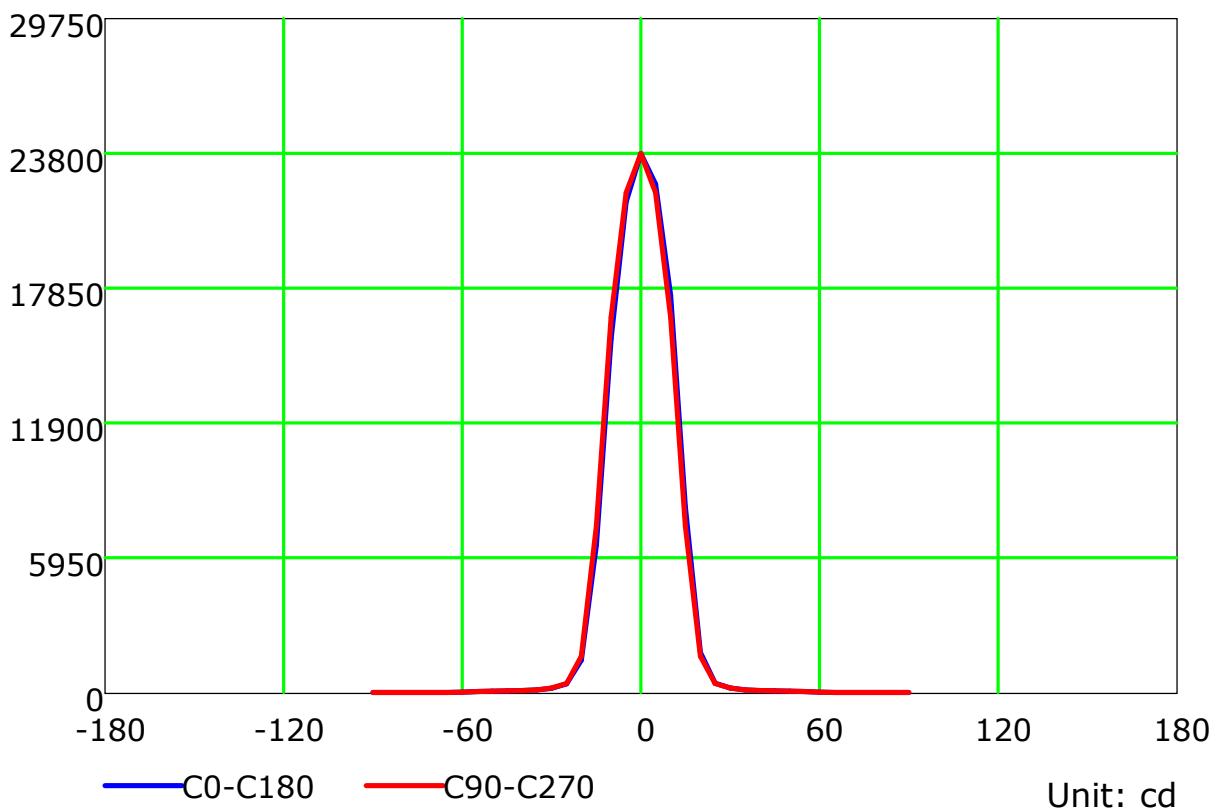
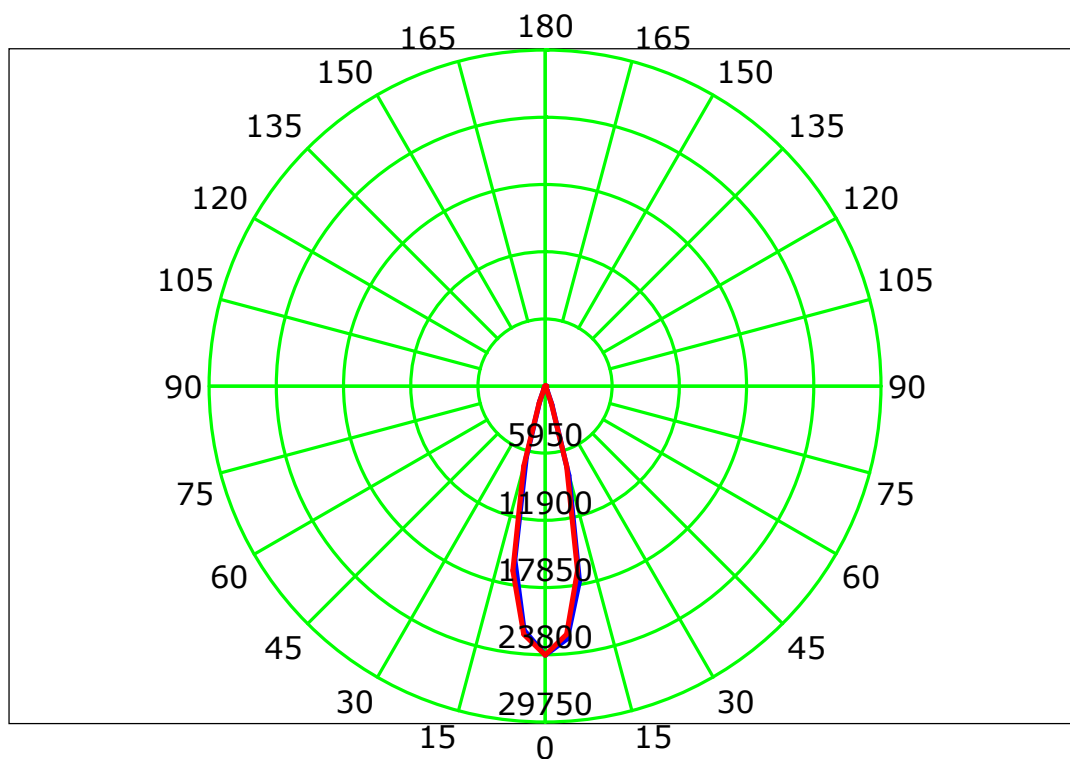
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

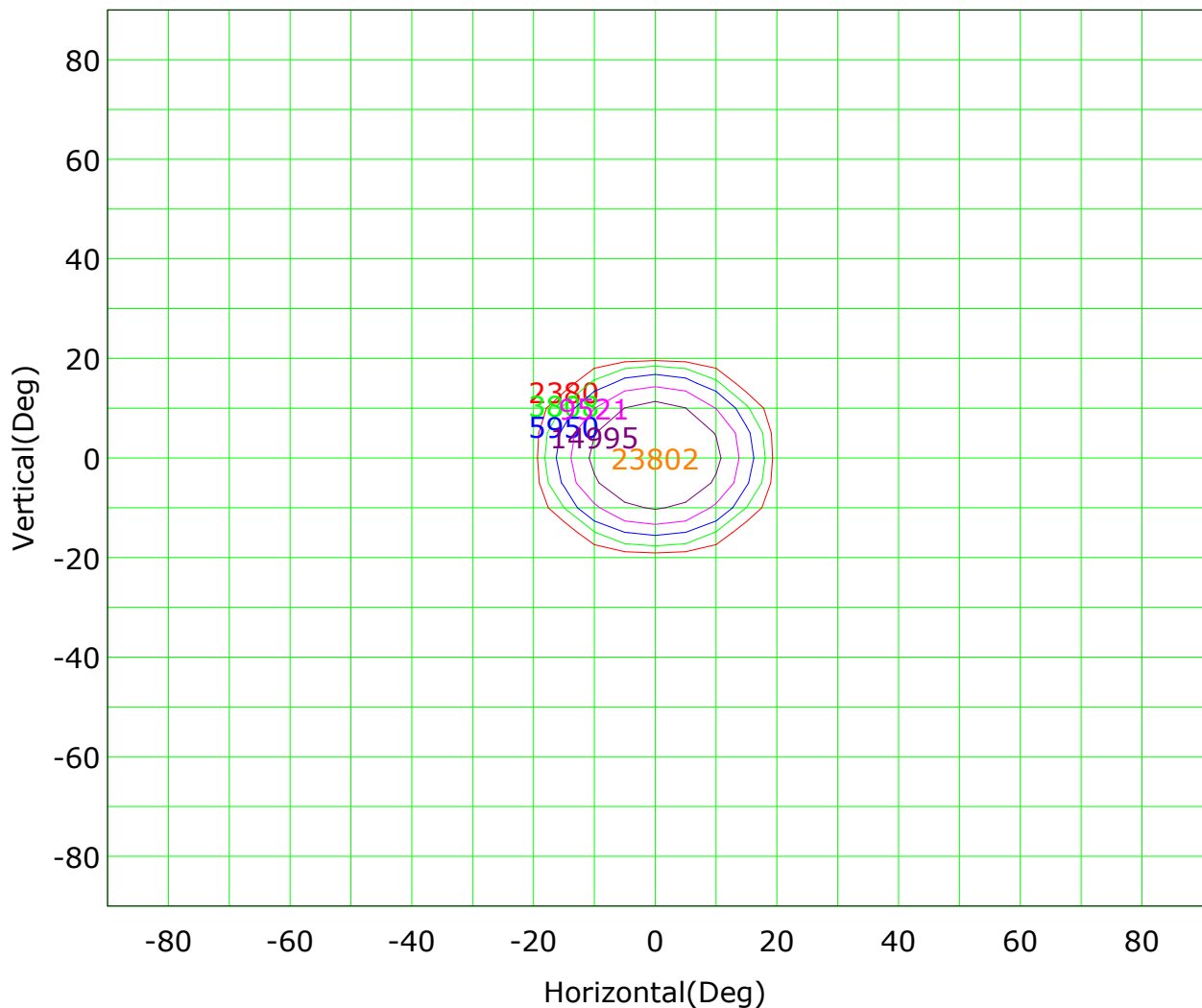
Luminous Intensity Distribution Curve



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%): 23802 cd

(10%): 2380 cd	(16%): 3808 cd
(25%): 5950 cd	(40%): 9521 cd
(63%): 14995 cd	(100%): 23802 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

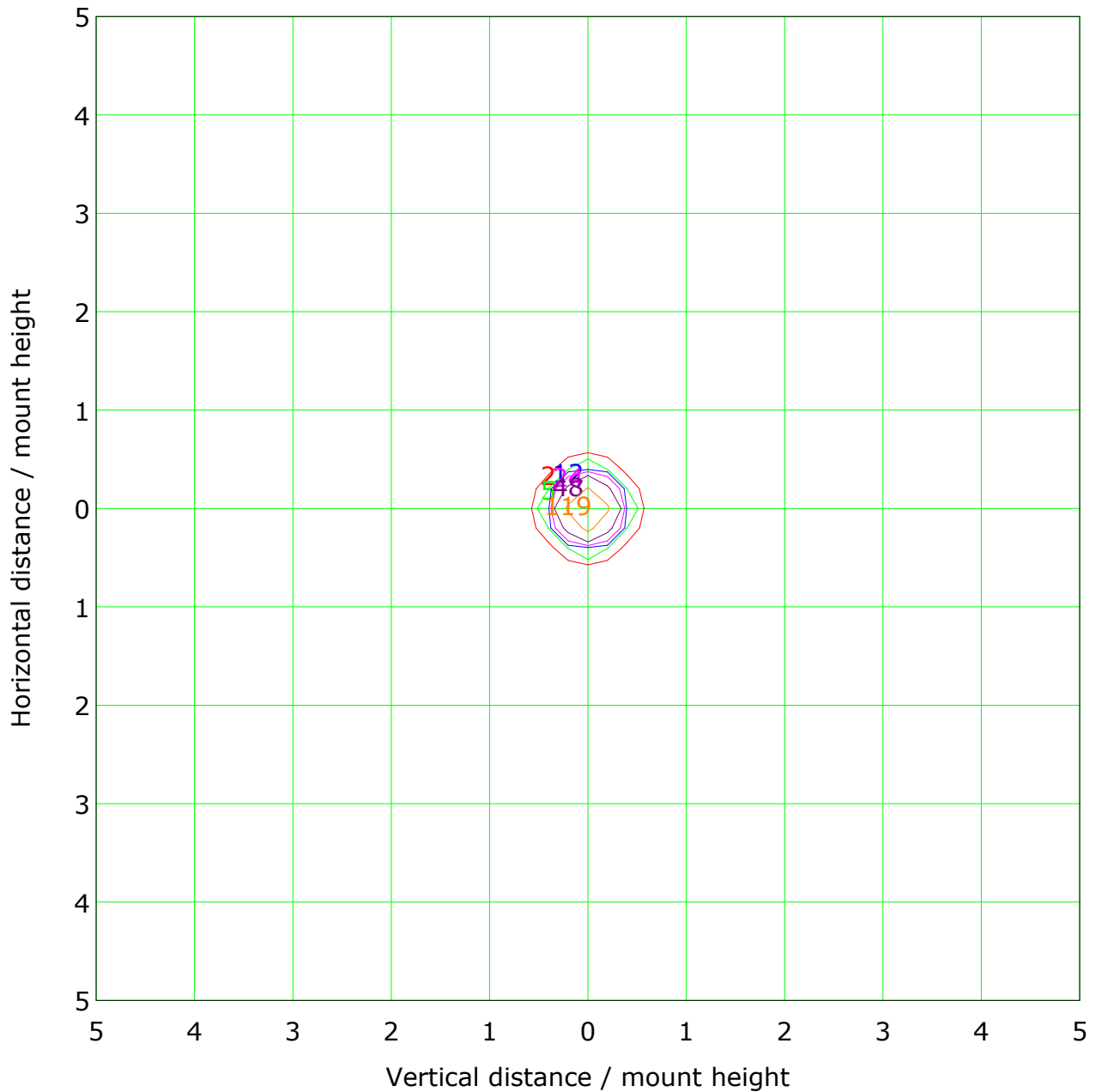
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 238 lx	
(1%):	2 lx	(2%):	5 lx
(5%):	12 lx	(10%):	24 lx
(20%):	48 lx	(50%):	119 lx
(100%):	238 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

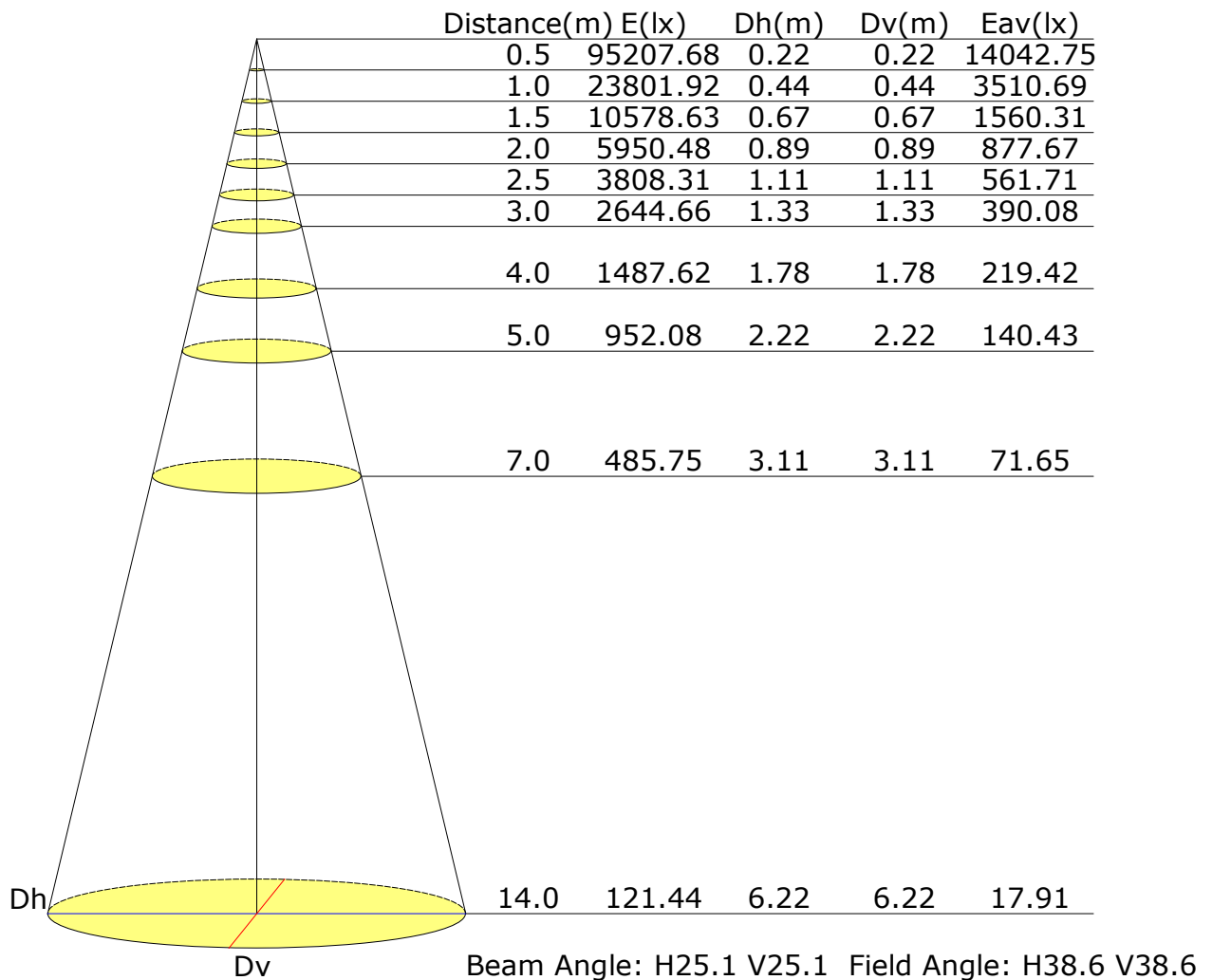
Test Device: CHL-6E

Distance: 3.000 m

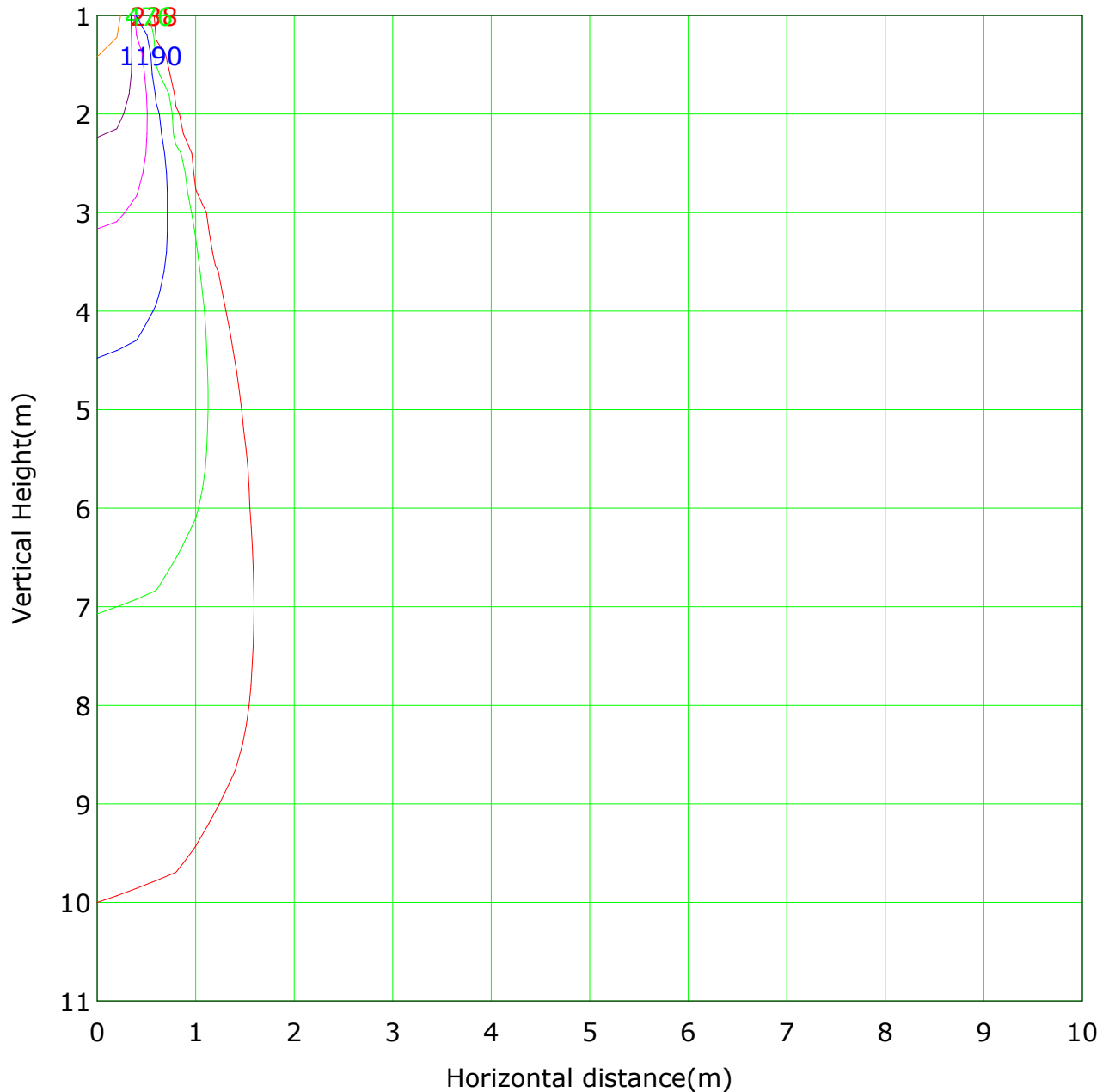
Humidity:

Inspector:

Illuminance at a Distance

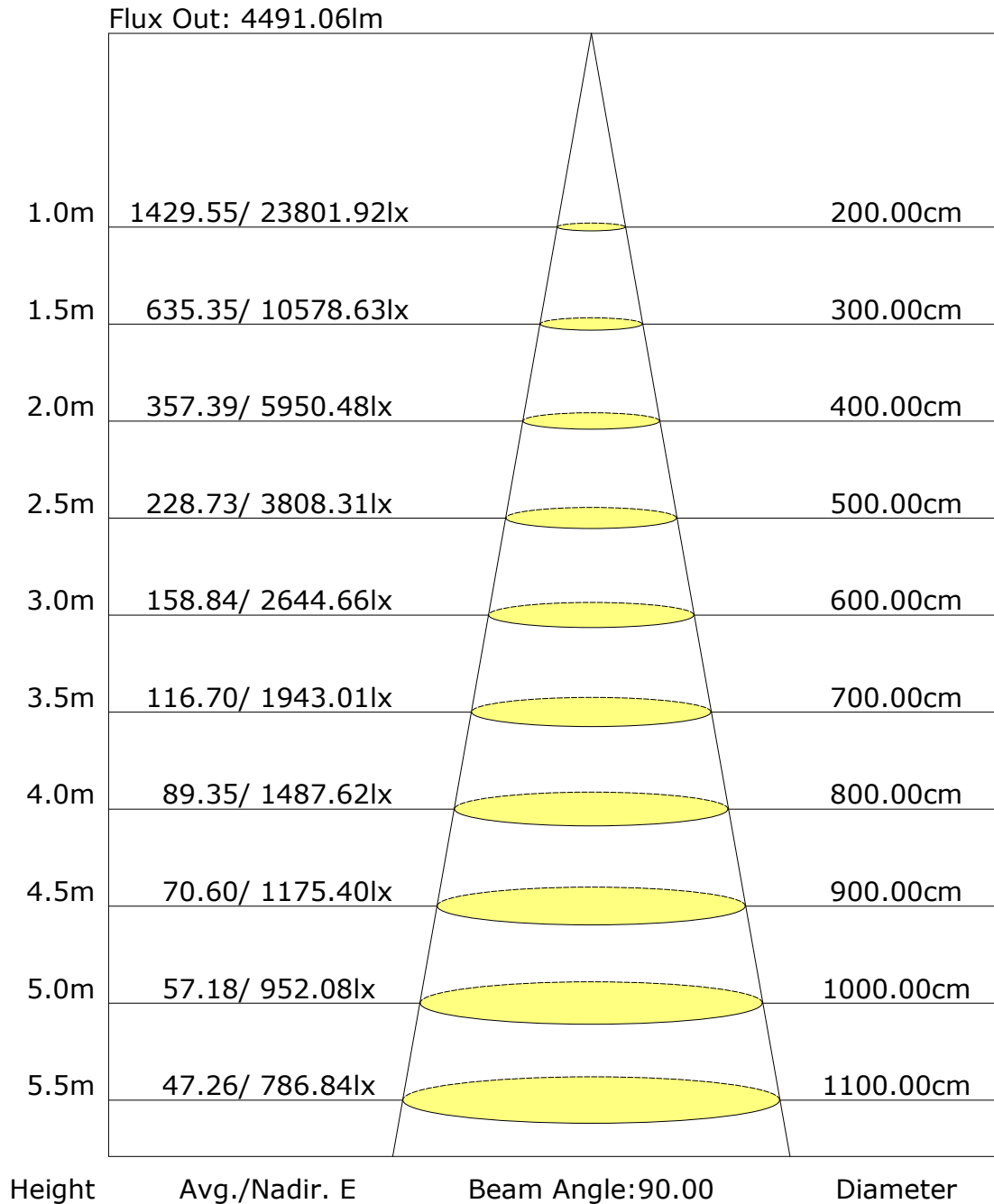


Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 23802
— (1%): 238 lx — (2%): 476 lx
— (5%): 1190 lx — (10%): 2380 lx
— (20%): 4760 lx — (50%): 11901 lx
— (100%): 23802 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: