

Report No.: 52.08013 SILM Downlight

Test Time: 2023-09-19 10:41

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 218.3 V

Current: 0.153 A

Power: 32.30 W

Power Factor: 0.965

Photometric Results

CIE Class: Direct

Measurement Flux: 3421.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H31

Vertical Diffuse Angle(50%): V31

Luminaire Efficacy Rating (LER): 106

Max. Intensity: 12148.14 cd

Total Rated Lamp Lumens: 3421.8 lm

Efficiency: 100%

Upward Ratio: 0%

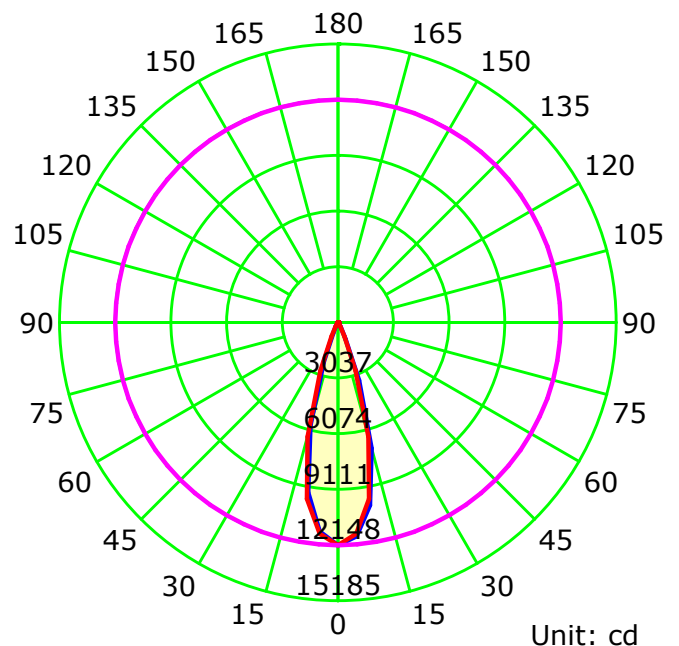
Central Intensity: 12148.14 cd

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

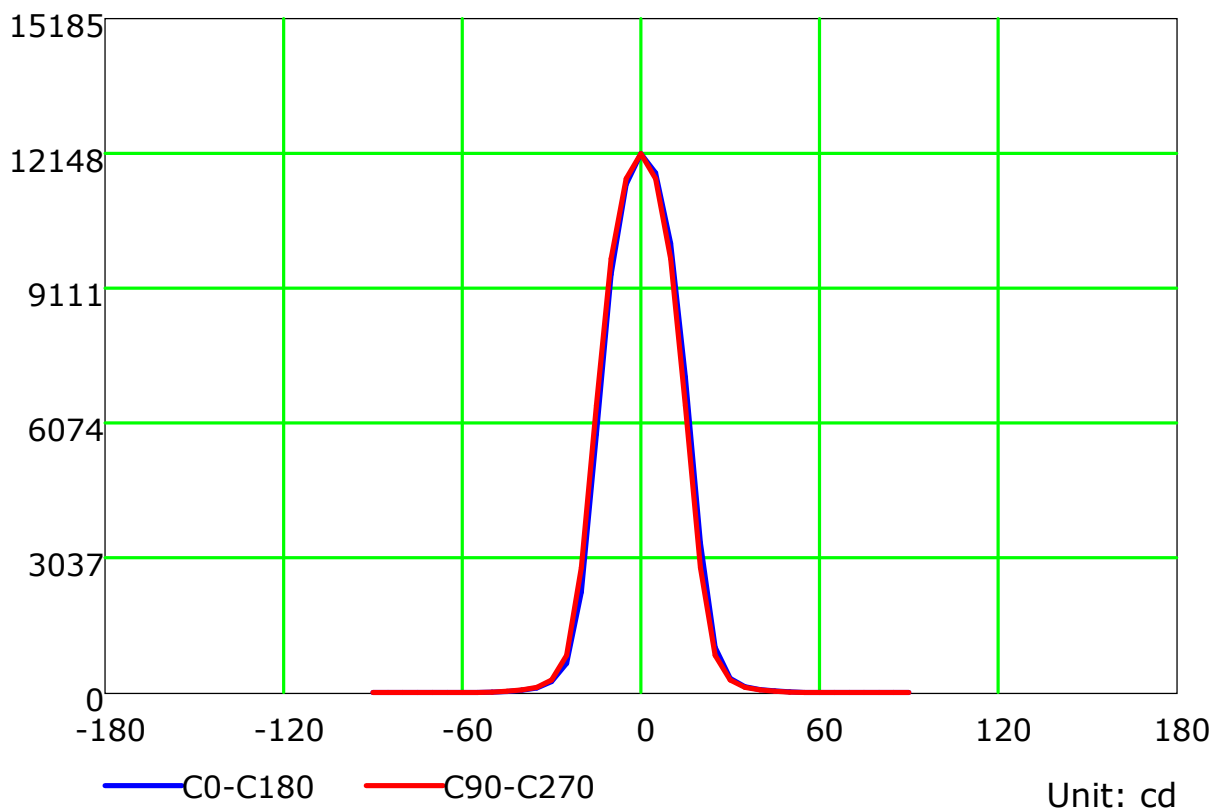
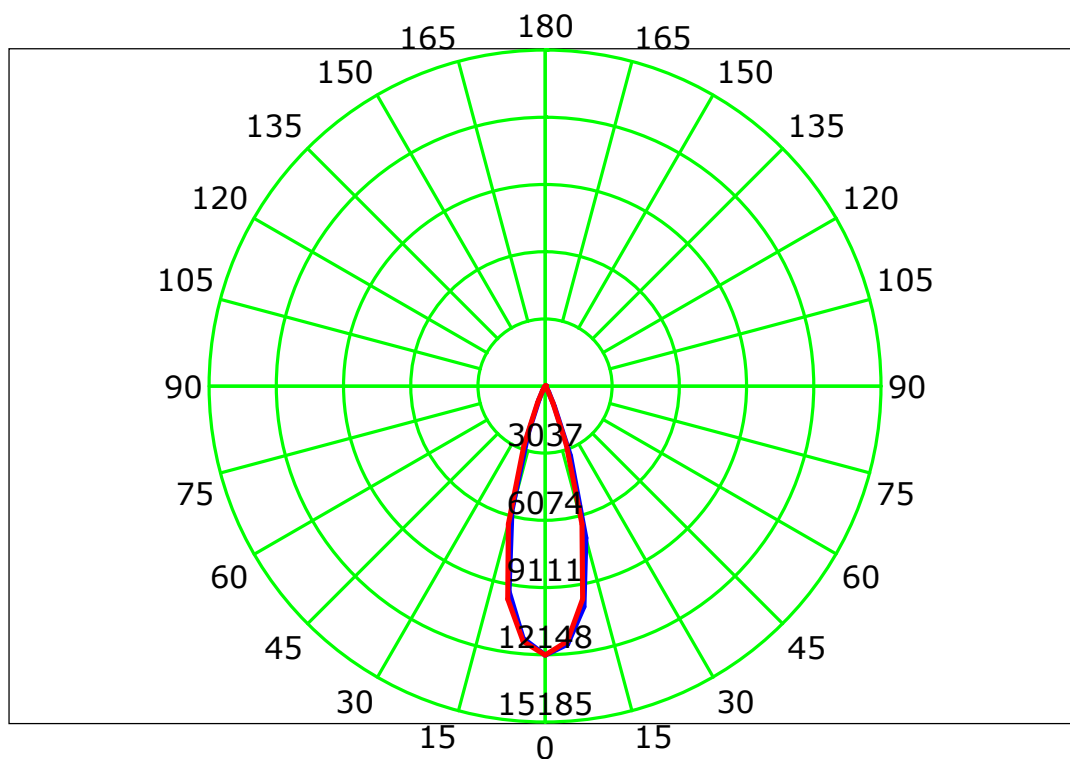
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

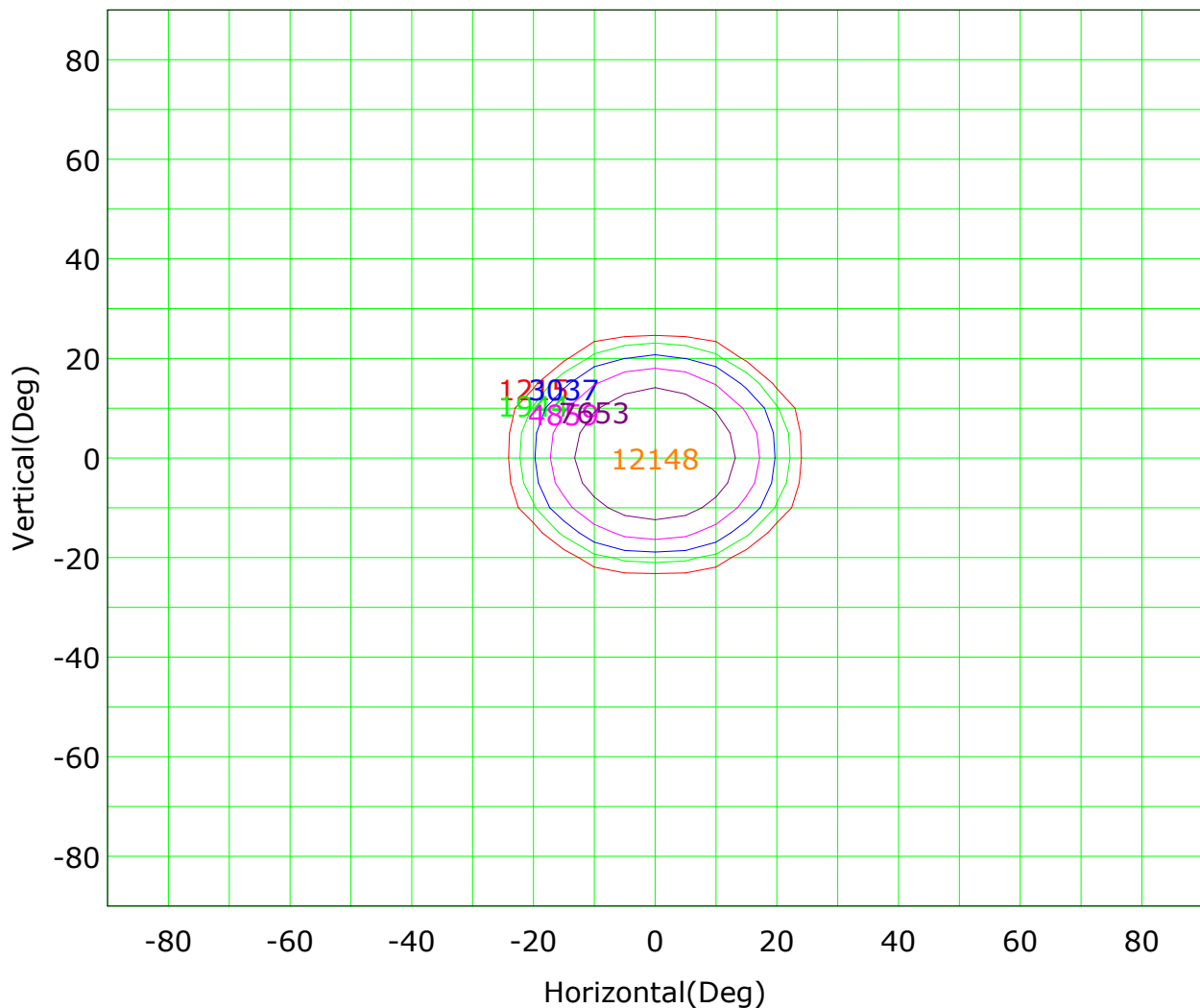
Luminous Intensity Distribution Curve



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%): 12148 cd

(10%): 1215 cd	(16%): 1944 cd
(25%): 3037 cd	(40%): 4859 cd
(63%): 7653 cd	(100%): 12148 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

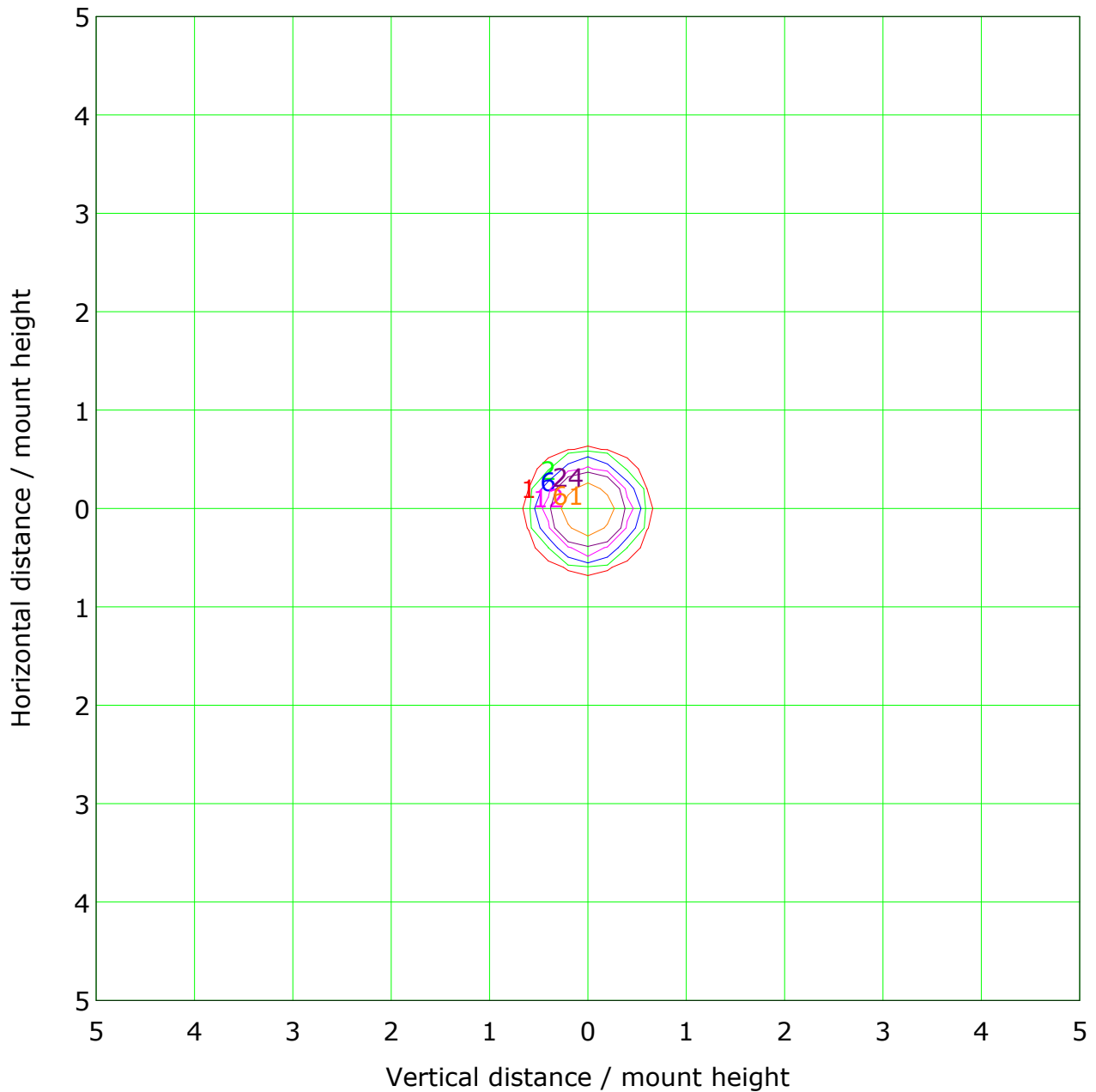
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 121 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	6 lx	(10%):	12 lx
(20%):	24 lx	(50%):	61 lx
(100%):	121 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

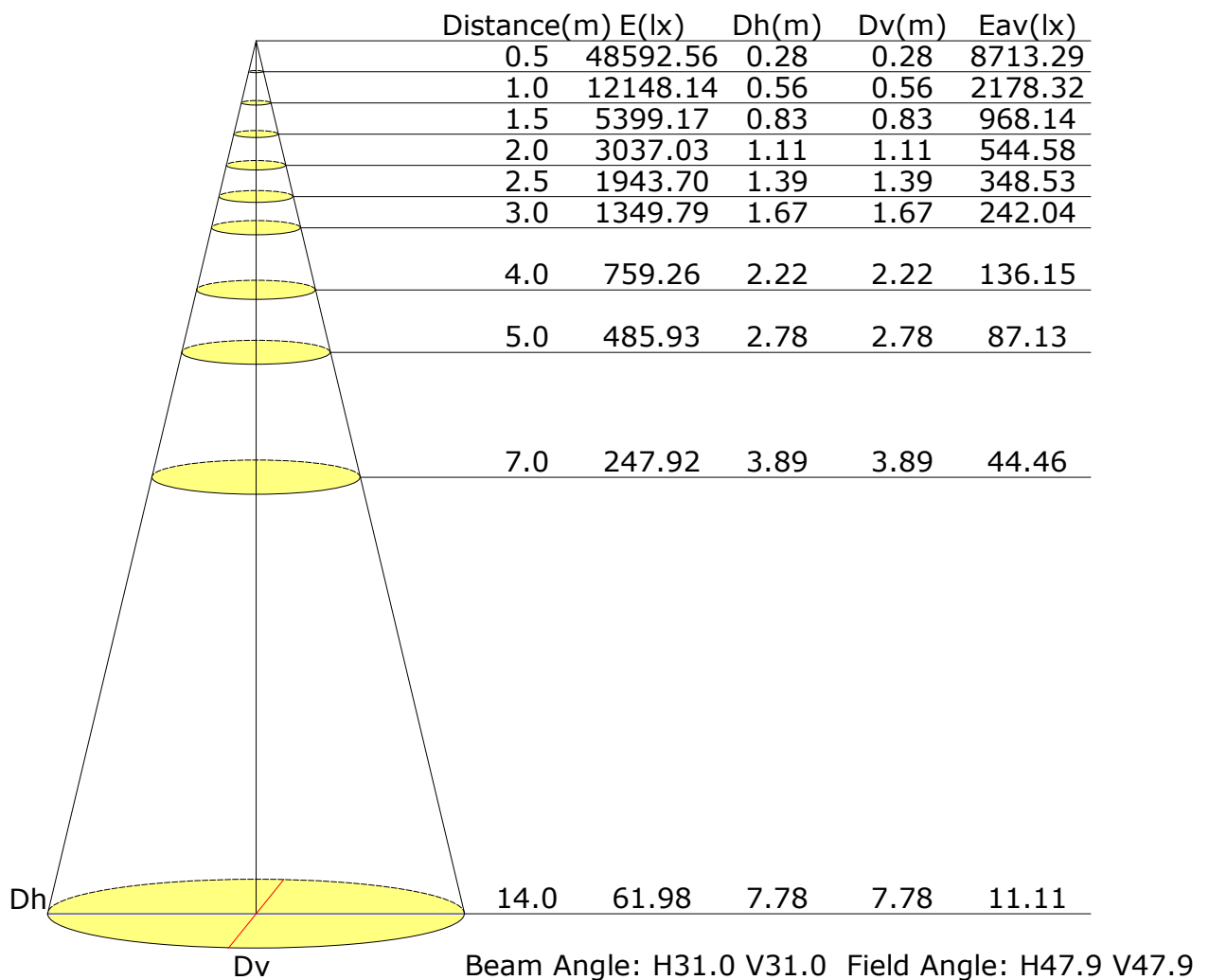
Test Device: CHL-6E

Distance: 3.000 m

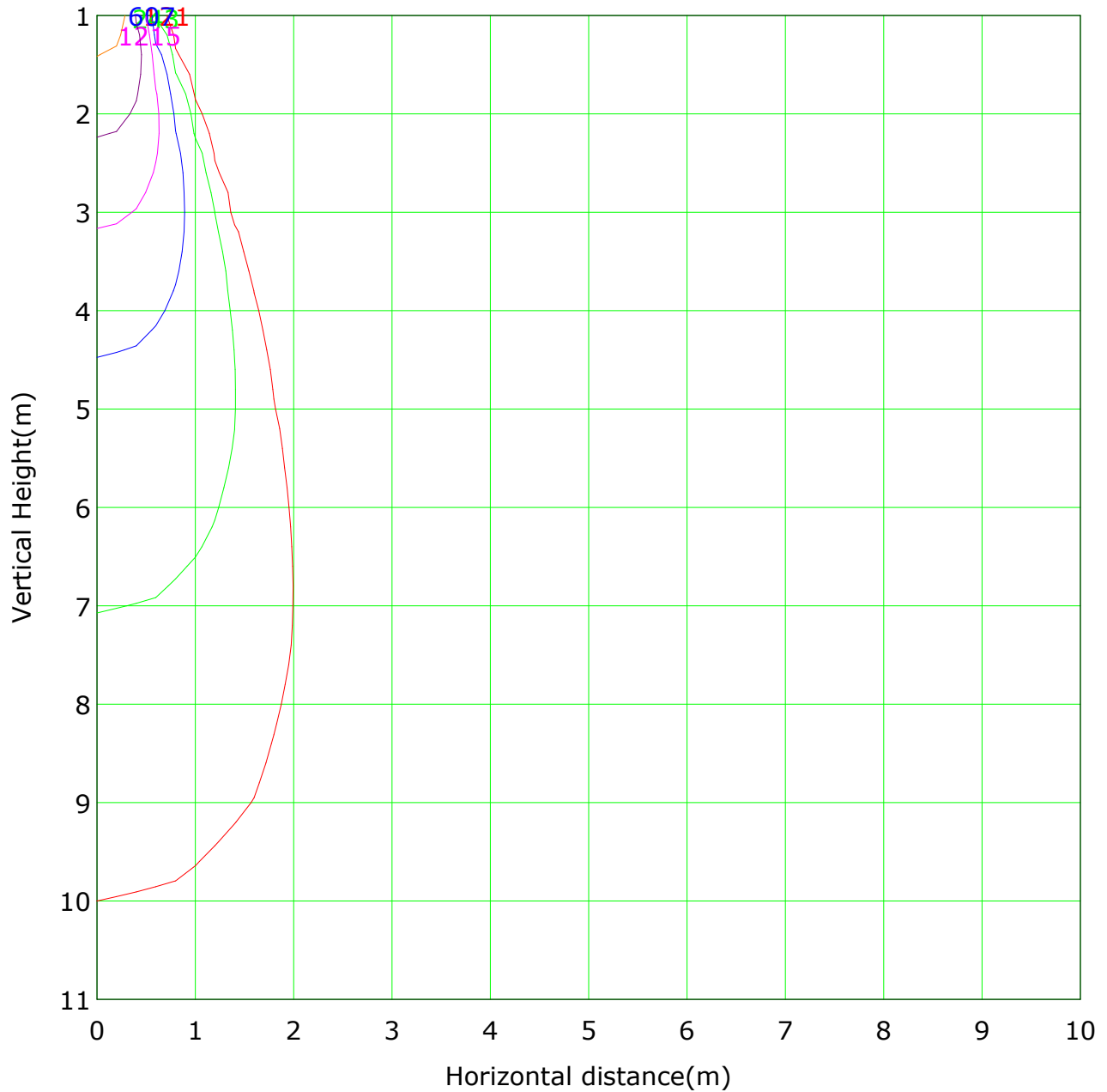
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



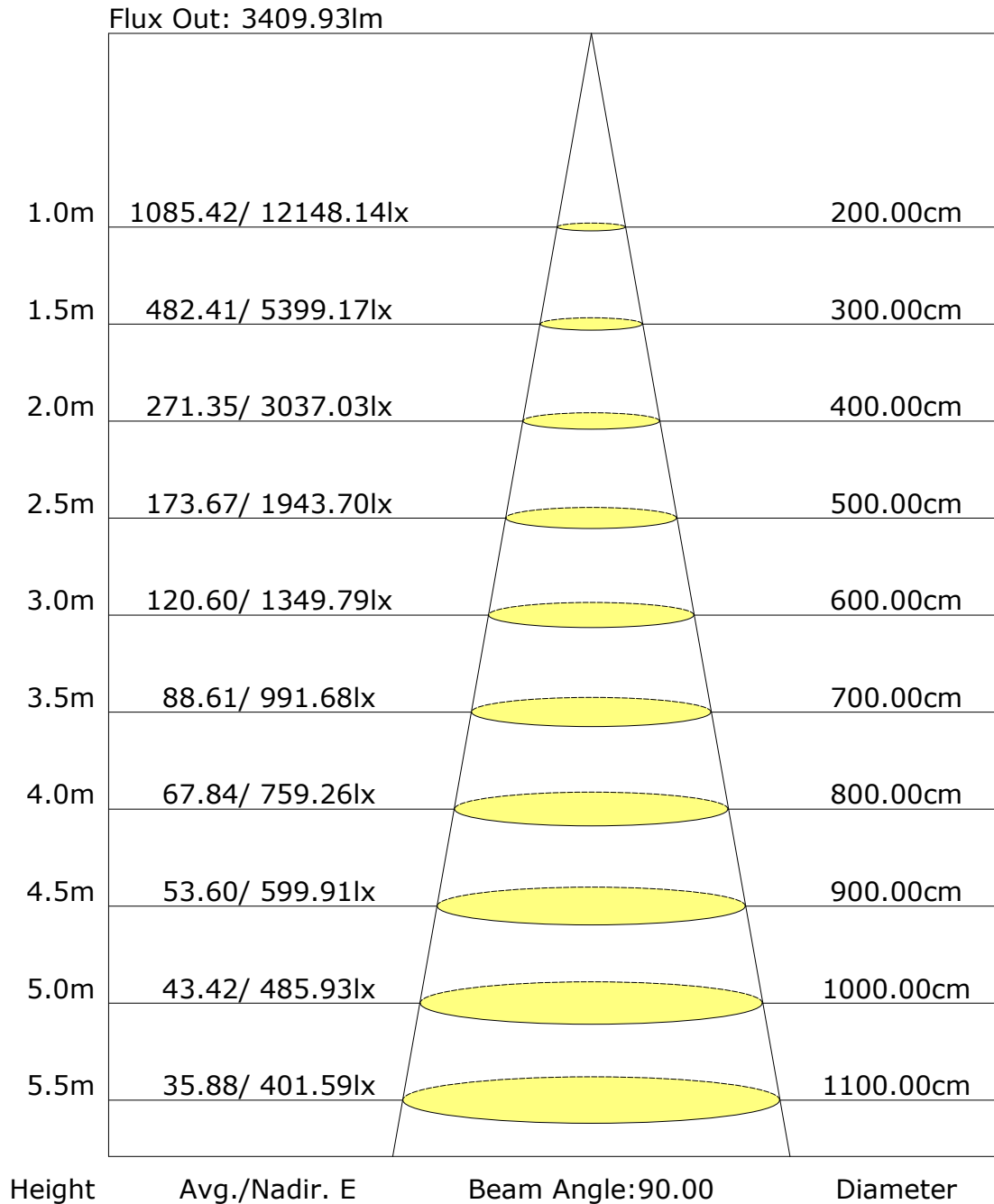
Lowest(m): 1m Highest(m): 11 Max Lux: 12148

(1%): 121 lx	(2%): 243 lx
(5%): 607 lx	(10%): 1215 lx
(20%): 2430 lx	(50%): 6074 lx
(100%): 12148 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: