

Report No.: 52.08013 SILM Downlight

Test Time: 2023-09-19 10:35

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 216.3 V

Current: 0.155 A

Power: 32.50 W

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 3267.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H50.2

Vertical Diffuse Angle(50%): V50.2

Luminaire Efficacy Rating (LER): 101

Max. Intensity: 4962.8 cd

Total Rated Lamp Lumens: 3267.5 lm

Efficiency: 100%

Upward Ratio: 0%

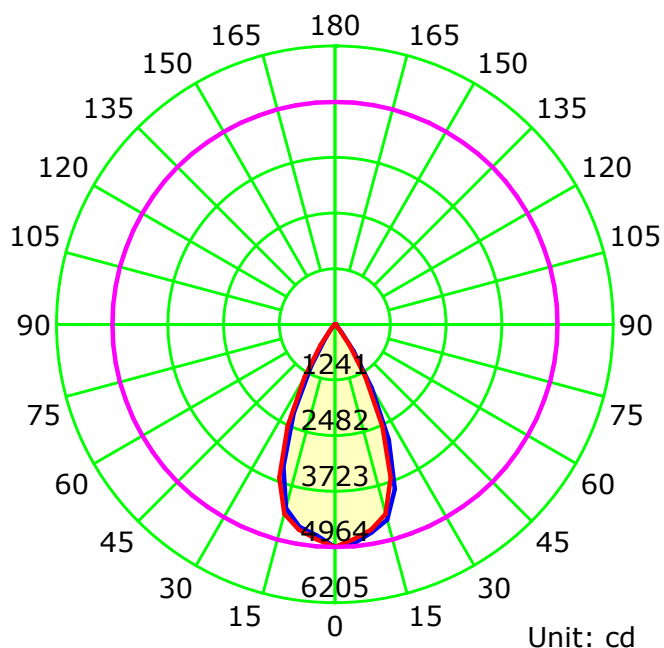
Central Intensity: 4962.79 cd

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

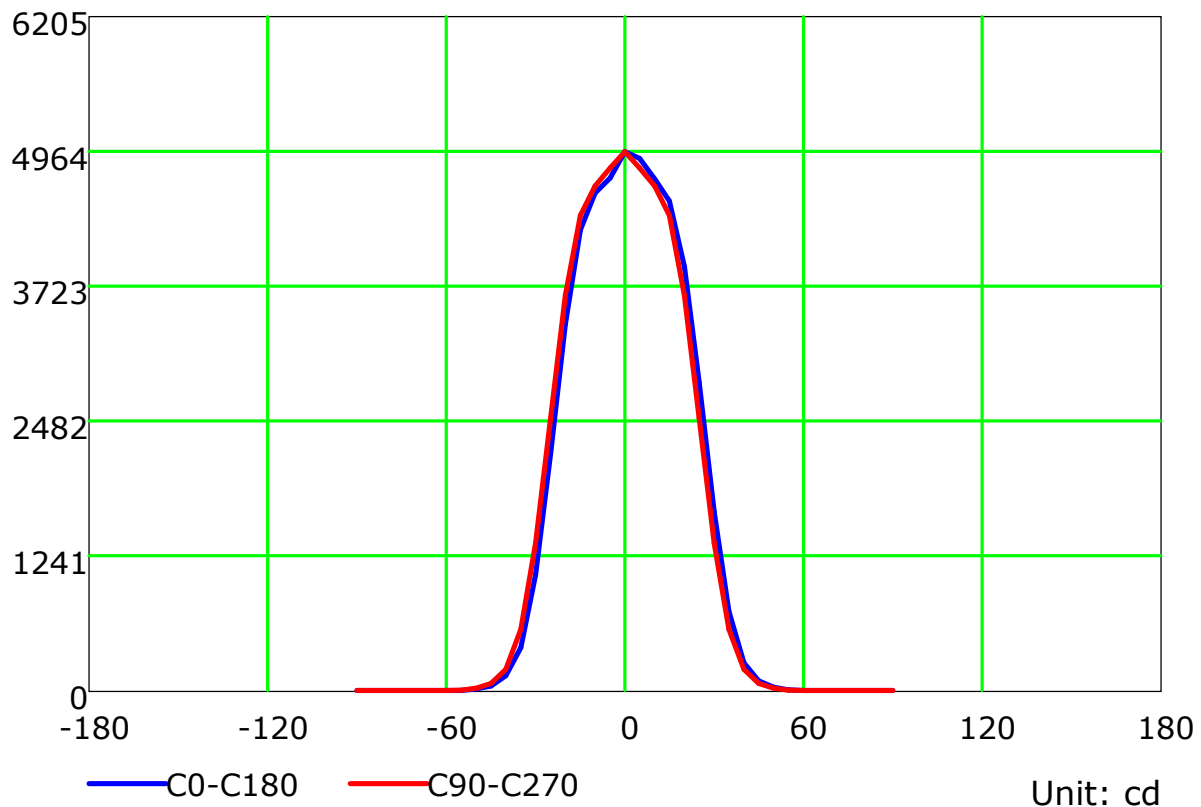
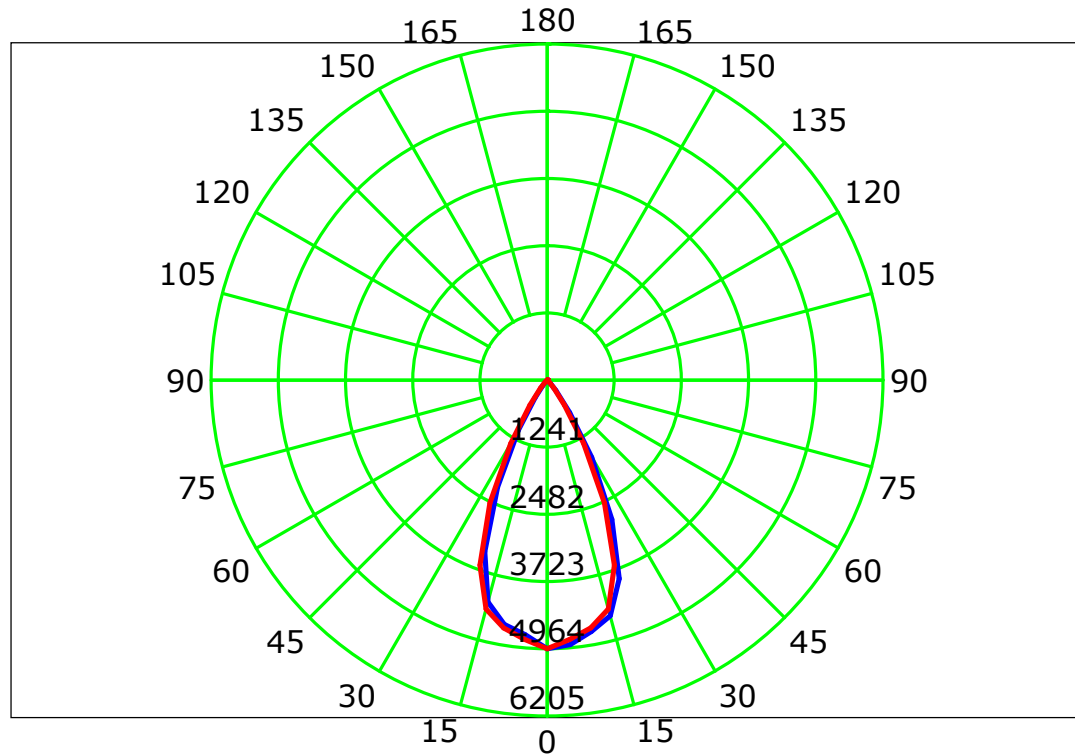
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

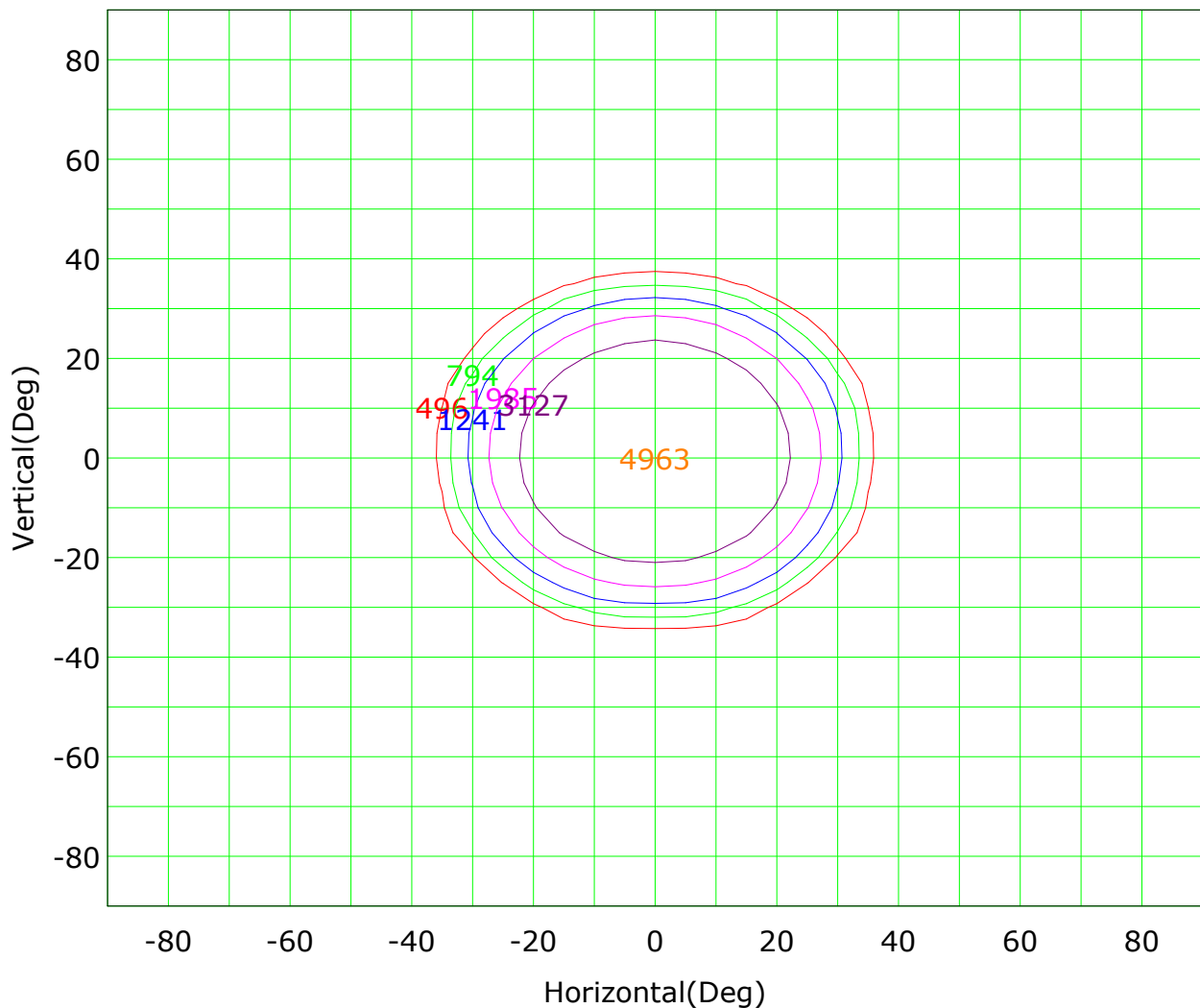
Luminous Intensity Distribution Curve



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%): 4963 cd

(10%): 496 cd	(16%): 794 cd
(25%): 1241 cd	(40%): 1985 cd
(63%): 3127 cd	(100%): 4963 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

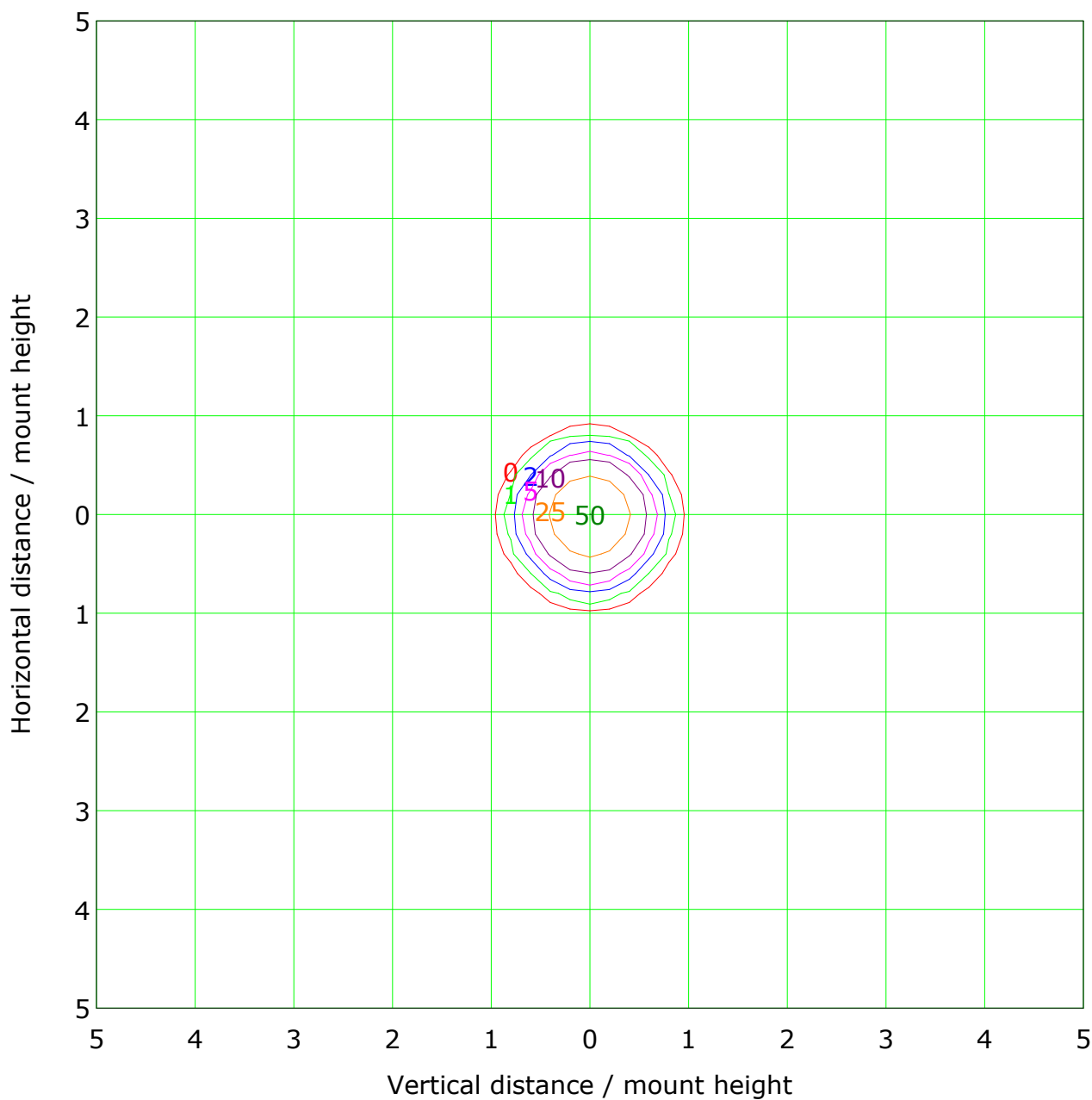
Test Device: CHL-6E

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

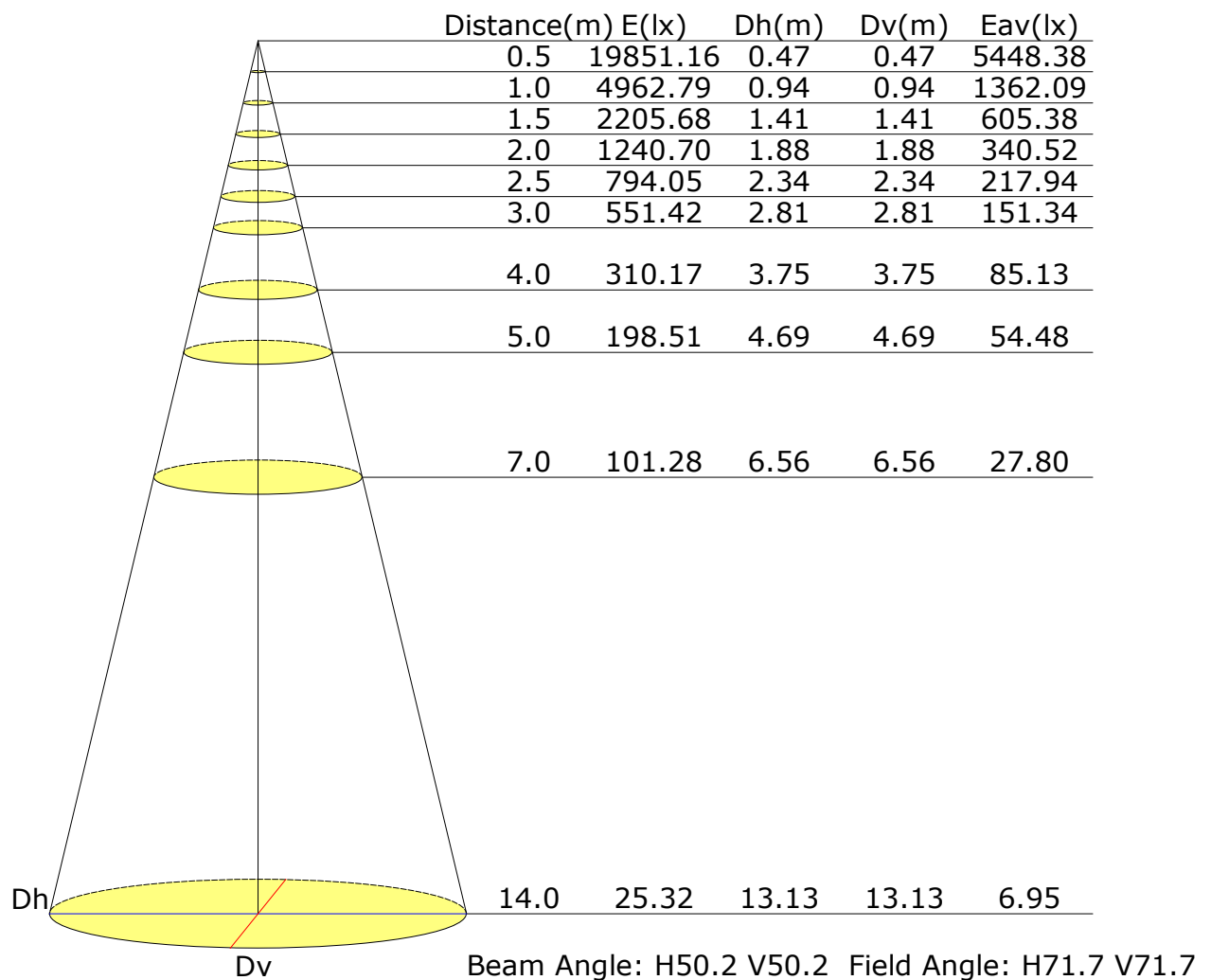
Test Device: CHL-6E

Distance: 3.000 m

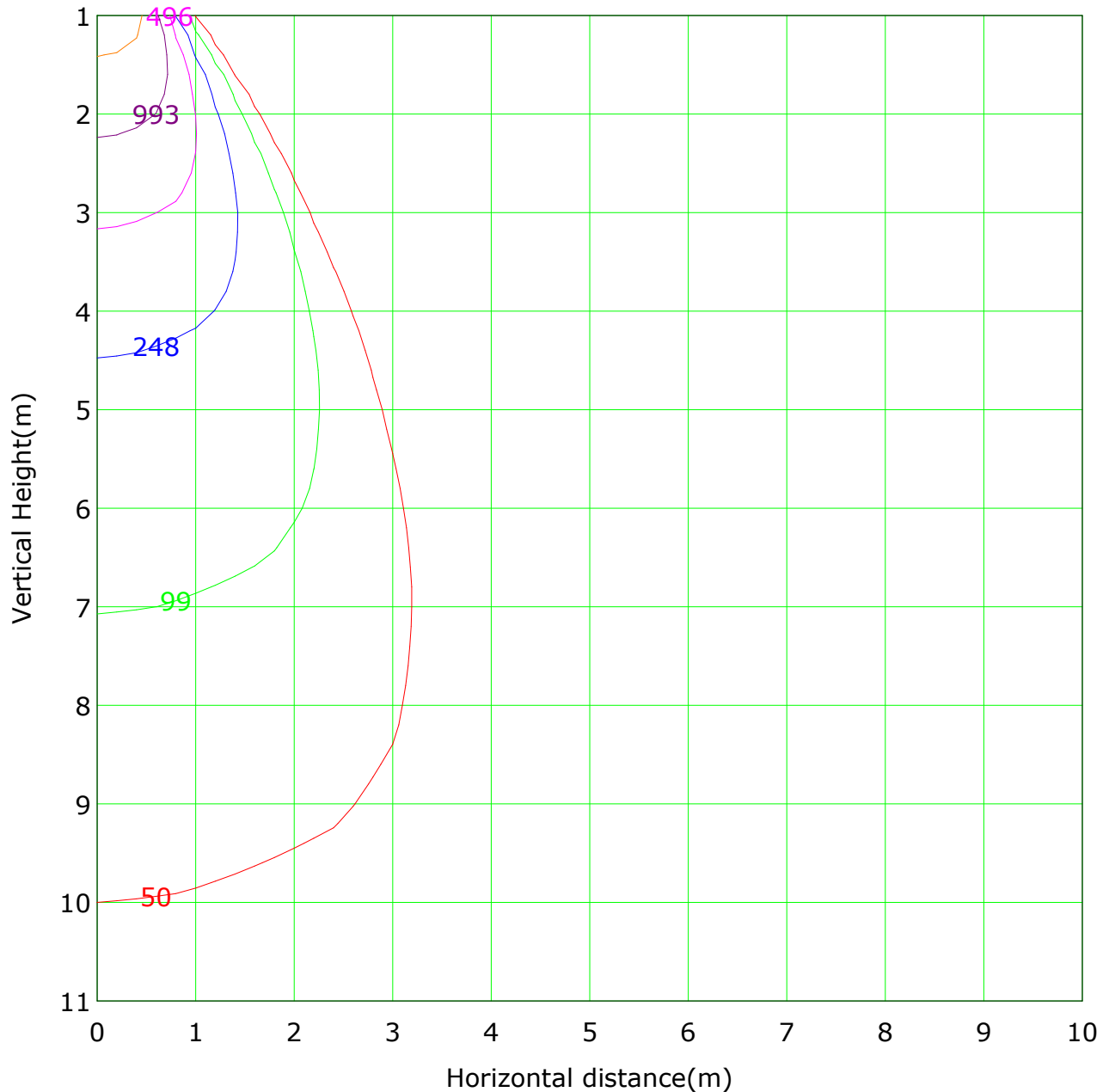
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



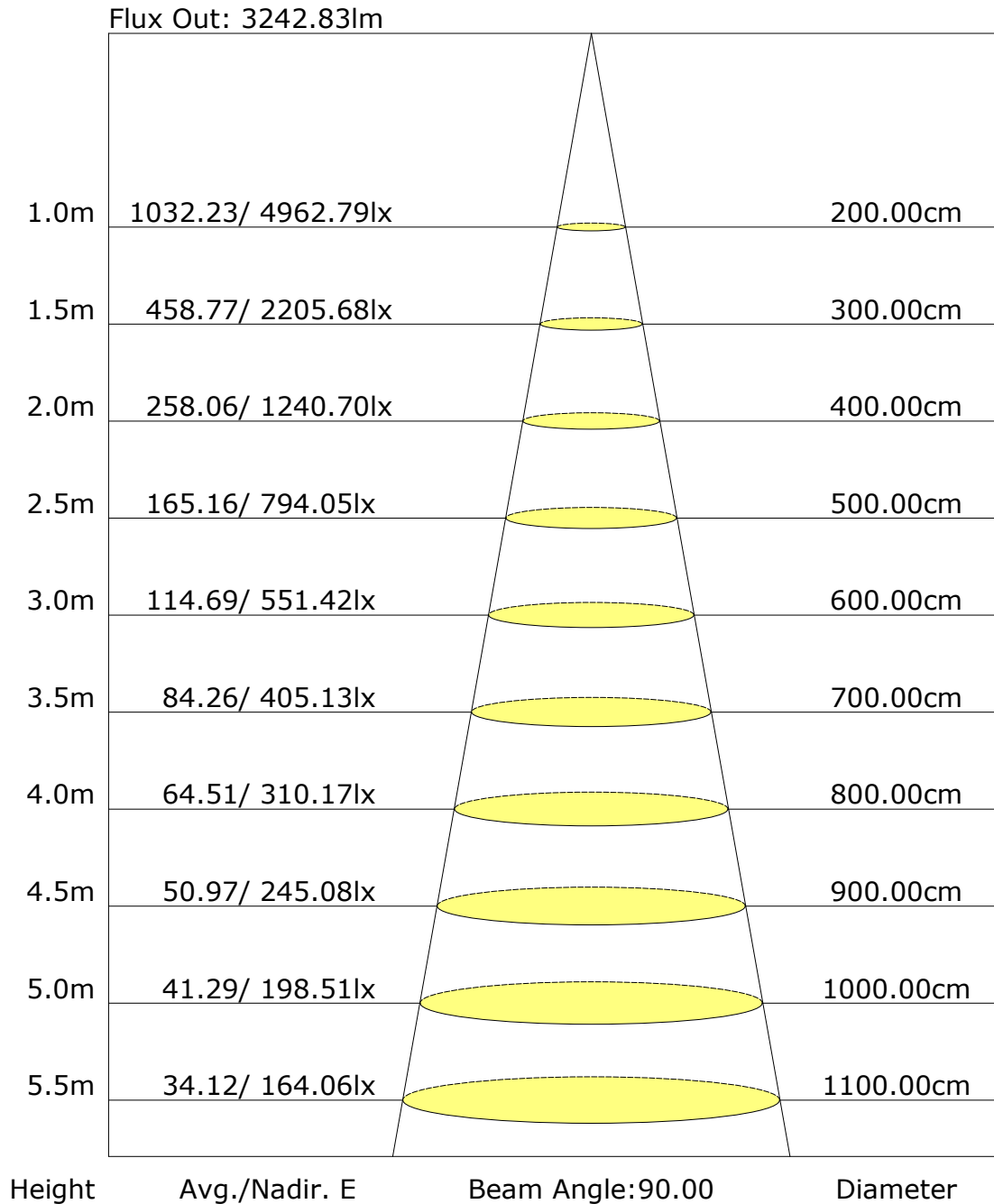
Lowest(m): 1m Highest(m): 11 Max Lux: 4963

(1%): 50 lx	(2%): 99 lx
(5%): 248 lx	(10%): 496 lx
(20%): 993 lx	(50%): 2481 lx
(100%): 4963 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: