

Report No.:56.04512 Recessed Downlight Test Time: 2023-06-30 17:06

Luminaire Property

Luminaire Category: Citizen 1203 3000K CRI90
Luminaire Description: FOS 55 24D Voltage: 206.3 V
Current: 0.114 A Power: 16.00 W
Power Factor: 0.672

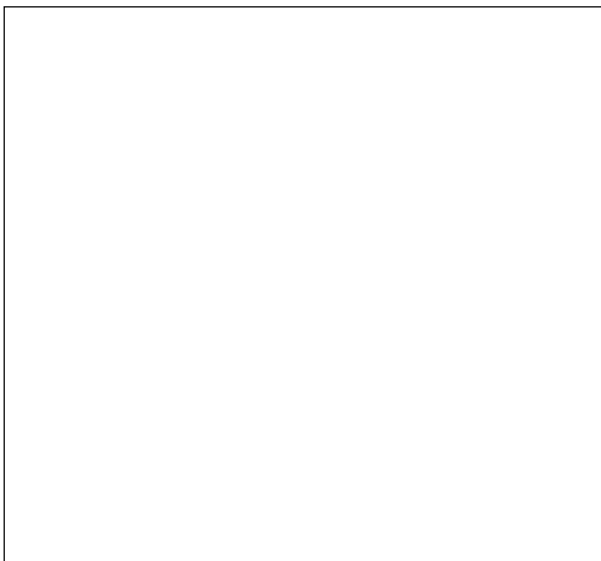
Photometric Results

CIE Class: Direct
Measurement Flux: 1408.7 lm
Downward Ratio: 100%
Horizontal Diffuse Angle(50%): H31.2
Vertical Diffuse Angle(50%): V31.2
Luminaire Efficacy Rating (LER): 88
Max. Intensity: 4998.25 cd

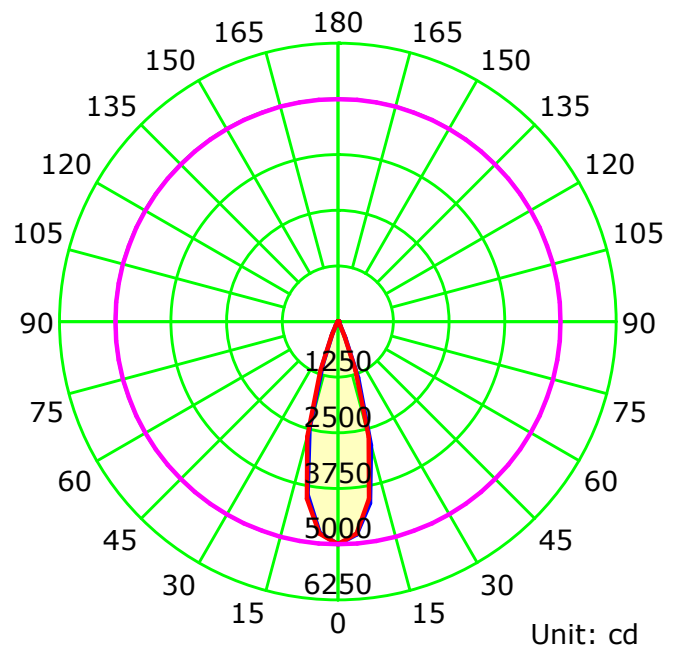
Total Rated Lamp Lumens: 1408.7 lm
Efficiency: 100%
Upward Ratio: 0%

Central Intensity: 4998.24 cd
Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve

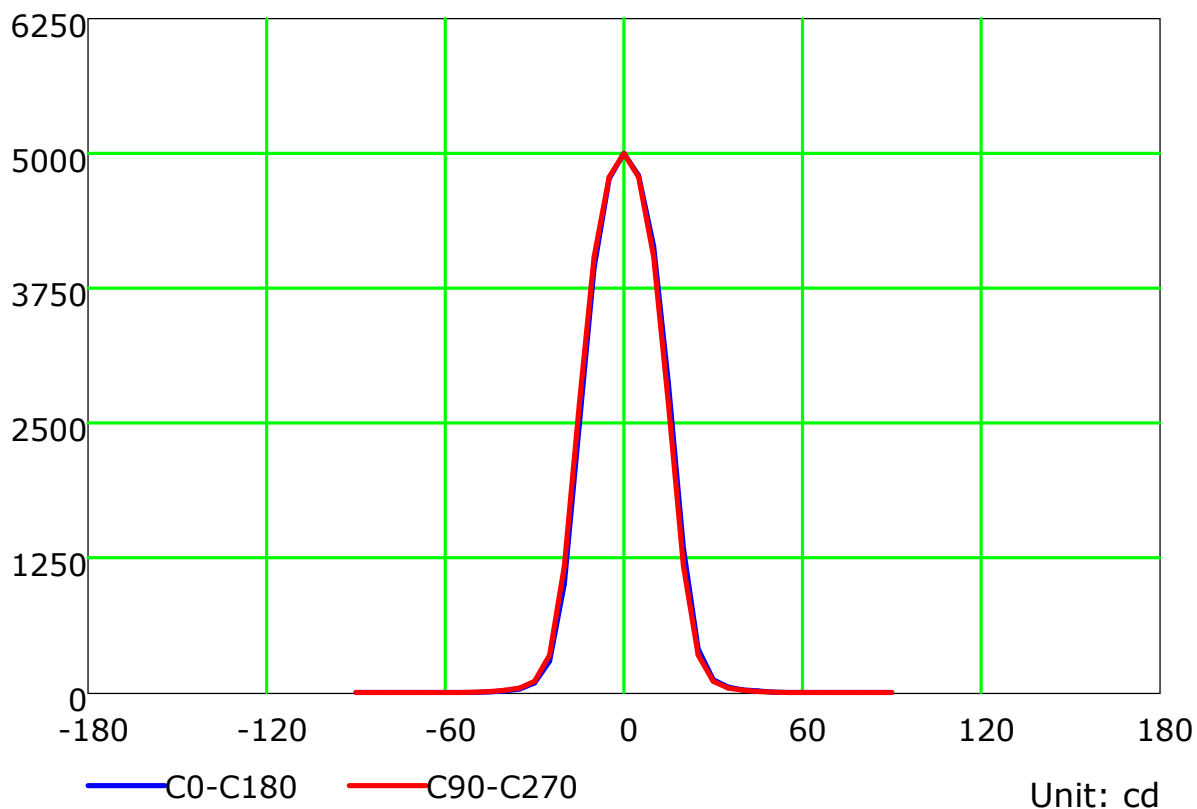
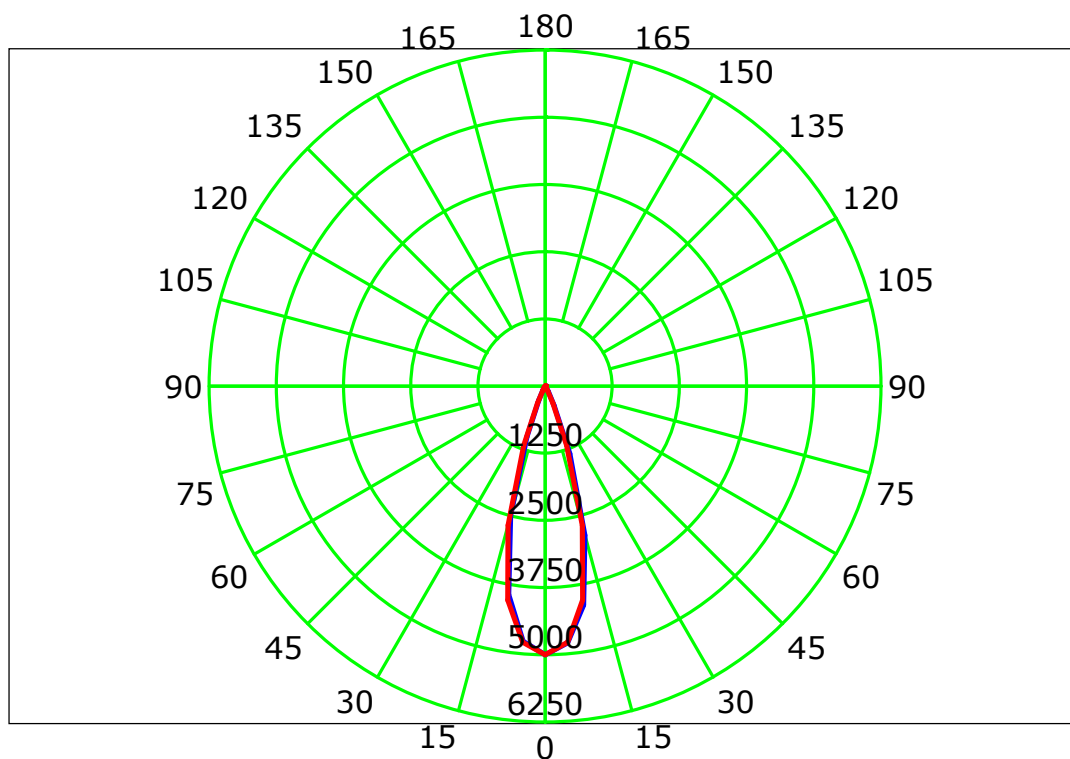


— C0-C180 — C90-C270 — G0

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:

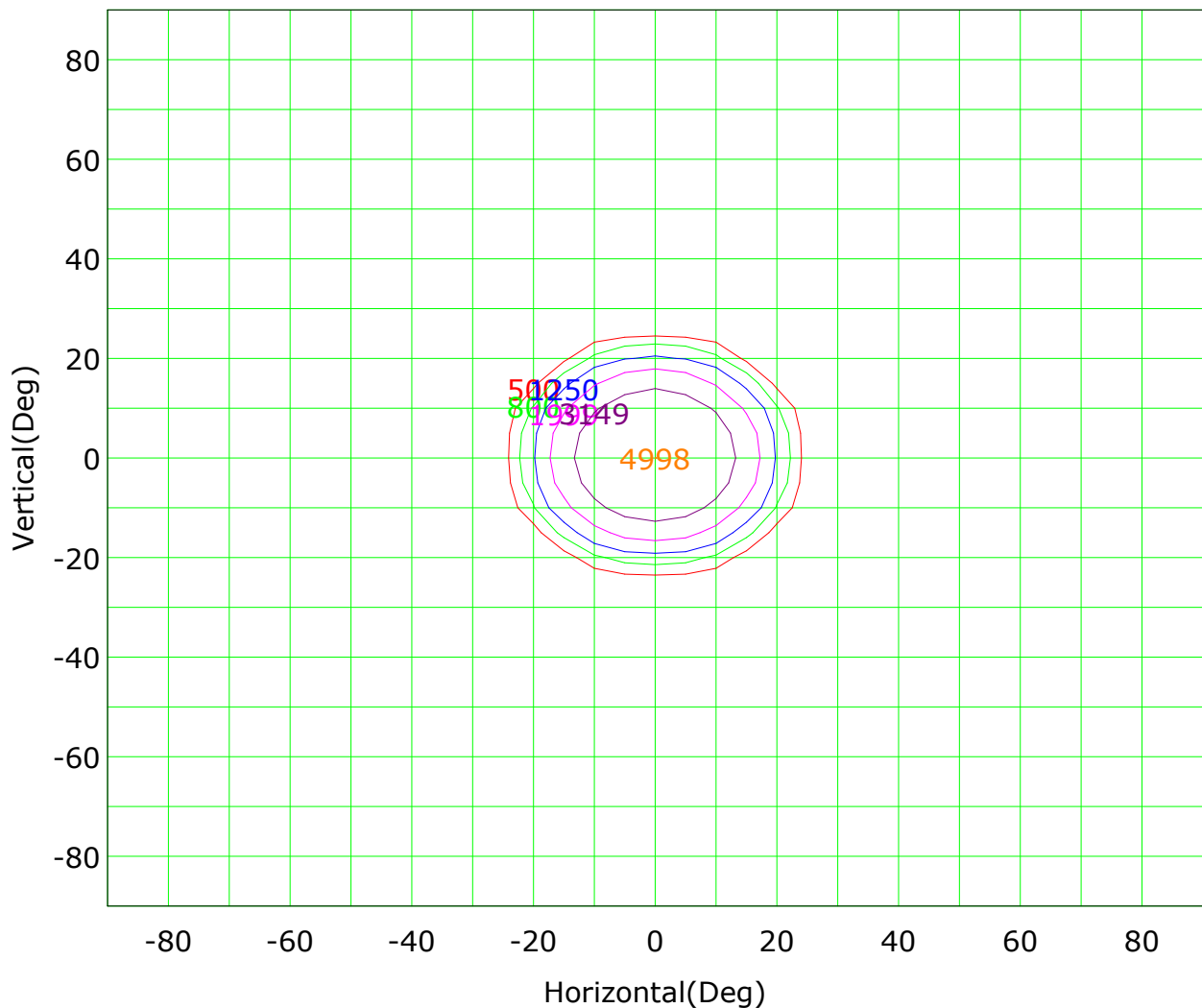
Luminous Intensity Distribution Curve



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

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Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 4998 cd

(10%): 500 cd	(16%): 800 cd
(25%): 1250 cd	(40%): 1999 cd
(63%): 3149 cd	(100%): 4998 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

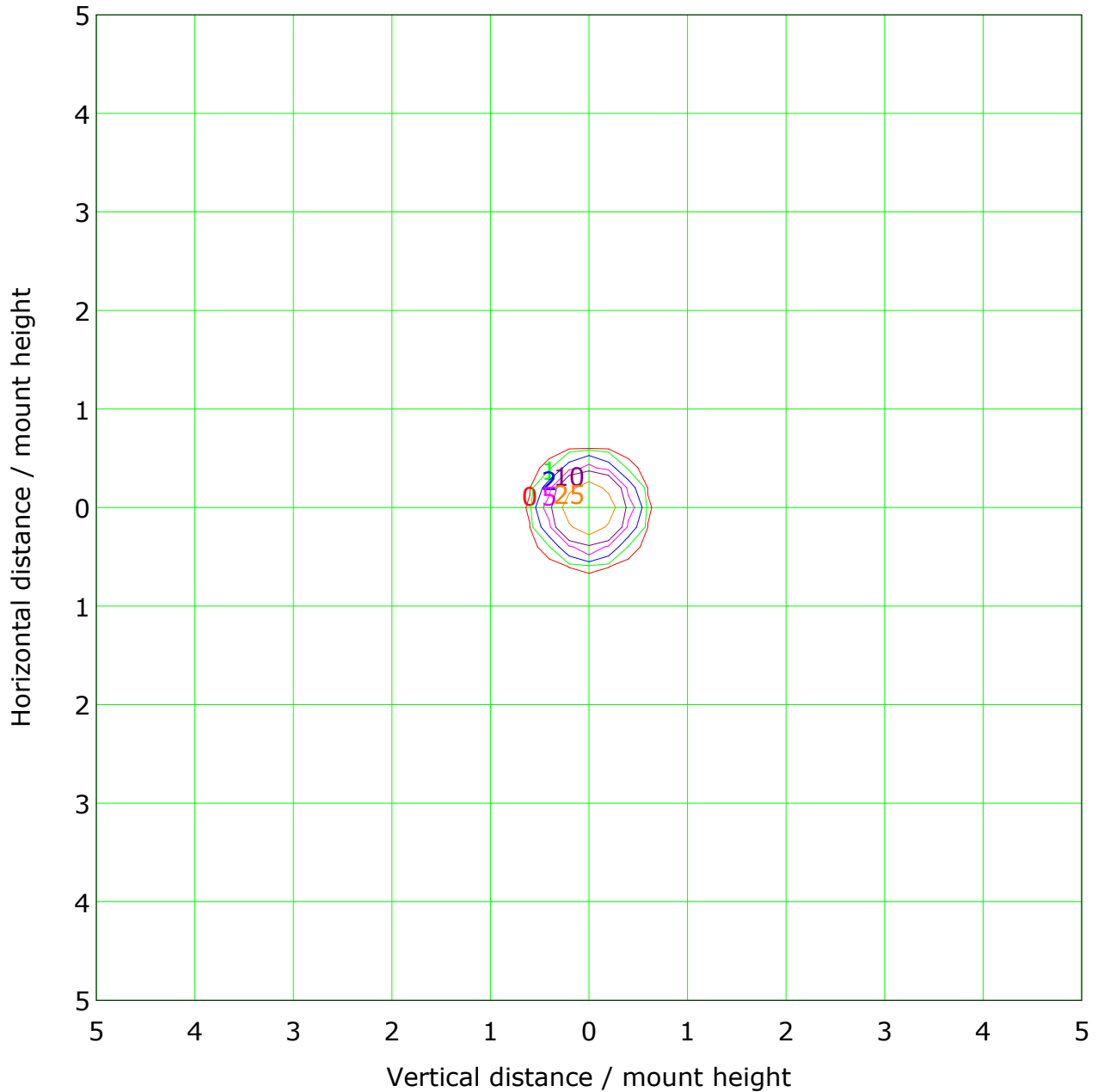
Test Device: CHL-6E

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

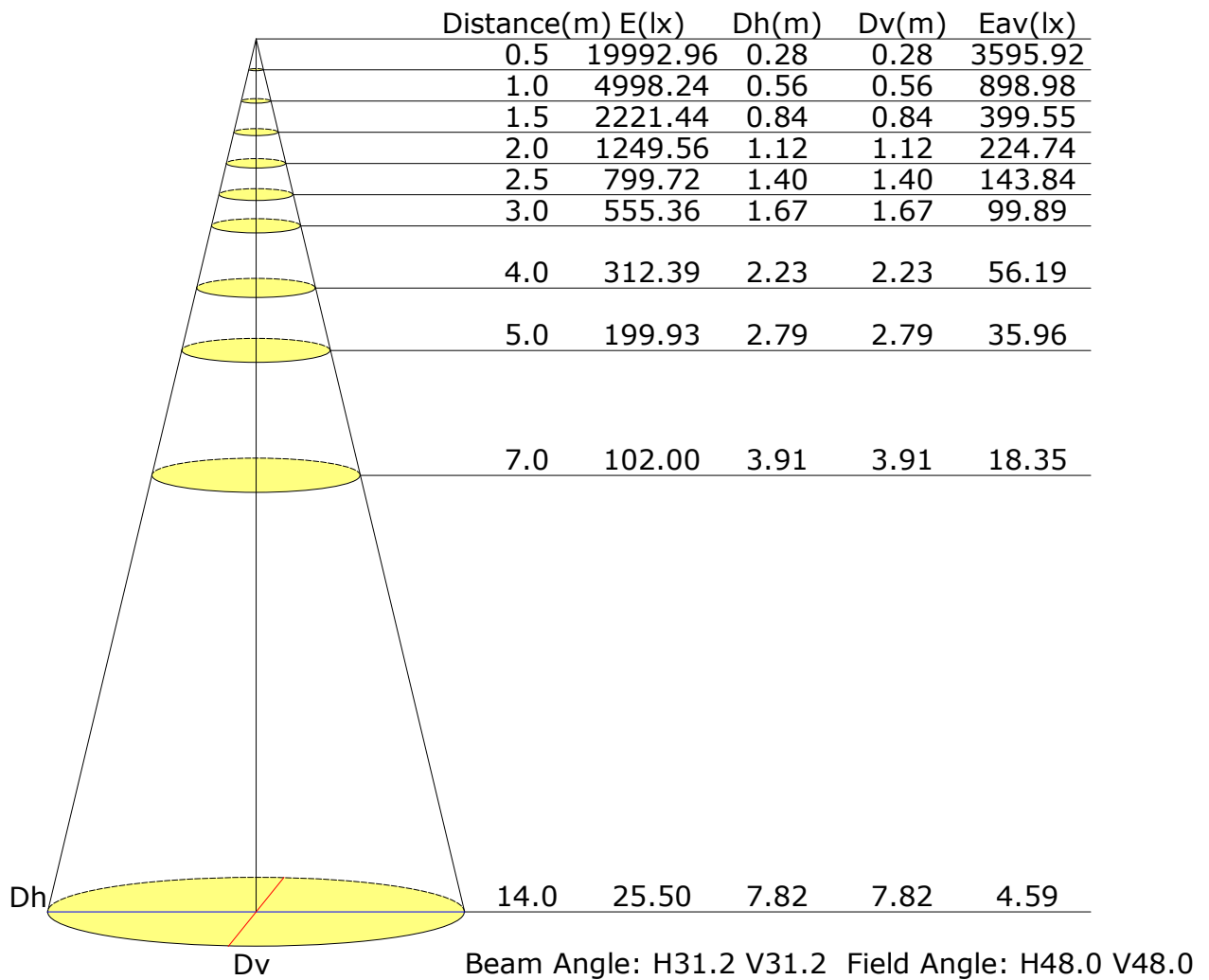
Test Device: CHL-6E

Distance: 3.000 m

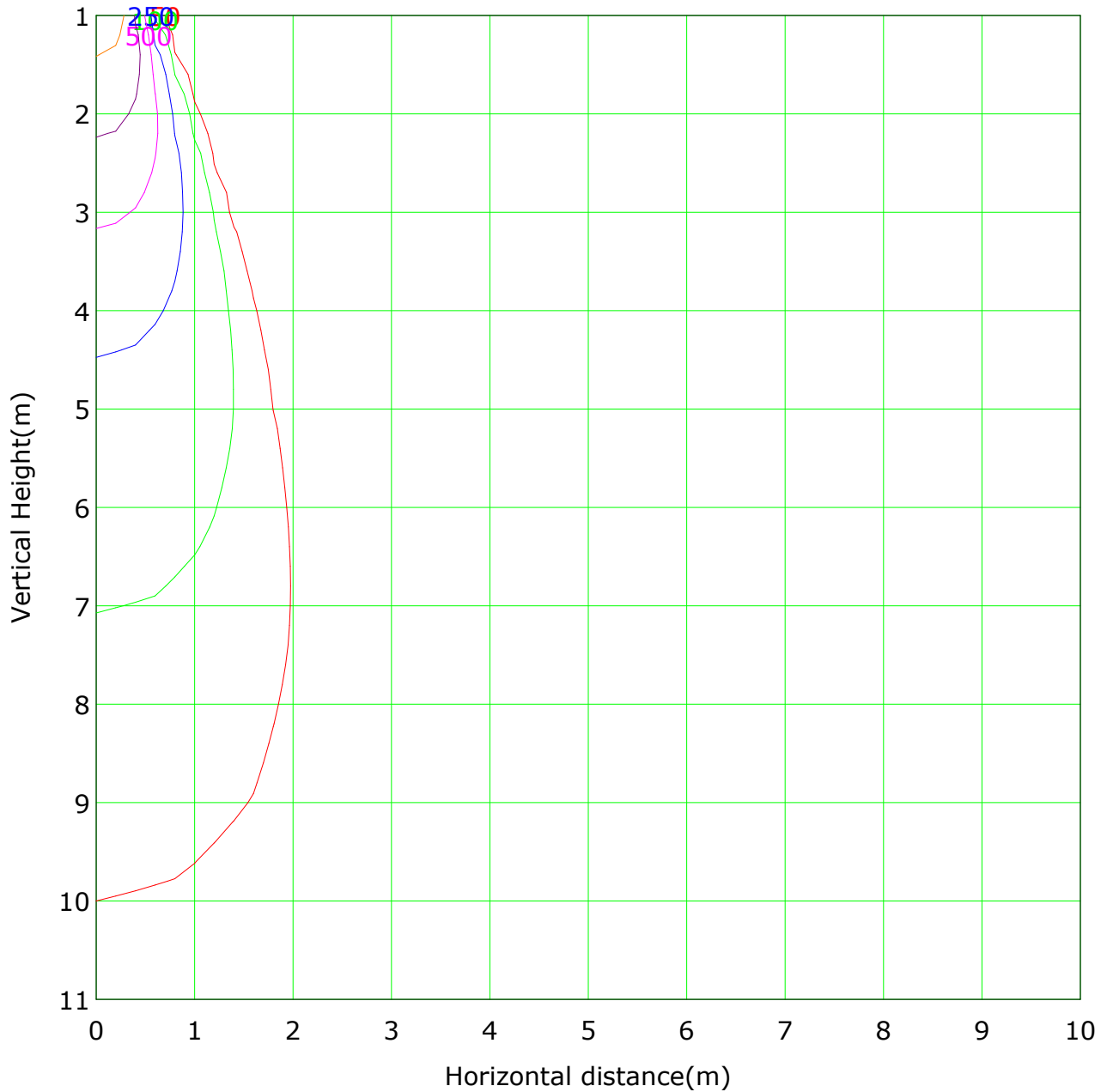
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 4998

(1%): 50 lx	(2%): 100 lx
(5%): 250 lx	(10%): 500 lx
(20%): 1000 lx	(50%): 2499 lx
(100%): 4998 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

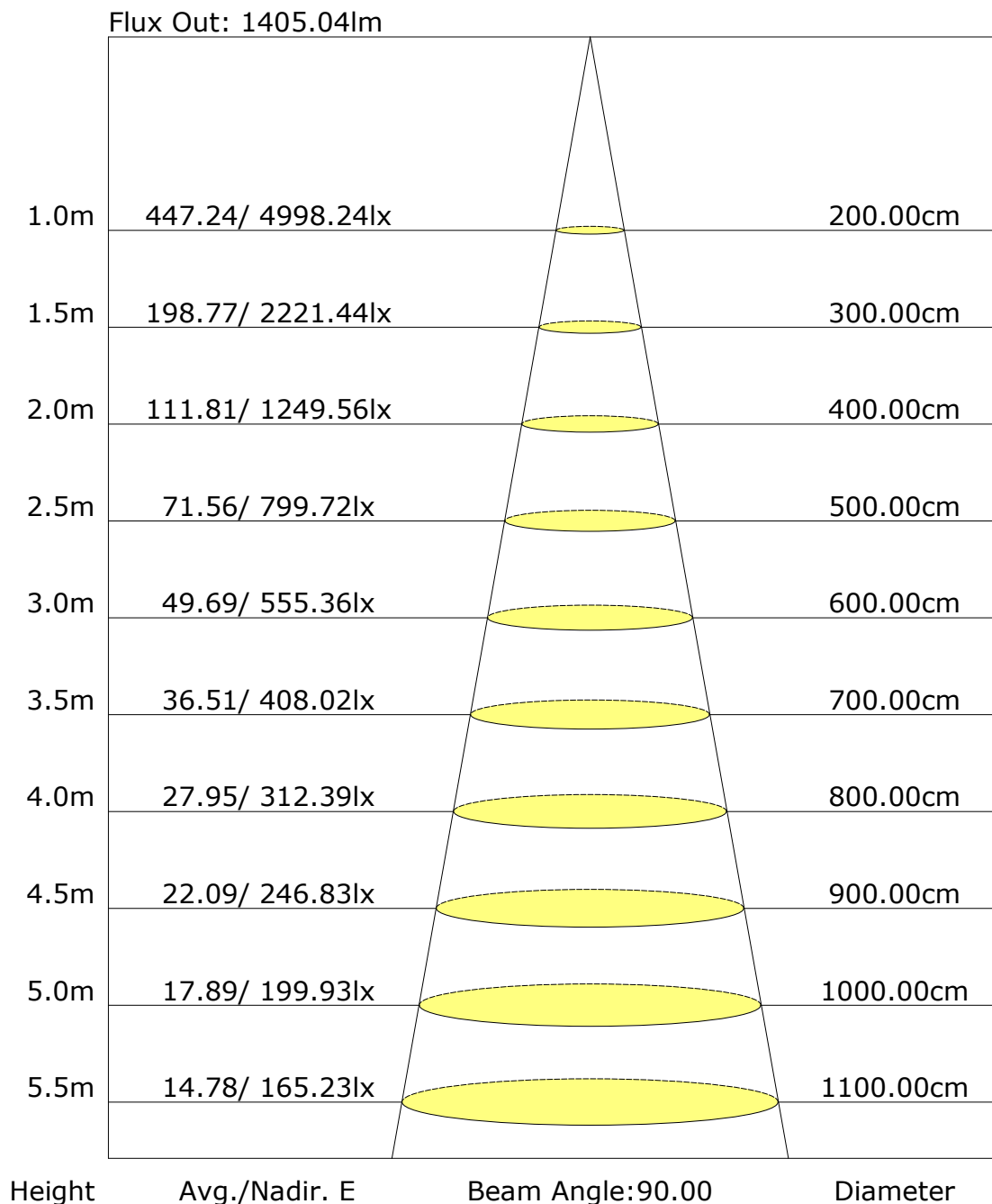
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



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Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Zonal Lumen

[illegible]

Inspector:

Candlepower Table

Unit: cd

[illegible]

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: