

Report No.:56.04512 Recessed Downlight Test Time: 2023-06-30 21:17

Luminaire Property

Luminaire Category: Citizen 1203 3000K CRI90

Luminaire Description: FOS 55 50D

Voltage: 223.9 V

Power: 15.70 W

Lamp Description: Citizen 1204 3000K CRI90

Current: 0.113 A

Power Factor: 0.617

Photometric Results

CIE Class: Direct

Measurement Flux: 1196.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H45.7

Vertical Diffuse Angle(50%): V45.7

Luminaire Efficacy Rating (LER): 76

Max. Intensity: 2094.91 cd

Total Rated Lamp Lumens: 1196.1 lm

Efficiency: 100%

Upward Ratio: 0%

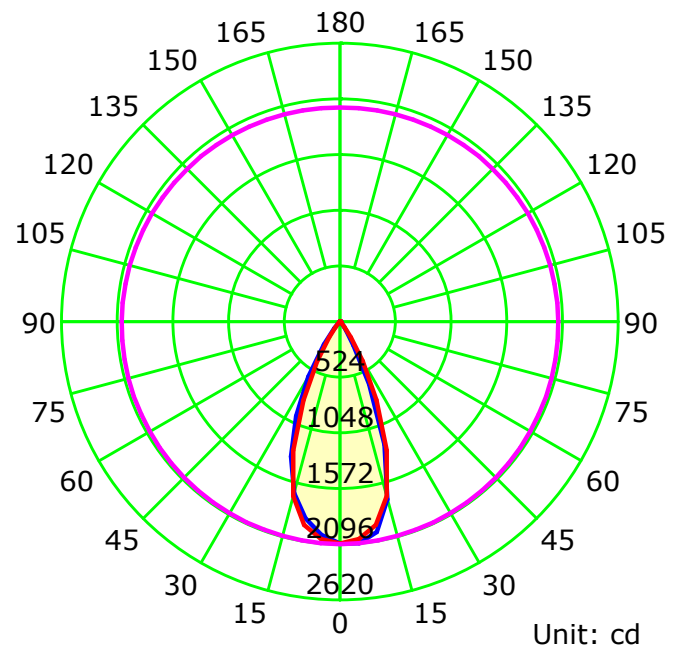
Central Intensity: 2087.75 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

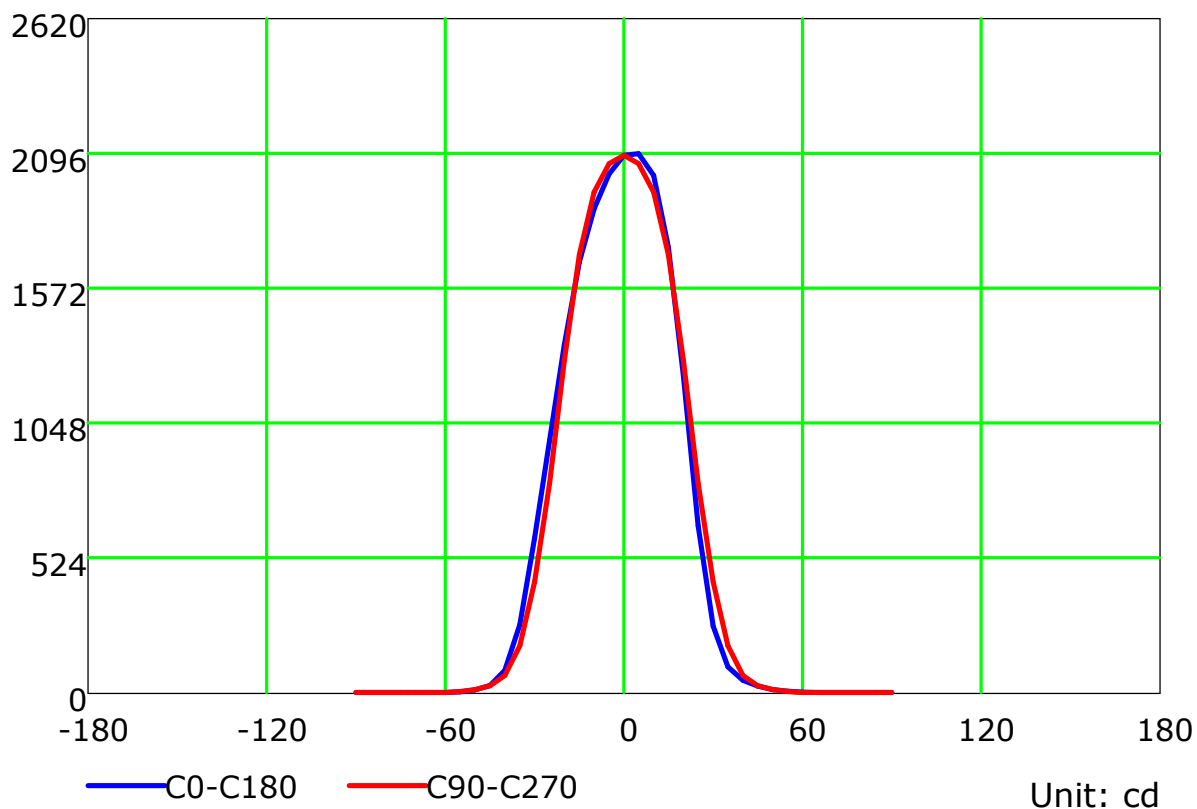
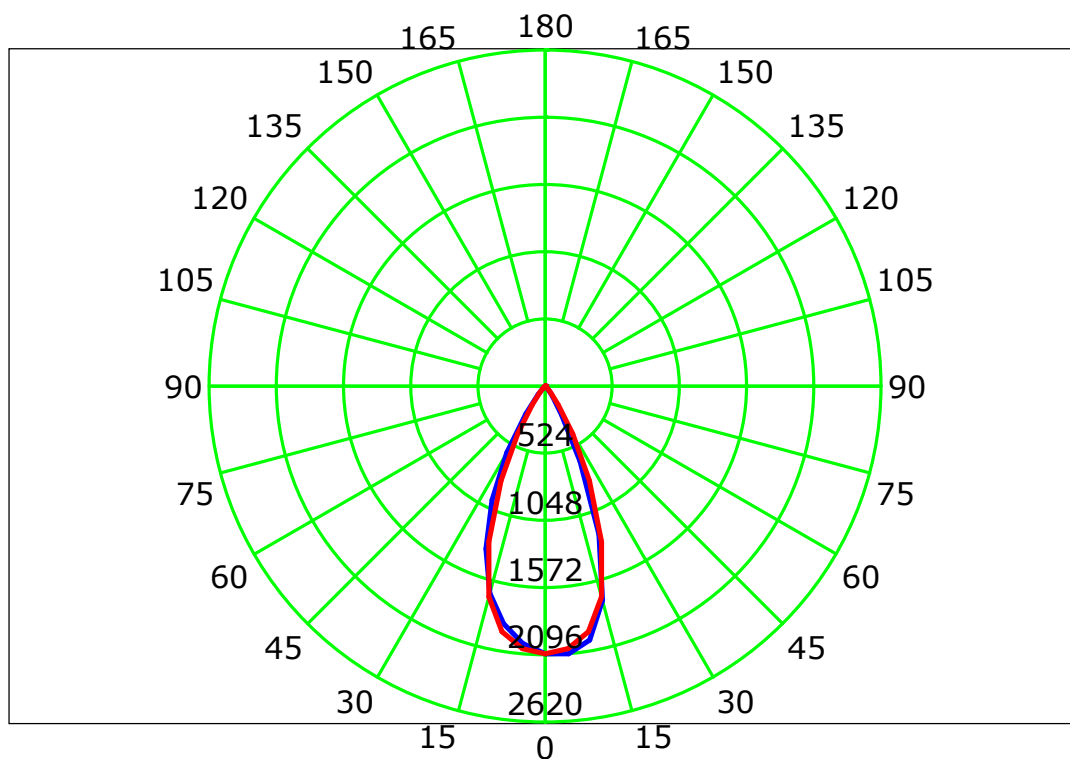
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

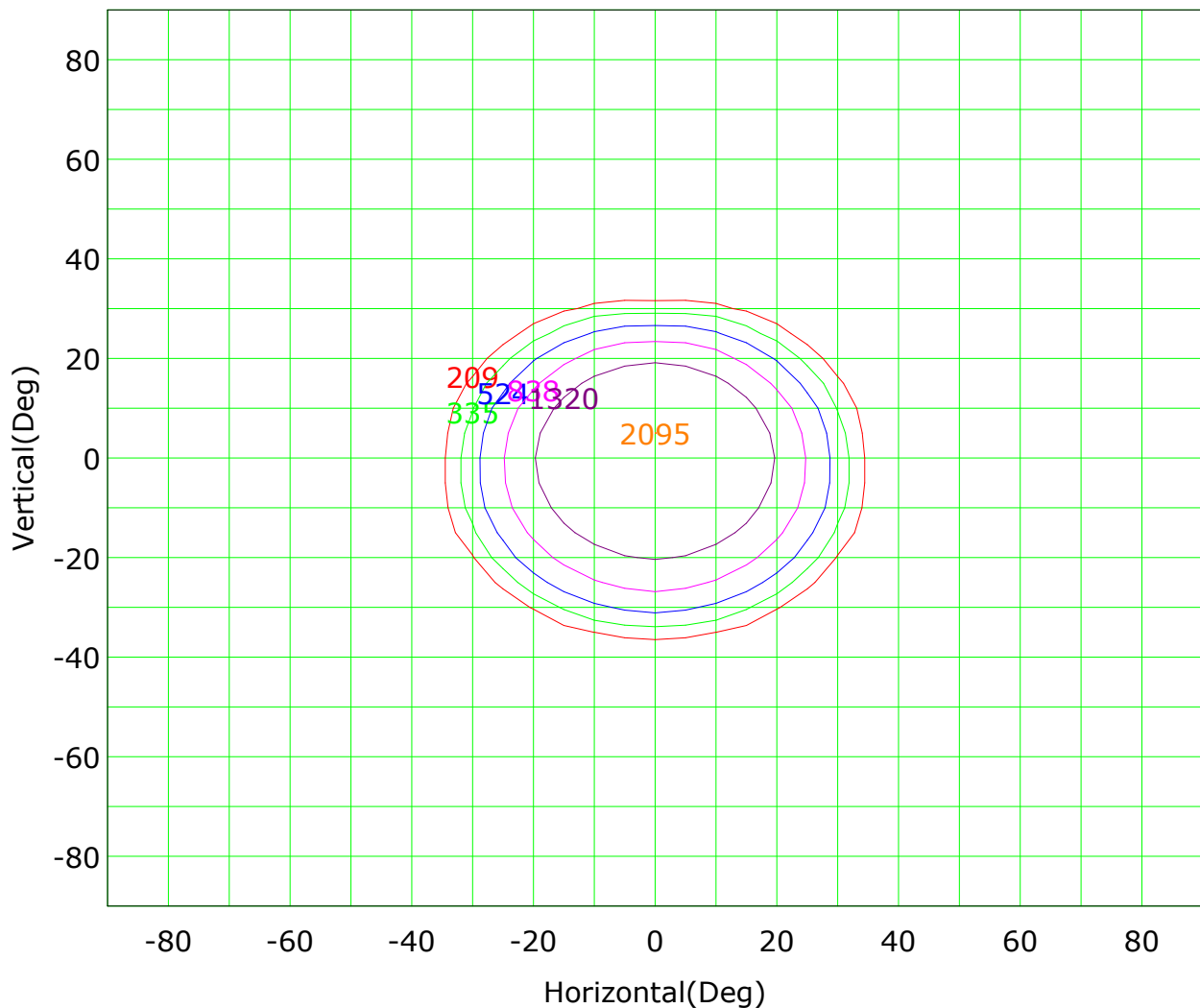
Luminous Intensity Distribution Curve



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%): 2095 cd

(10%): 209 cd	(16%): 335 cd
(25%): 524 cd	(40%): 838 cd
(63%): 1320 cd	(100%): 2095 cd

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

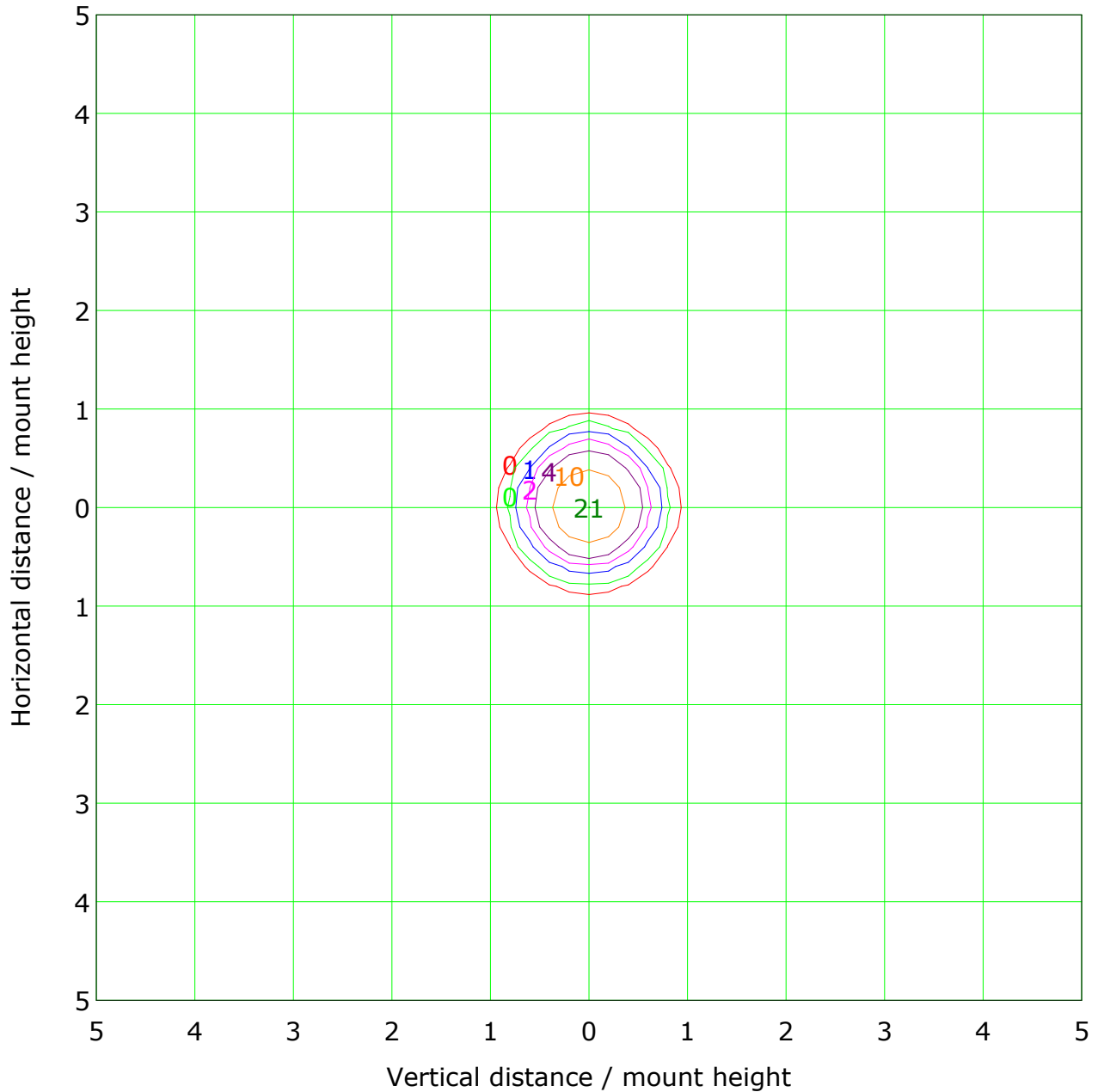
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 21 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	4 lx	— (50%):	10 lx
— (100%):	21 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

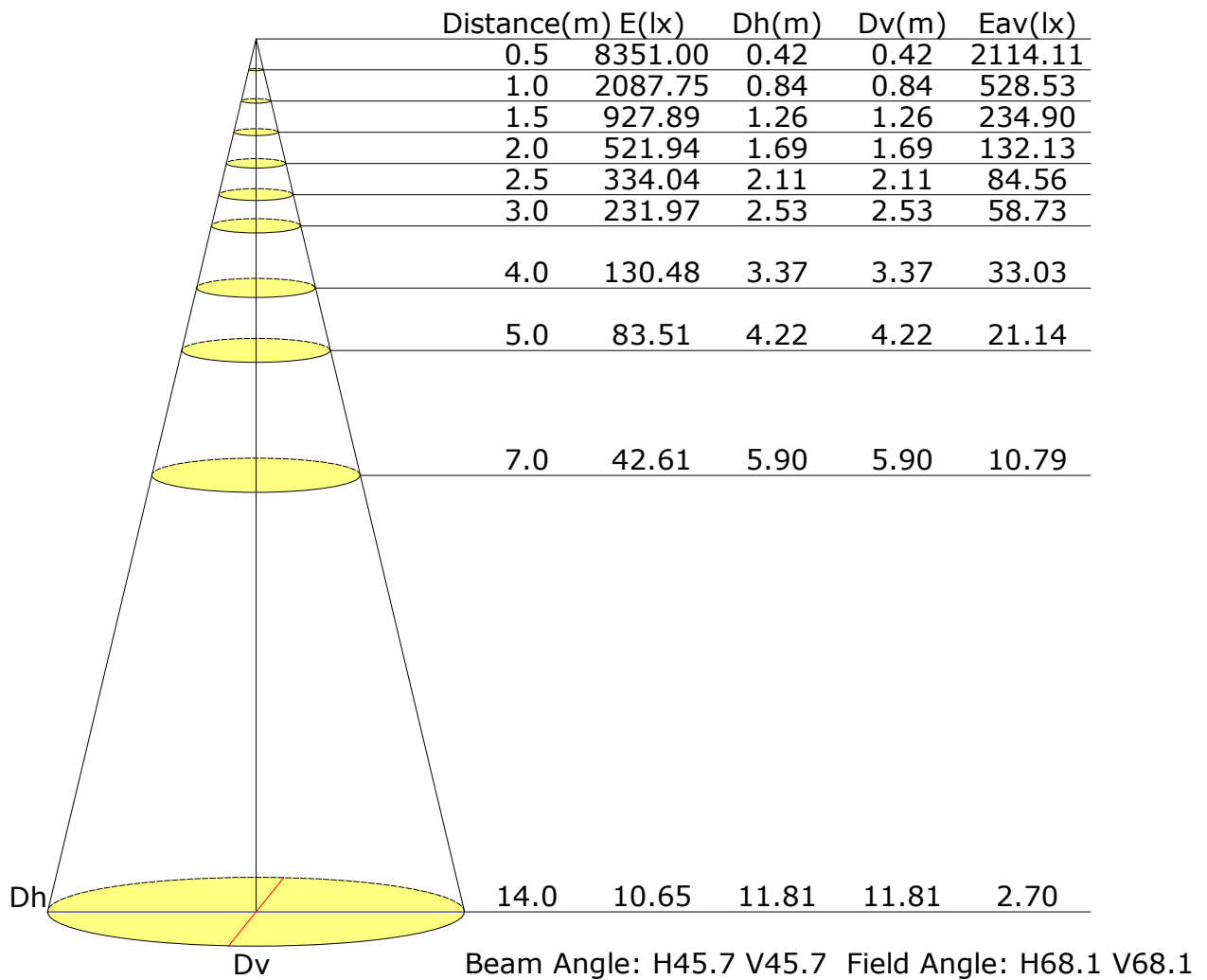
Test Device: CHL-6E

Distance: 3.000 m

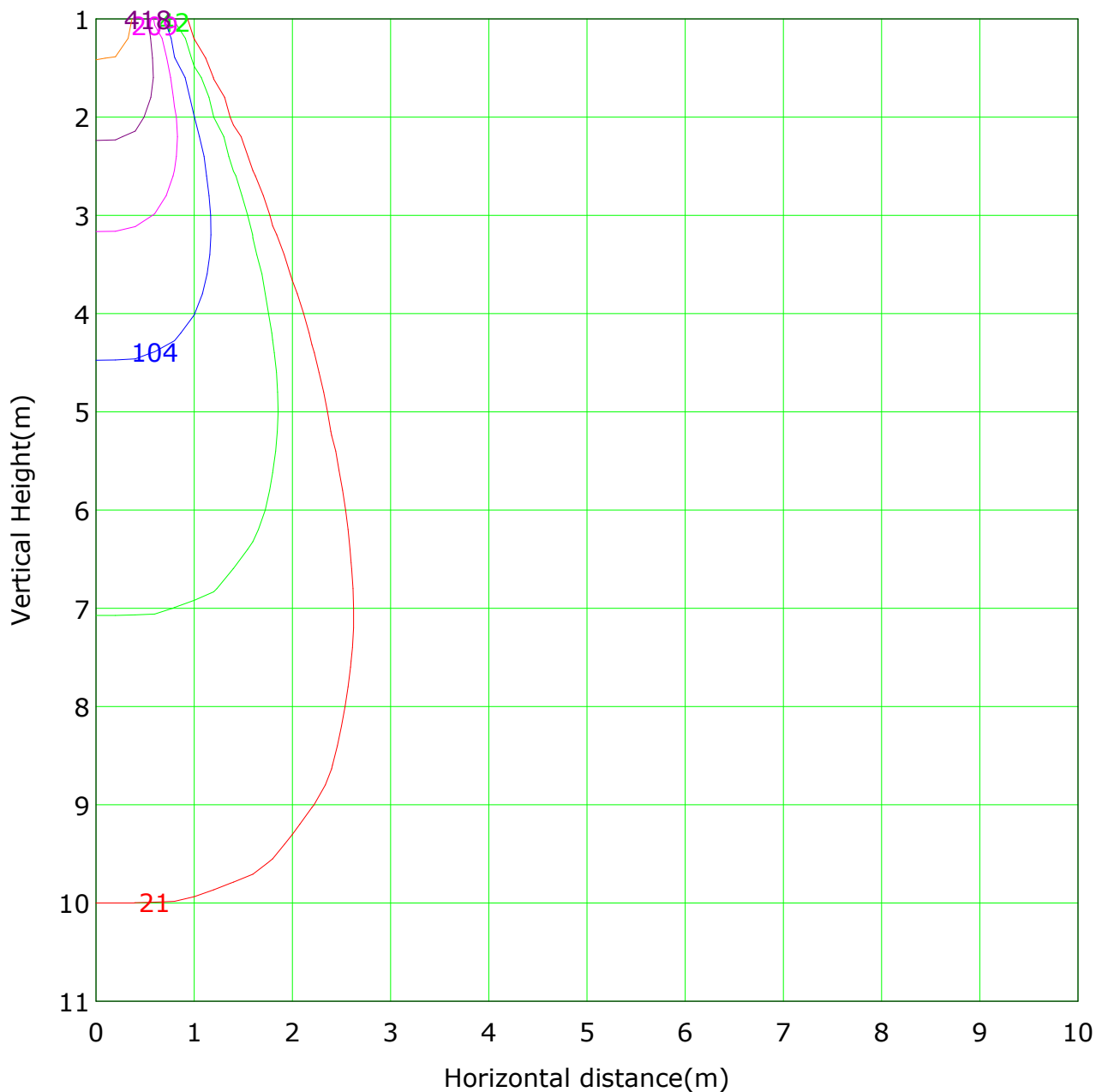
Humidity:

Inspector:

Illuminance at a Distance



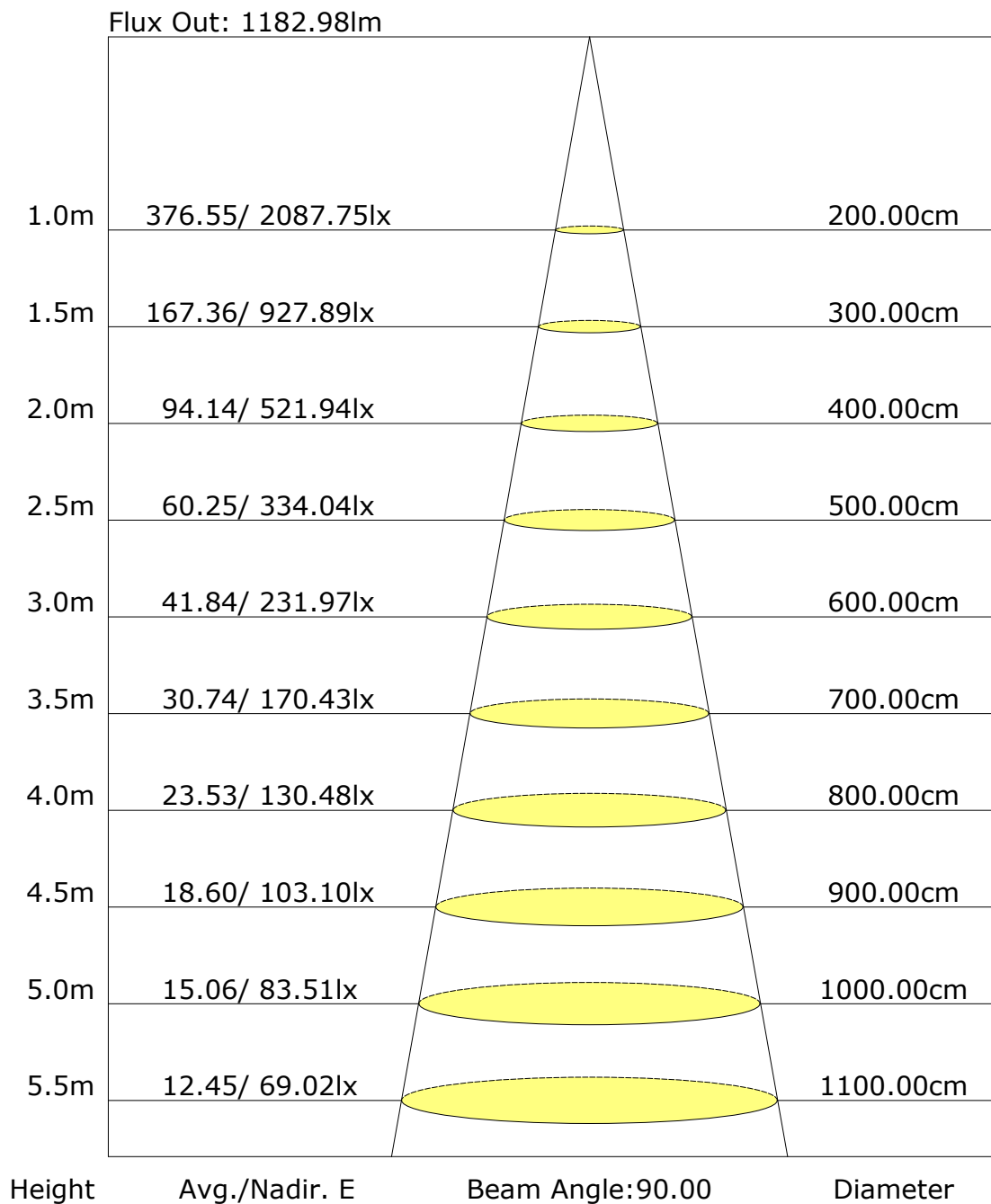
Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 2088

(1%): 21 lx	(2%): 42 lx
(5%): 104 lx	(10%): 209 lx
(20%): 418 lx	(50%): 1044 lx
(100%): 2088 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:

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: