

Report No.: 57.12511 DownLight Test Time: 2023-09-13 17:33

Luminaire Property

Luminaire Category: Bridgelux F90 V10C 3000K CRI90

Voltage: 222.7 V

Current: 0.094 A

Power: 19.90 W

Power Factor: 0.954

Photometric Results

CIE Class: Direct

Measurement Flux: 2388.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.5

Vertical Diffuse Angle(50%): V24.5

Luminaire Efficacy Rating (LER): 120

Max. Intensity: 11524.13 cd

Total Rated Lamp Lumens: 2388.9 lm

Efficiency: 100%

Upward Ratio: 0%

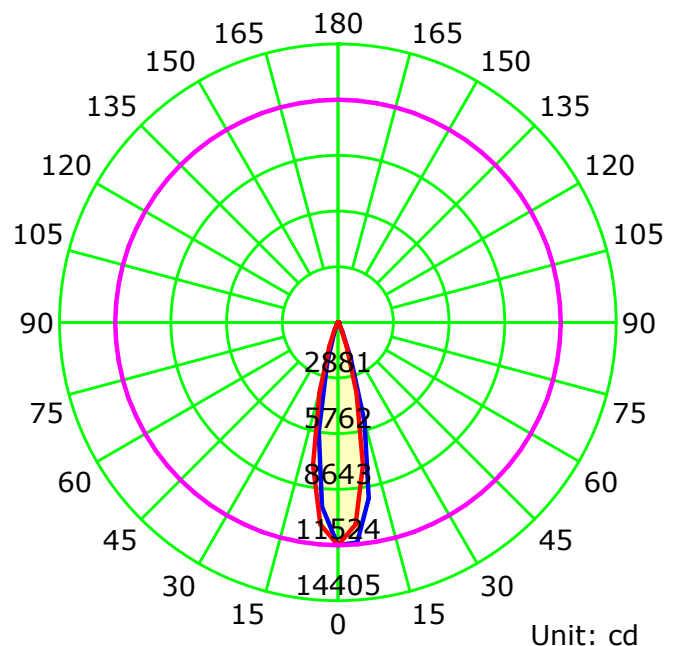
Central Intensity: 11524.12 cd

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

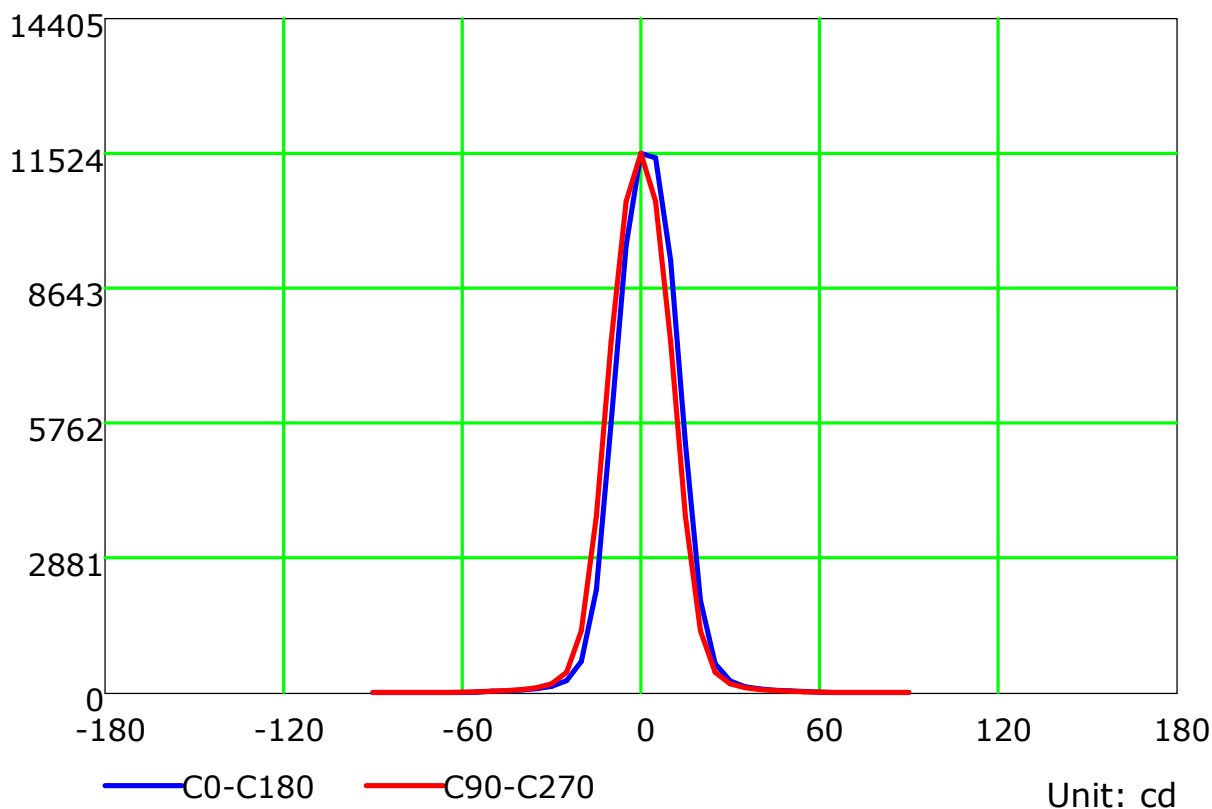
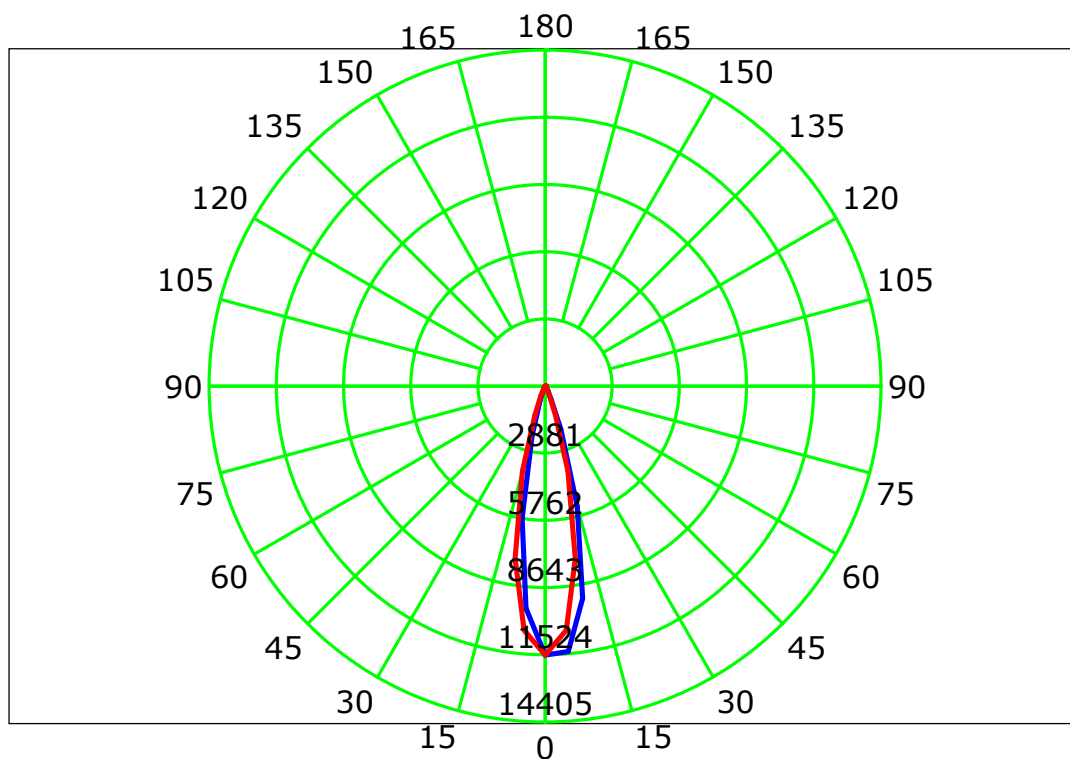
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

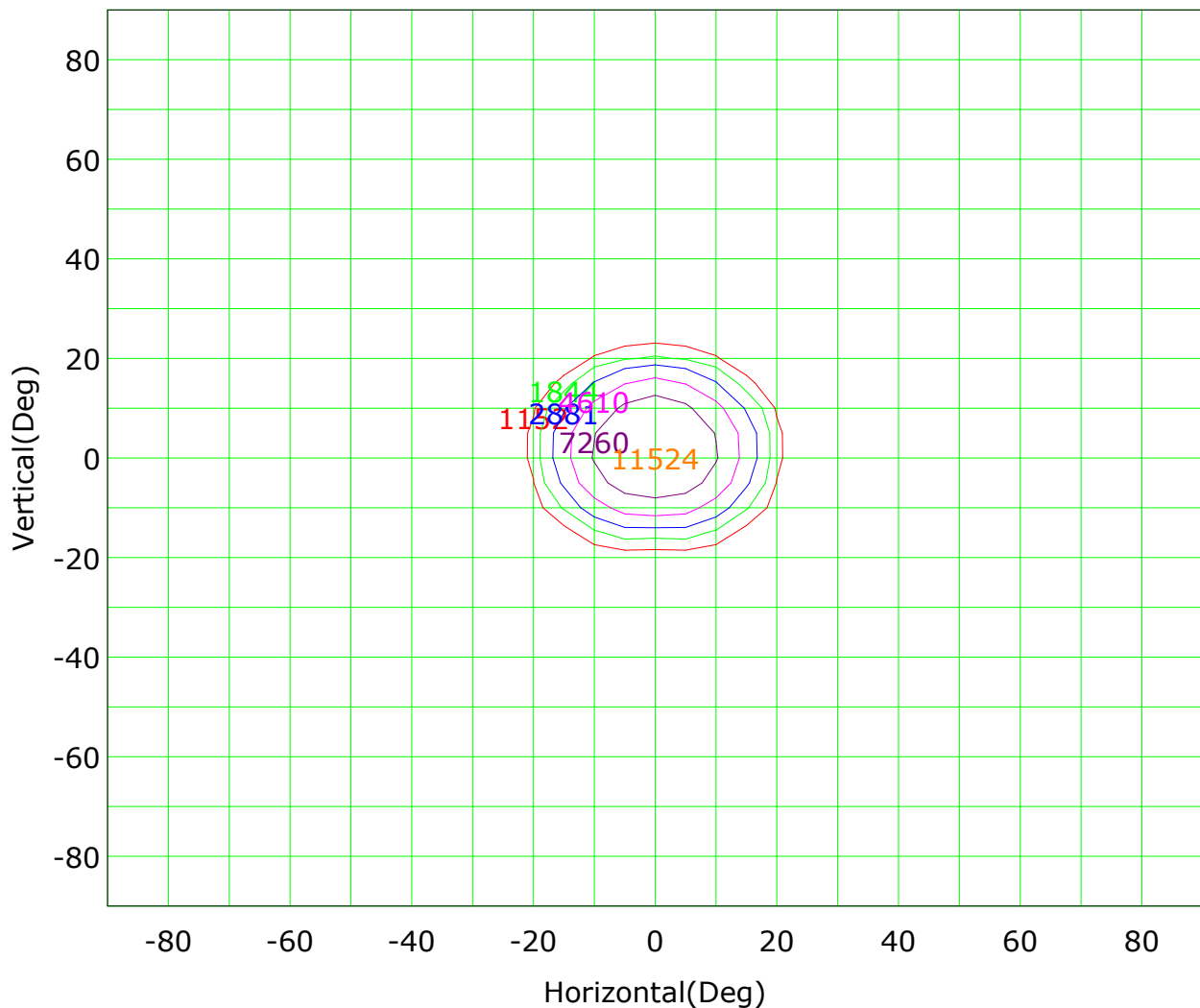


Unit: cd

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:

Isocandela (rectangle)



Imax (100%): 11524 cd

(10%): 1152 cd	(16%): 1844 cd
(25%): 2881 cd	(40%): 4610 cd
(63%): 7260 cd	(100%): 11524 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

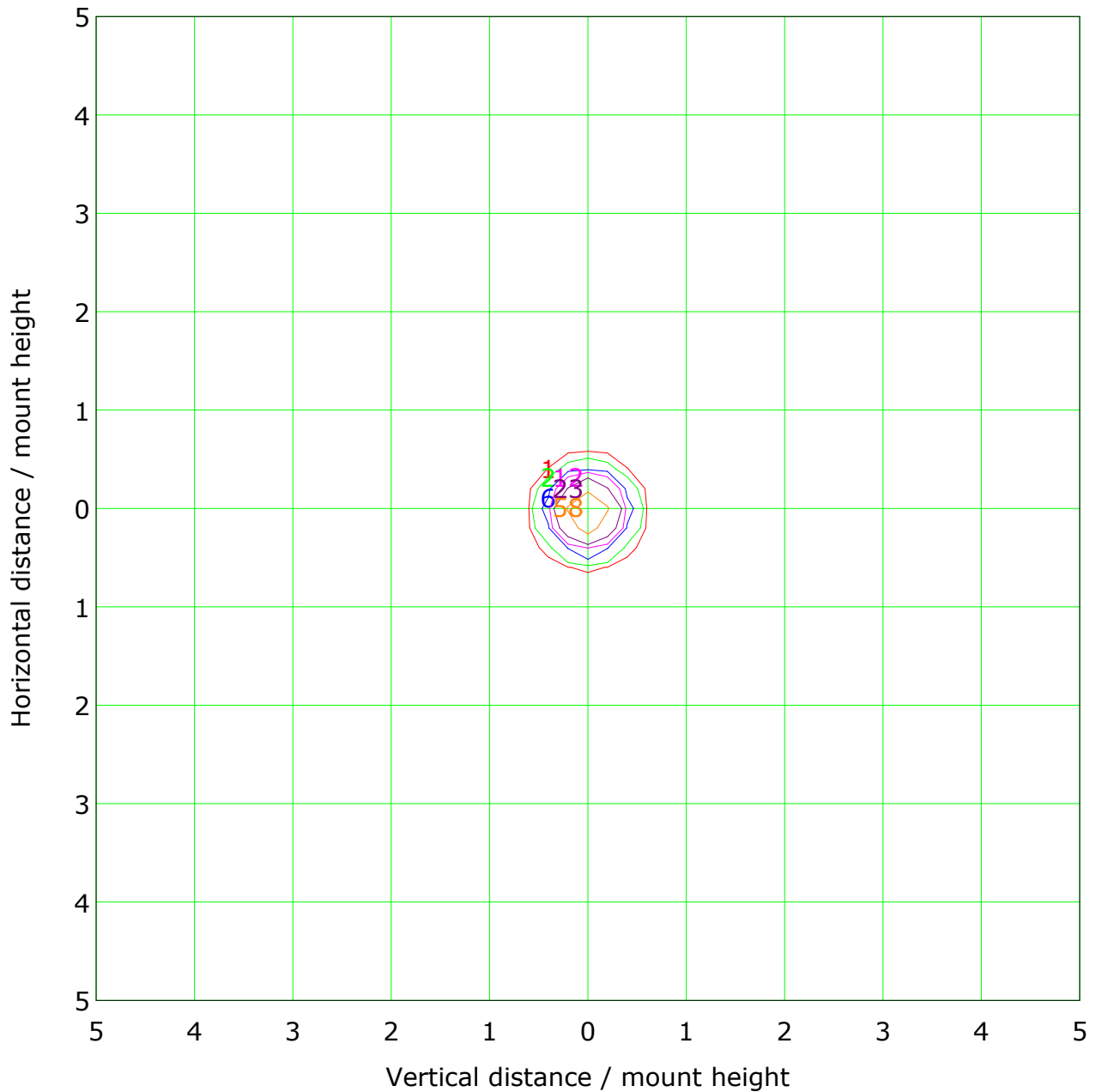
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

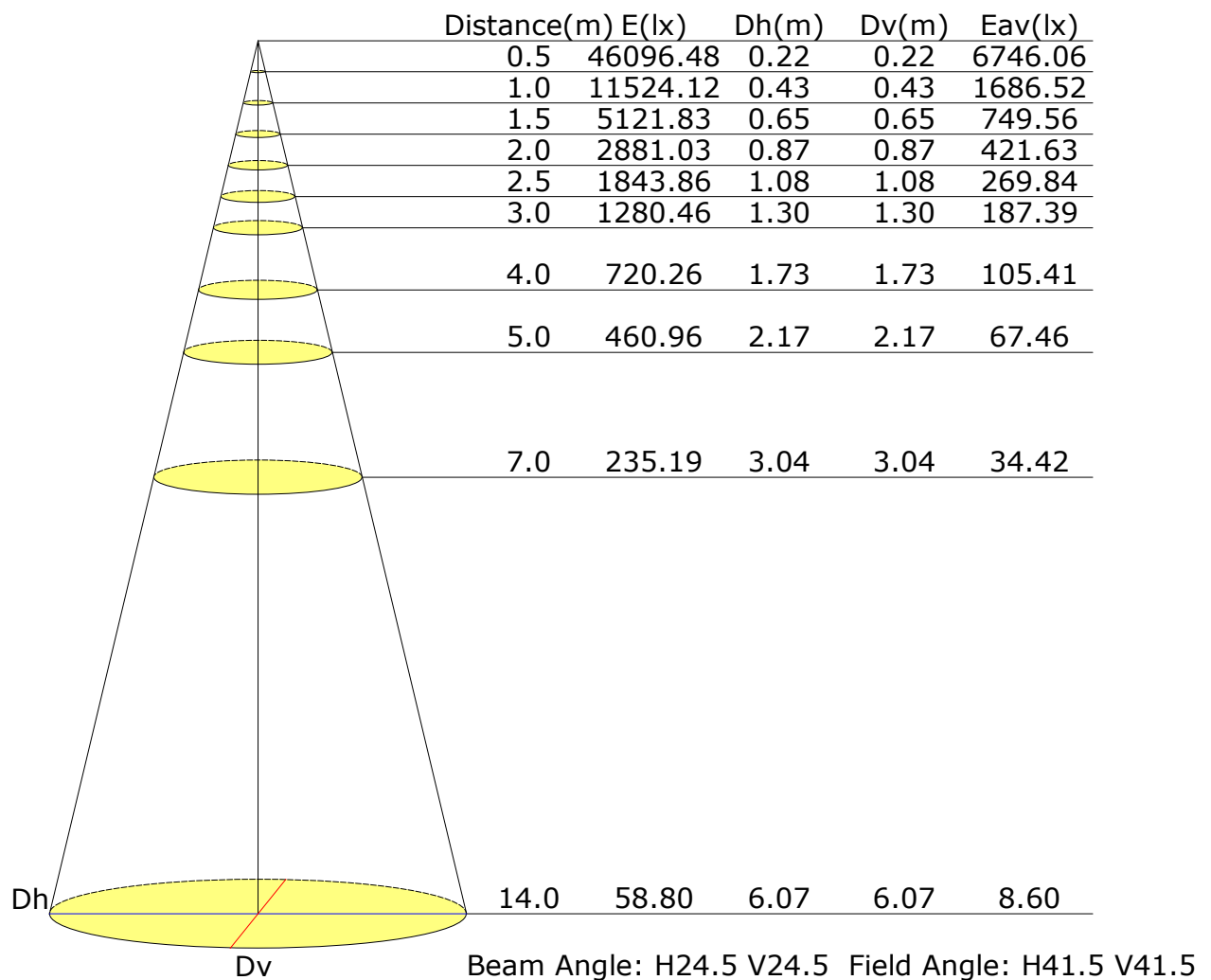


Mounting Height: 10m		Max Lux(100%): 115 lx	
— (1%):	1 lx	— (2%):	2 lx
— (5%):	6 lx	— (10%):	12 lx
— (20%):	23 lx	— (50%):	58 lx
— (100%):	115 lx		

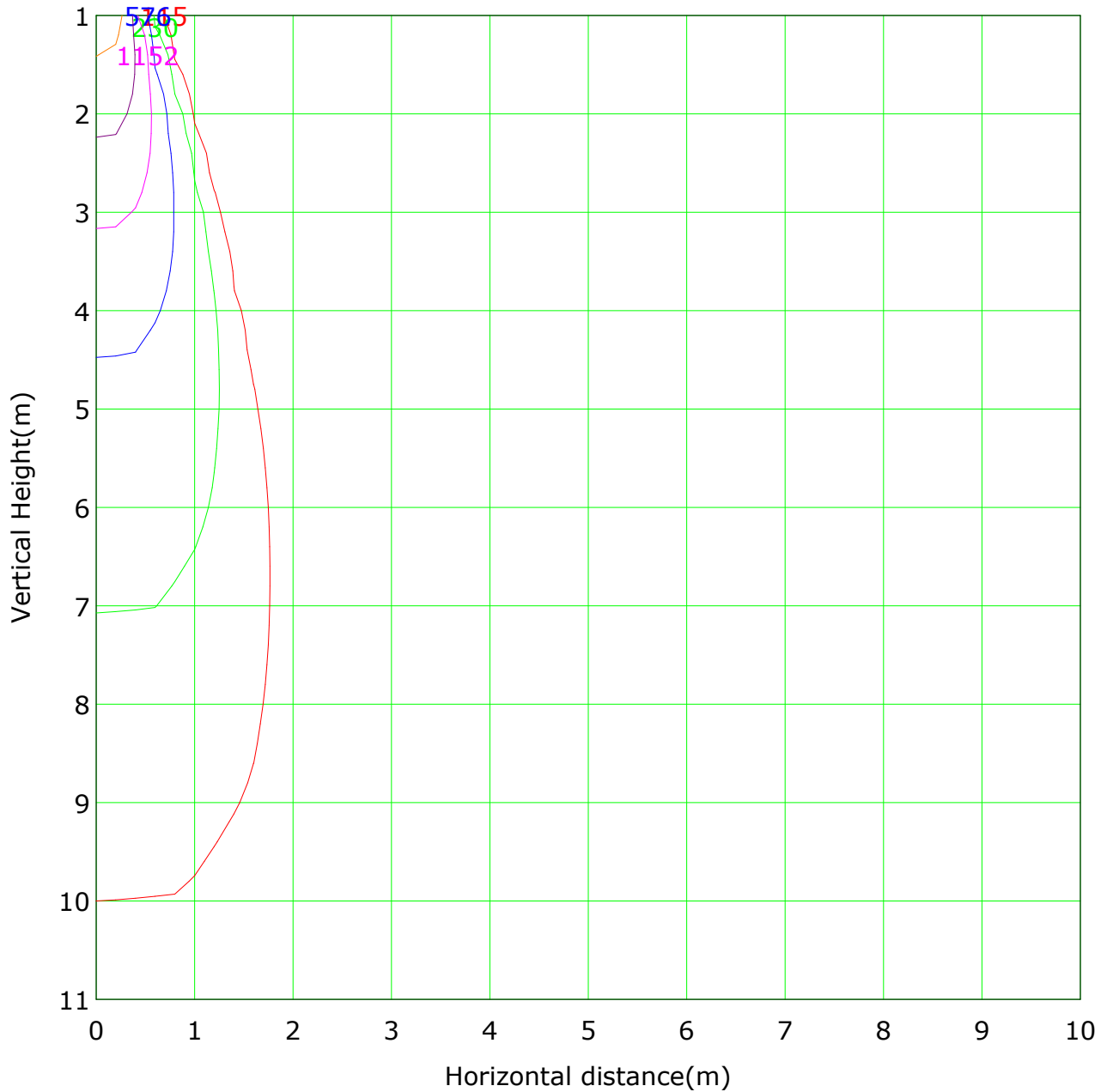
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



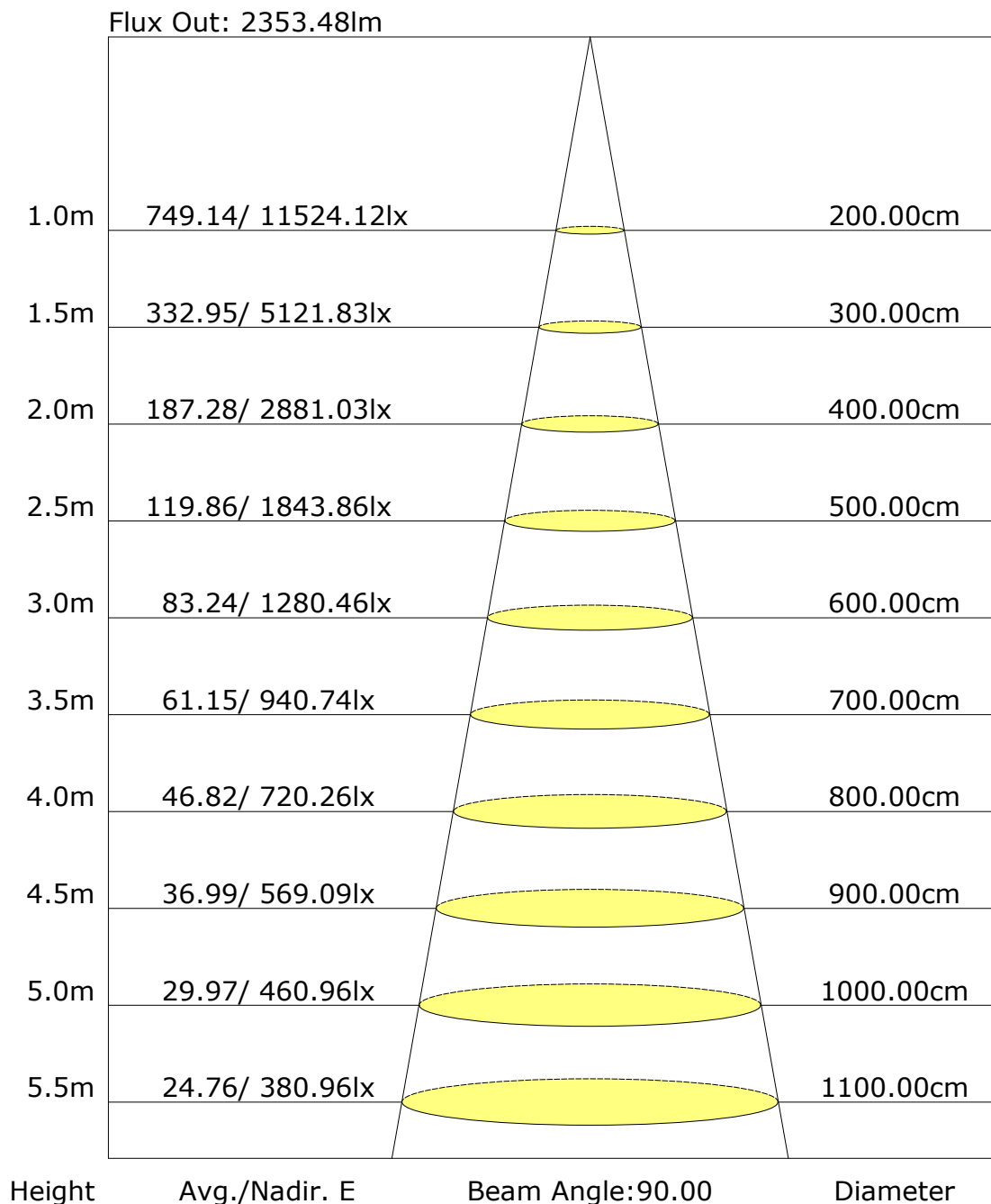
Lowest(m): 1m Highest(m): 11 Max Lux: 11524

(1%): 115 lx	(2%): 230 lx
(5%): 576 lx	(10%): 1152 lx
(20%): 2305 lx	(50%): 5762 lx
(100%): 11524 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: