

Report No.: 52.09529 UTH Down Light

Test Time: 2023-10-12 18:20

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 226.7 V

Current: 0.111 A

Power: 14.10 W

Power Factor: 0.560

Photometric Results

CIE Class: Direct

Measurement Flux: 1677.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H30.6

Vertical Diffuse Angle(50%): V30.6

Luminaire Efficacy Rating (LER): 119

Max. Intensity: 5772.19 cd

Total Rated Lamp Lumens: 1677.5 lm

Efficiency: 100%

Upward Ratio: 0%

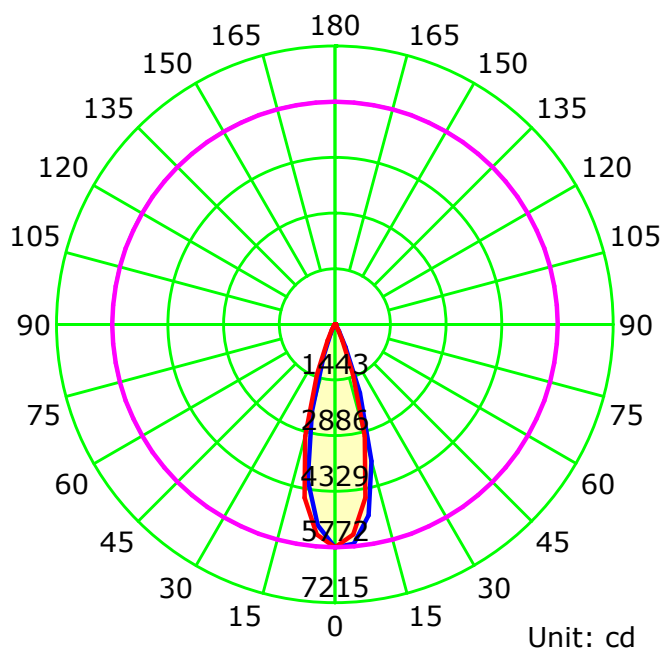
Central Intensity: 5772.19 cd

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

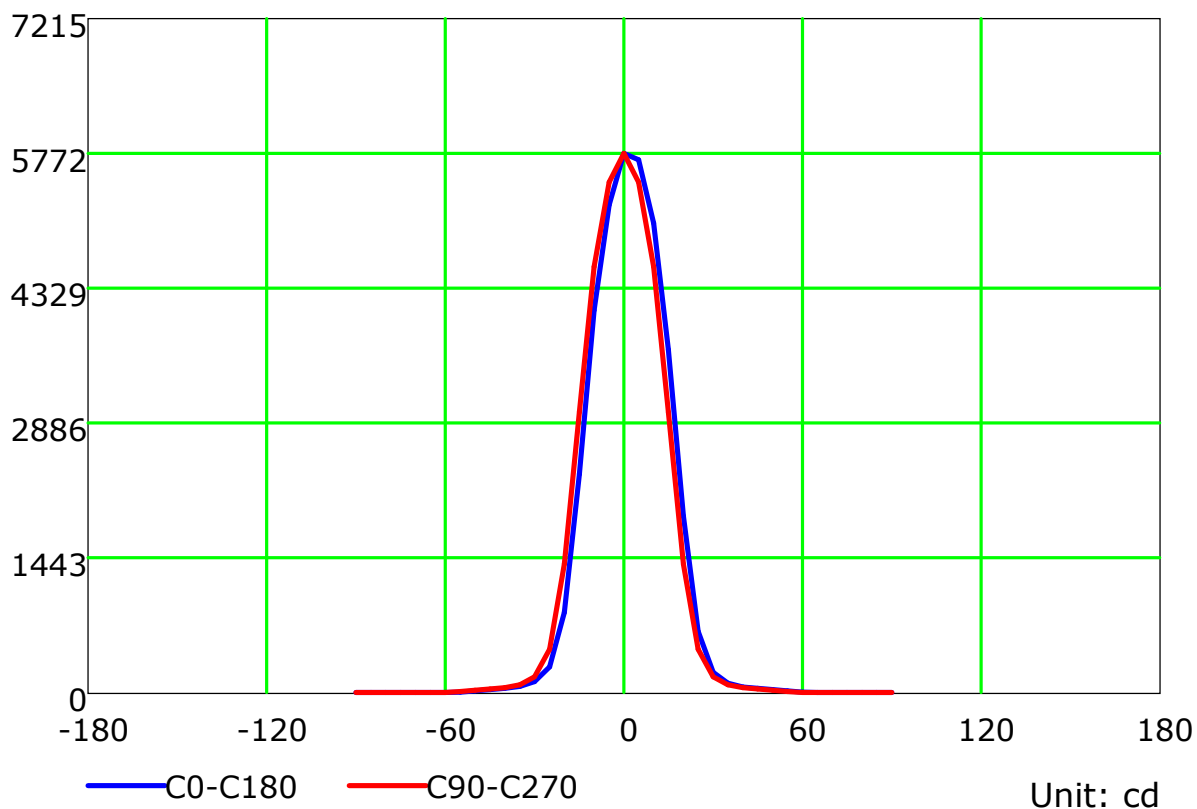
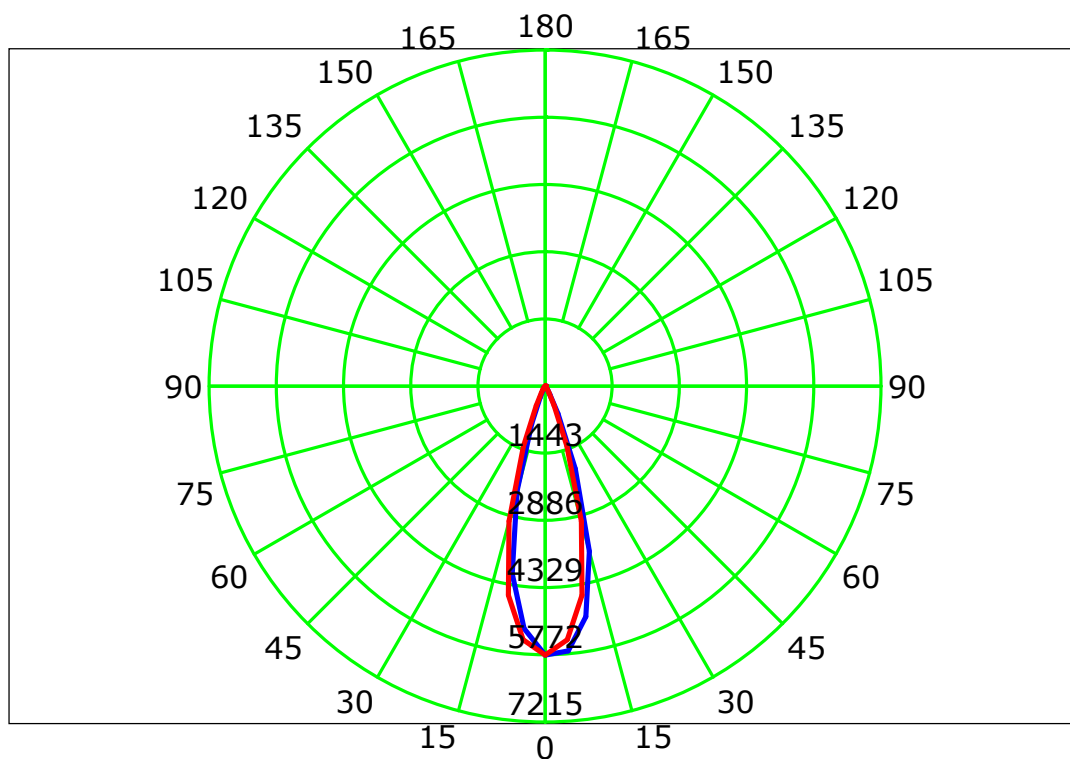
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

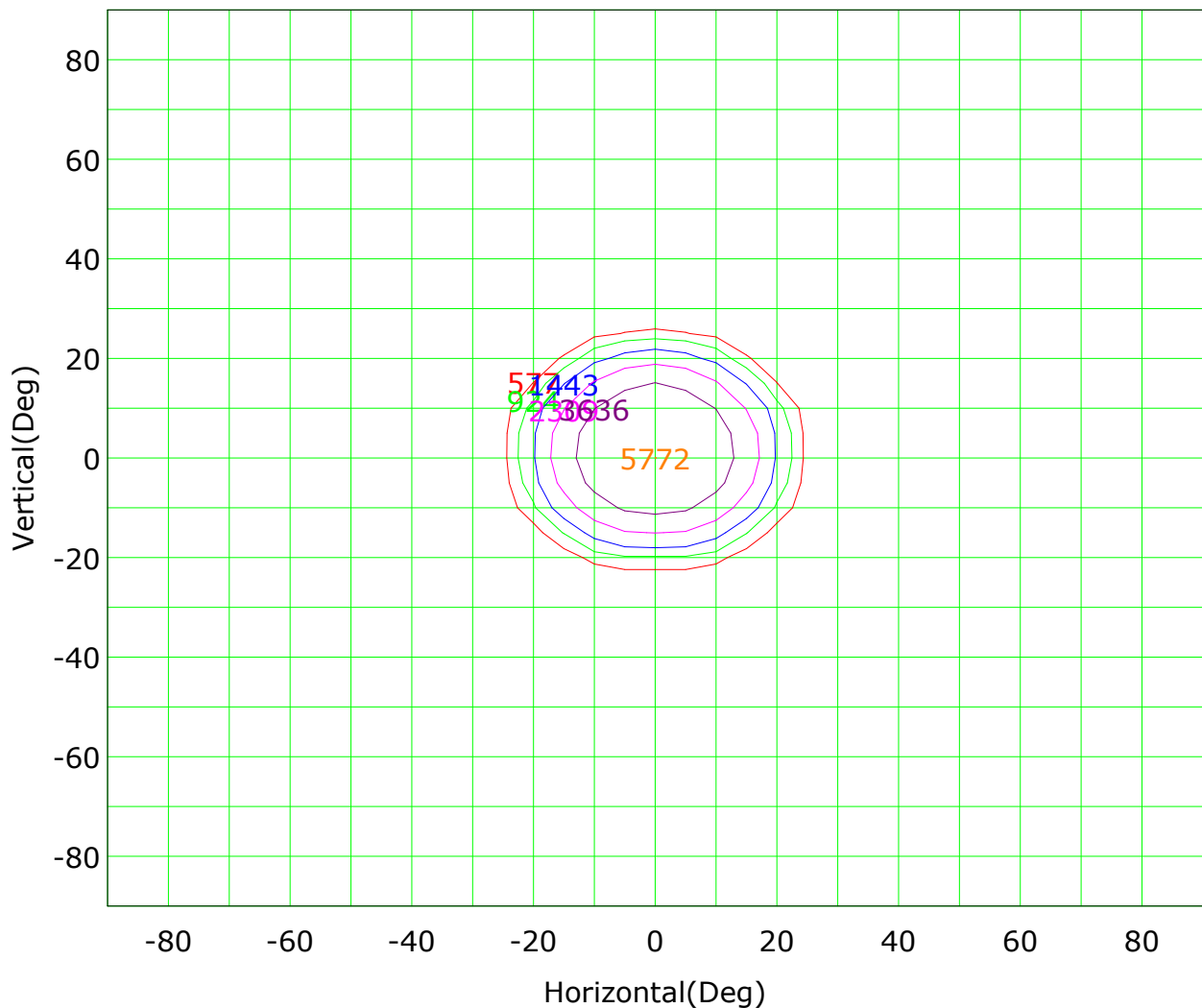


Unit: cd

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%): 5772 cd

(10%): 577 cd	(16%): 924 cd
(25%): 1443 cd	(40%): 2309 cd
(63%): 3636 cd	(100%): 5772 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

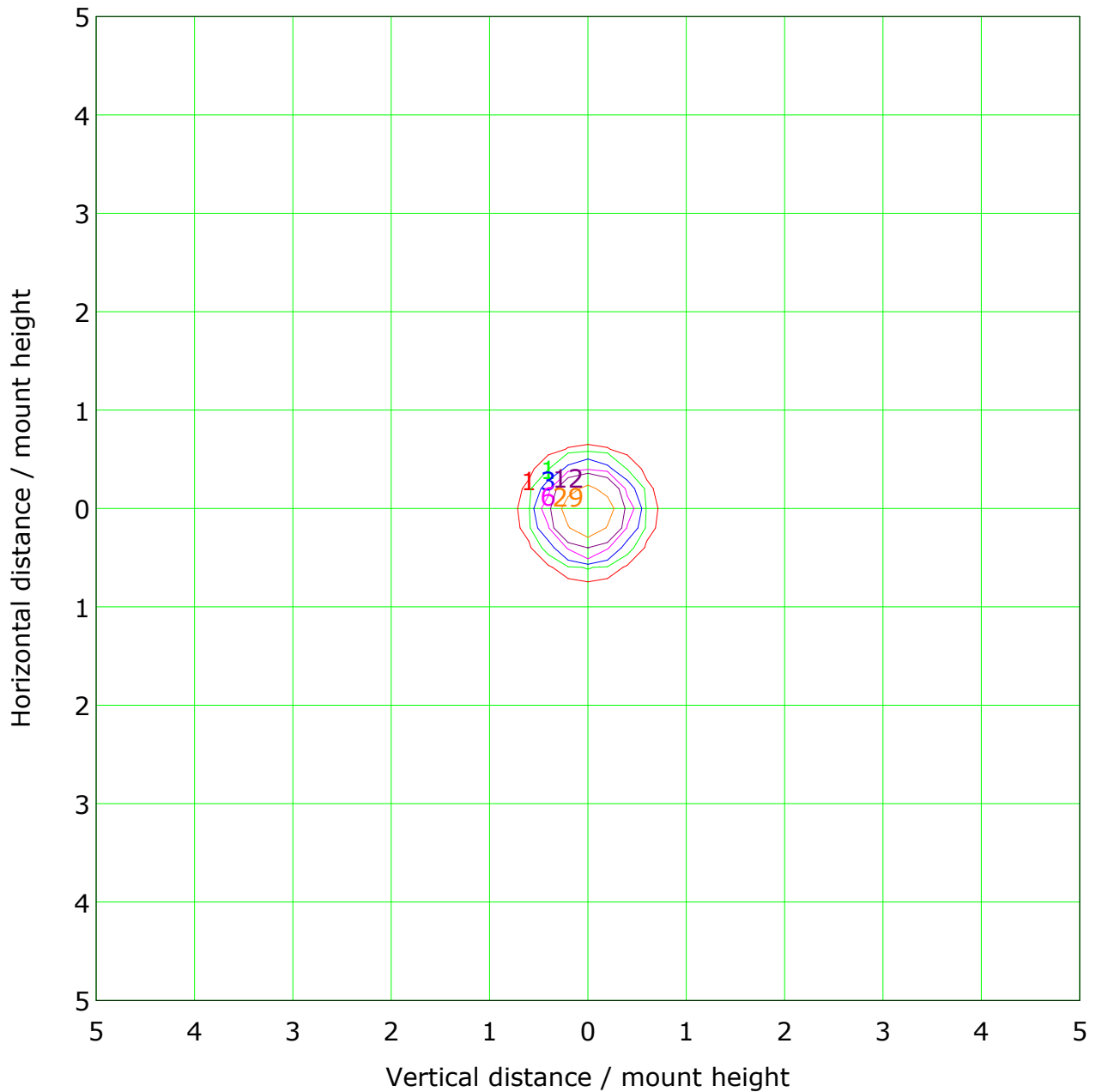
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 58 lx			
— (1%):	1 lx	— (2%):	1 lx
— (5%):	3 lx	— (10%):	6 lx
— (20%):	12 lx	— (50%):	29 lx
— (100%):	58 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

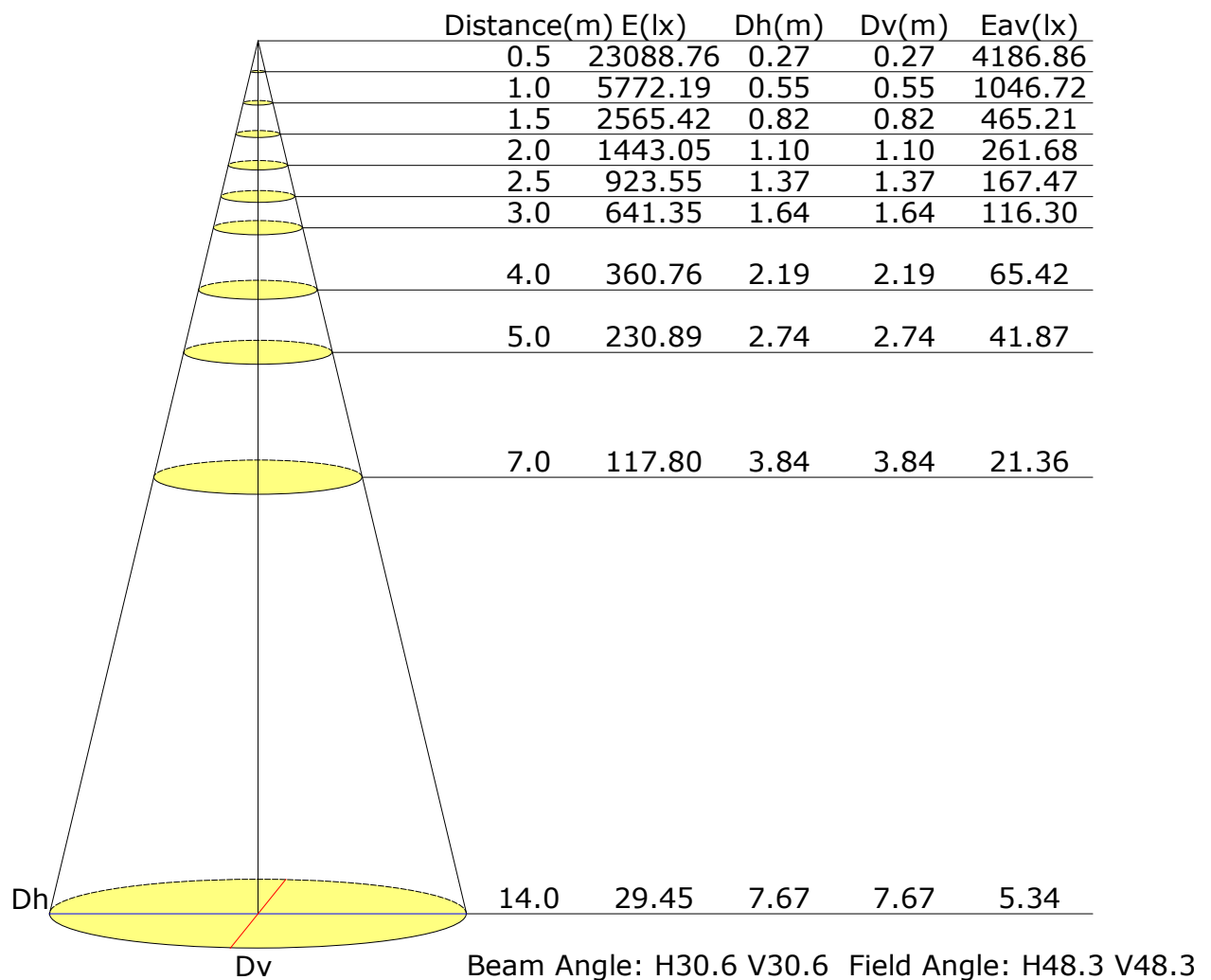
Test Device: CHL-6E

Distance: 3.000 m

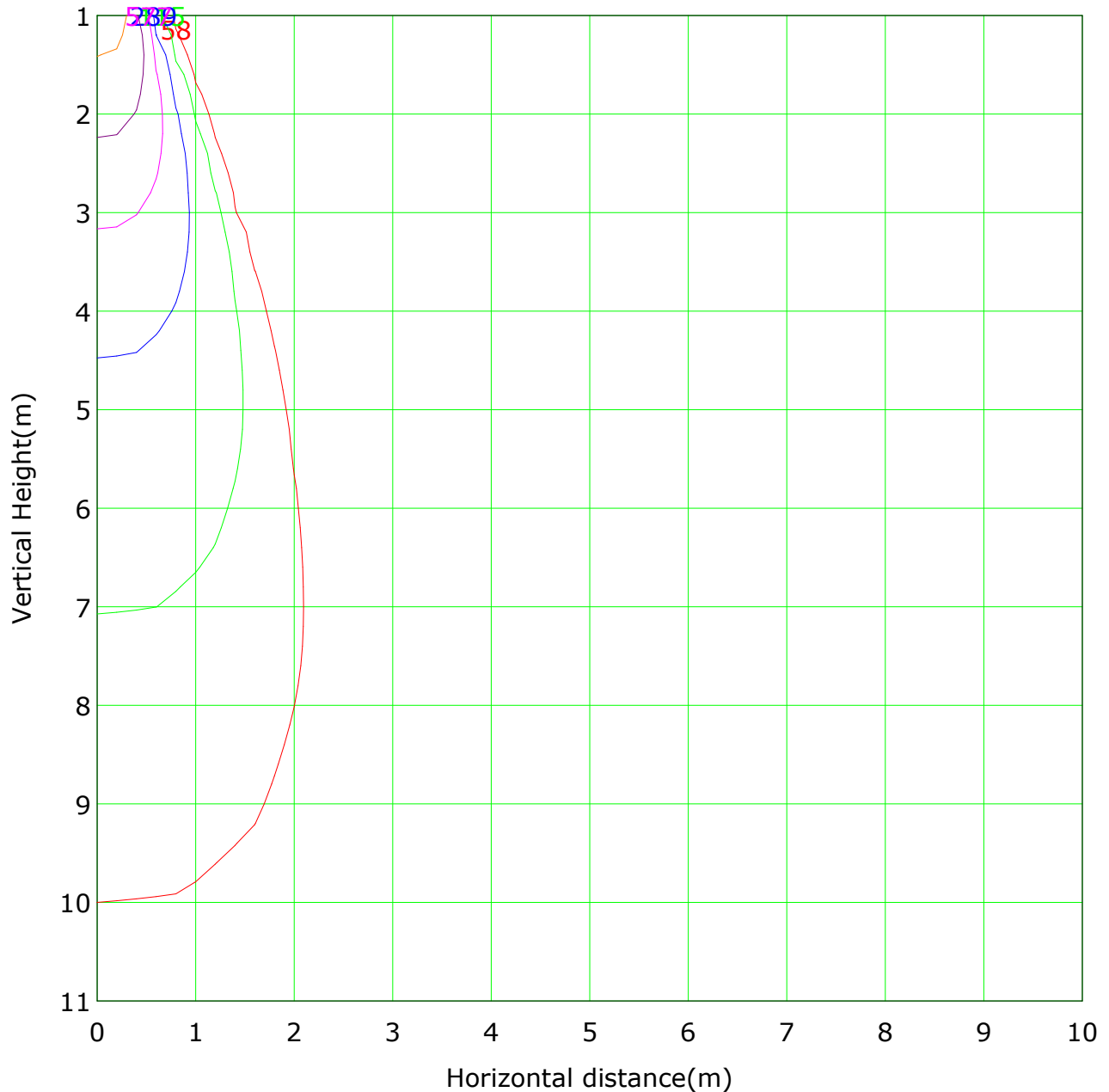
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



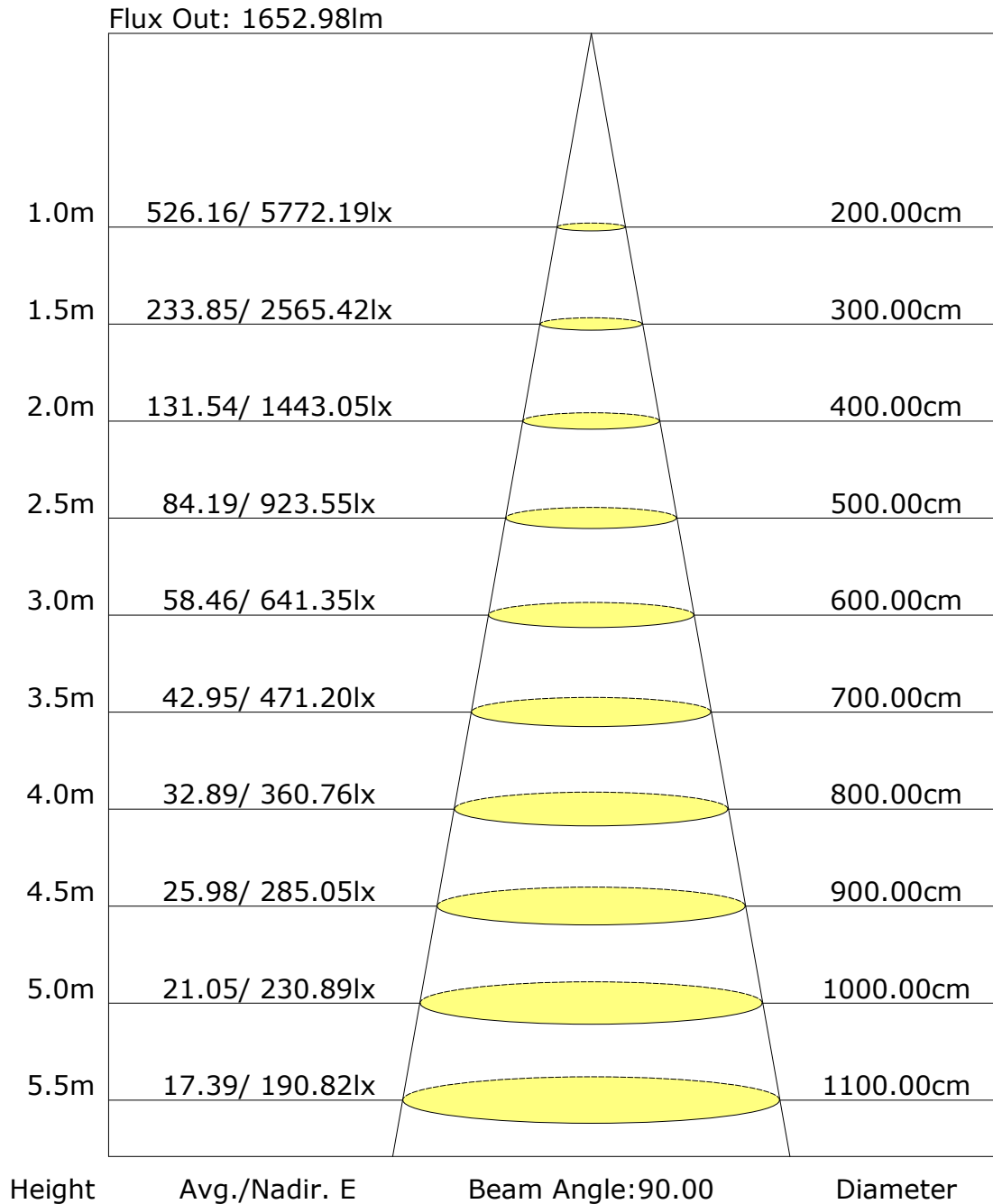
Lowest(m): 1m Highest(m): 11 Max Lux: 5772

(1%): 58 lx	(2%): 115 lx
(5%): 289 lx	(10%): 577 lx
(20%): 1154 lx	(50%): 2886 lx
(100%): 5772 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: