

Report No.: 32.09017 SPECTRUM Tracklight Test Time: 2023-09-13 14:35

Luminaire Property

Luminaire Category: Bridgelux F90 V13C 3000K CRI90

Voltage: 221.8 V

Current: 0.171 A

Power: 36.40 W

Power Factor: 0.959

Photometric Results

CIE Class: Direct

Measurement Flux: 4478.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H38

Vertical Diffuse Angle(50%): V38

Luminaire Efficacy Rating (LER): 123

Max. Intensity: 10899.09 cd

Total Rated Lamp Lumens: 4478.1 lm

Efficiency: 100%

Upward Ratio: 0%

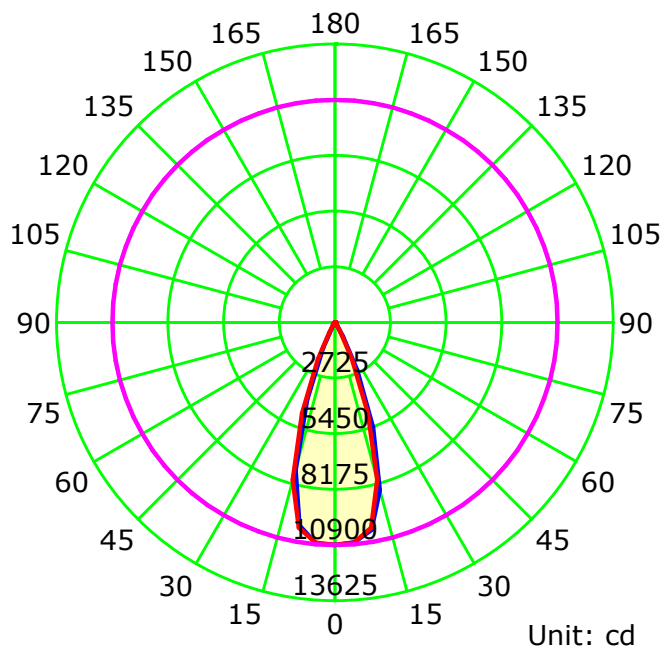
Central Intensity: 10899.08 cd

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

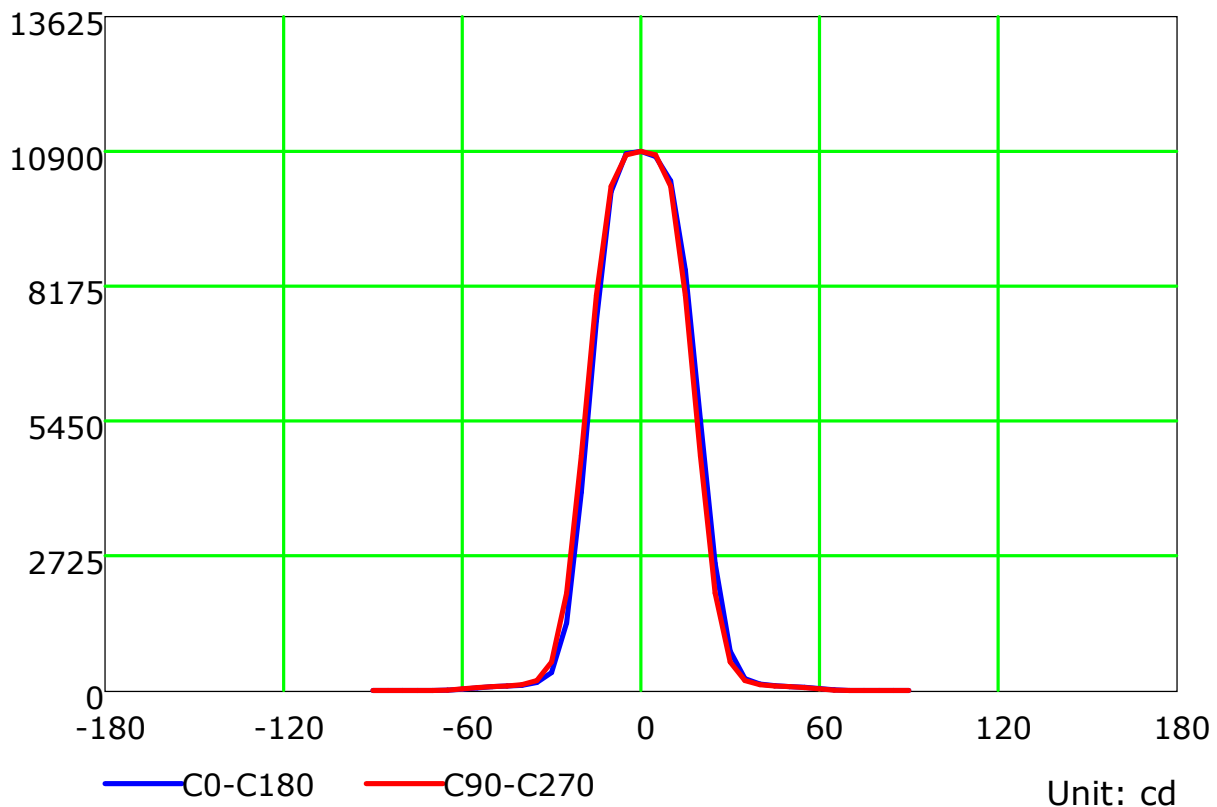
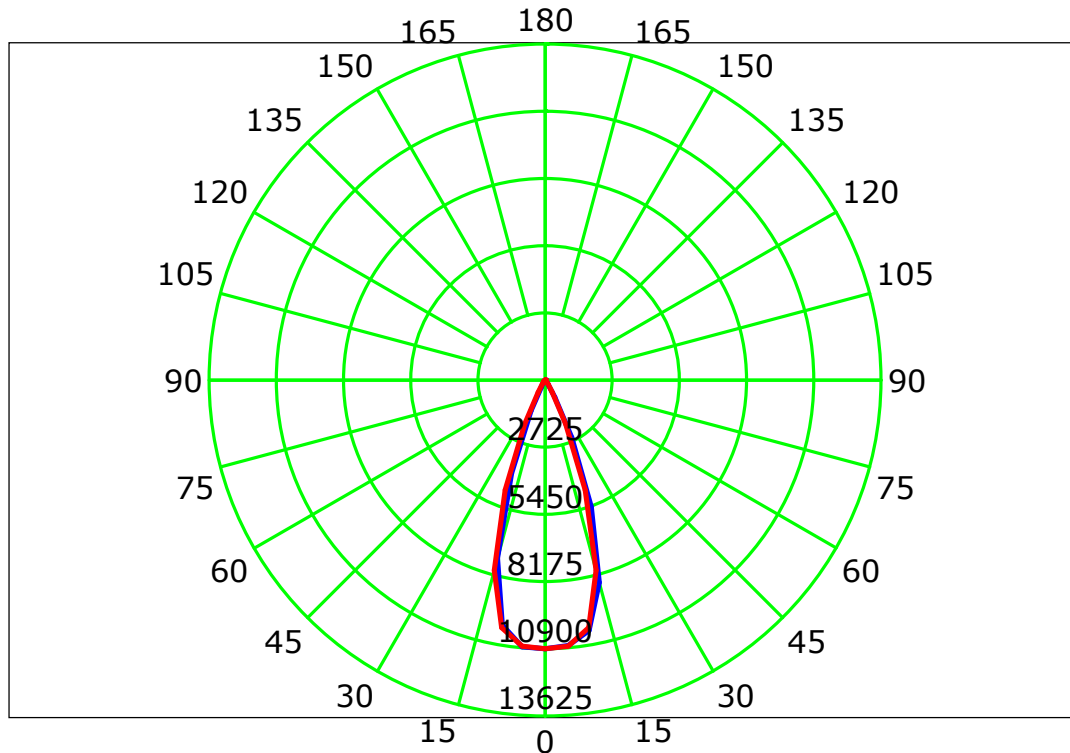
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

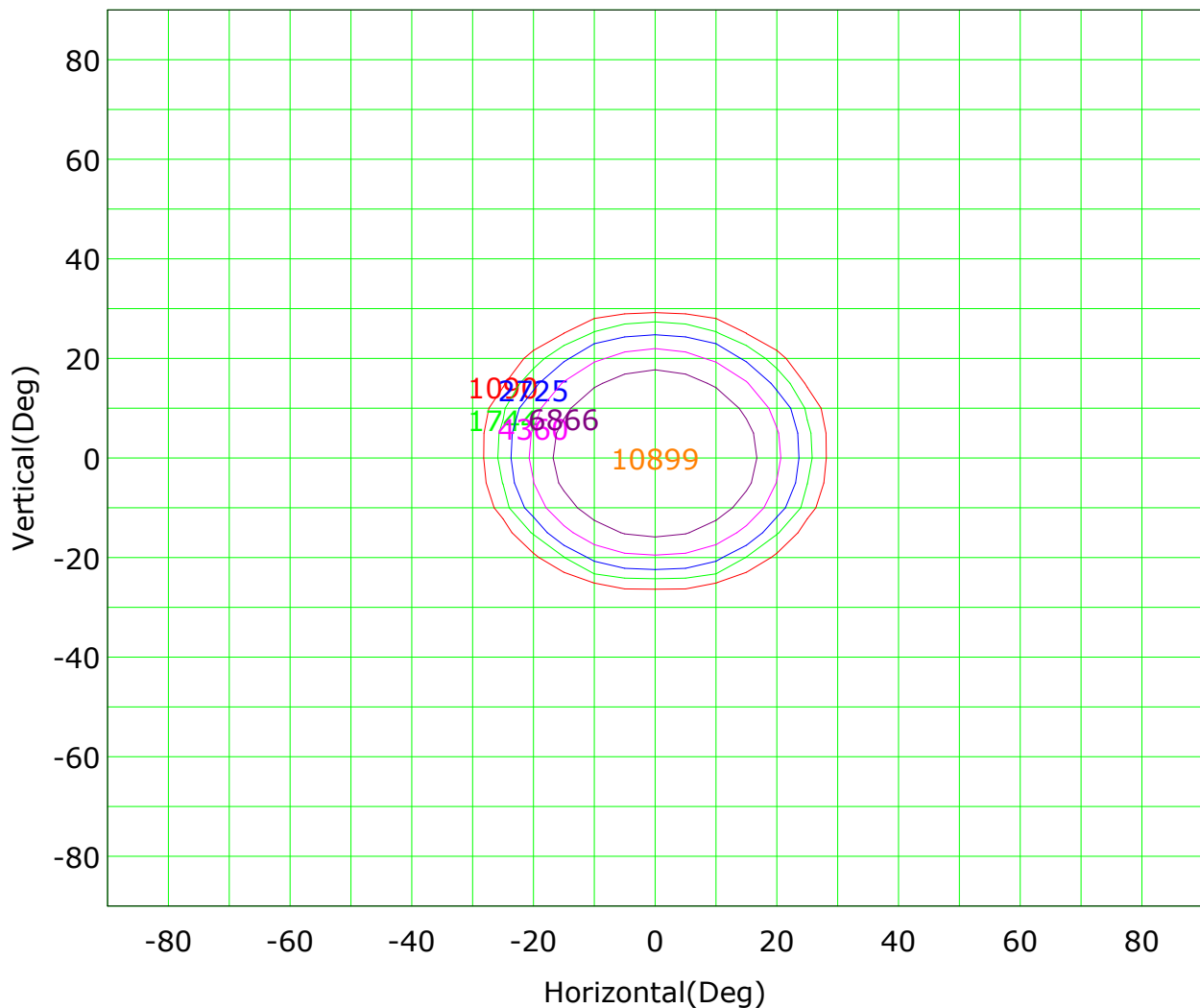
Luminous Intensity Distribution Curve



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%): 10899 cd

(10%): 1090 cd	(16%): 1744 cd
(25%): 2725 cd	(40%): 4360 cd
(63%): 6866 cd	(100%): 10899 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

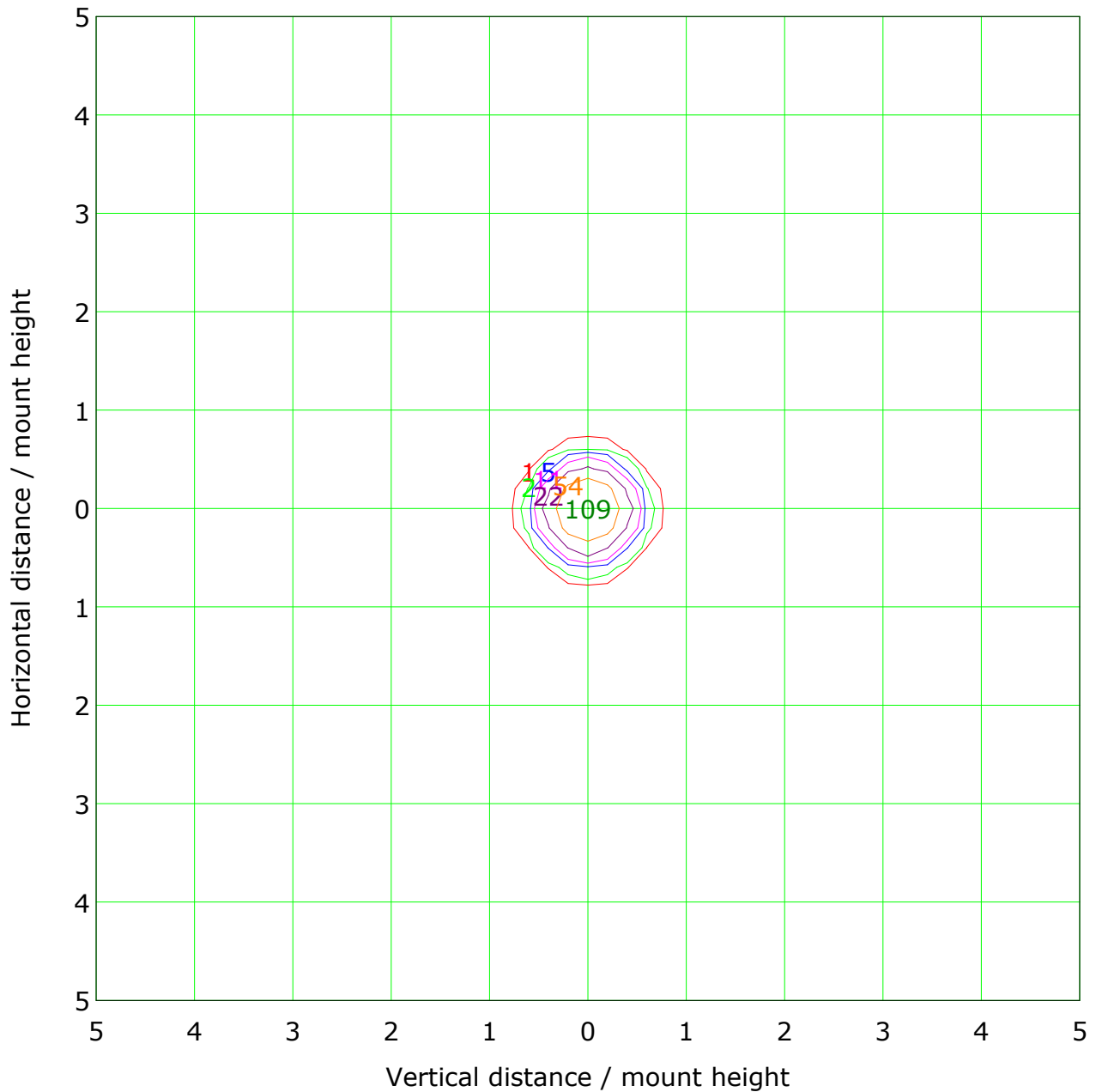
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 109 lx

(1%):	1 lx	(2%):	2 lx
(5%):	5 lx	(10%):	11 lx
(20%):	22 lx	(50%):	54 lx
(100%):	109 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

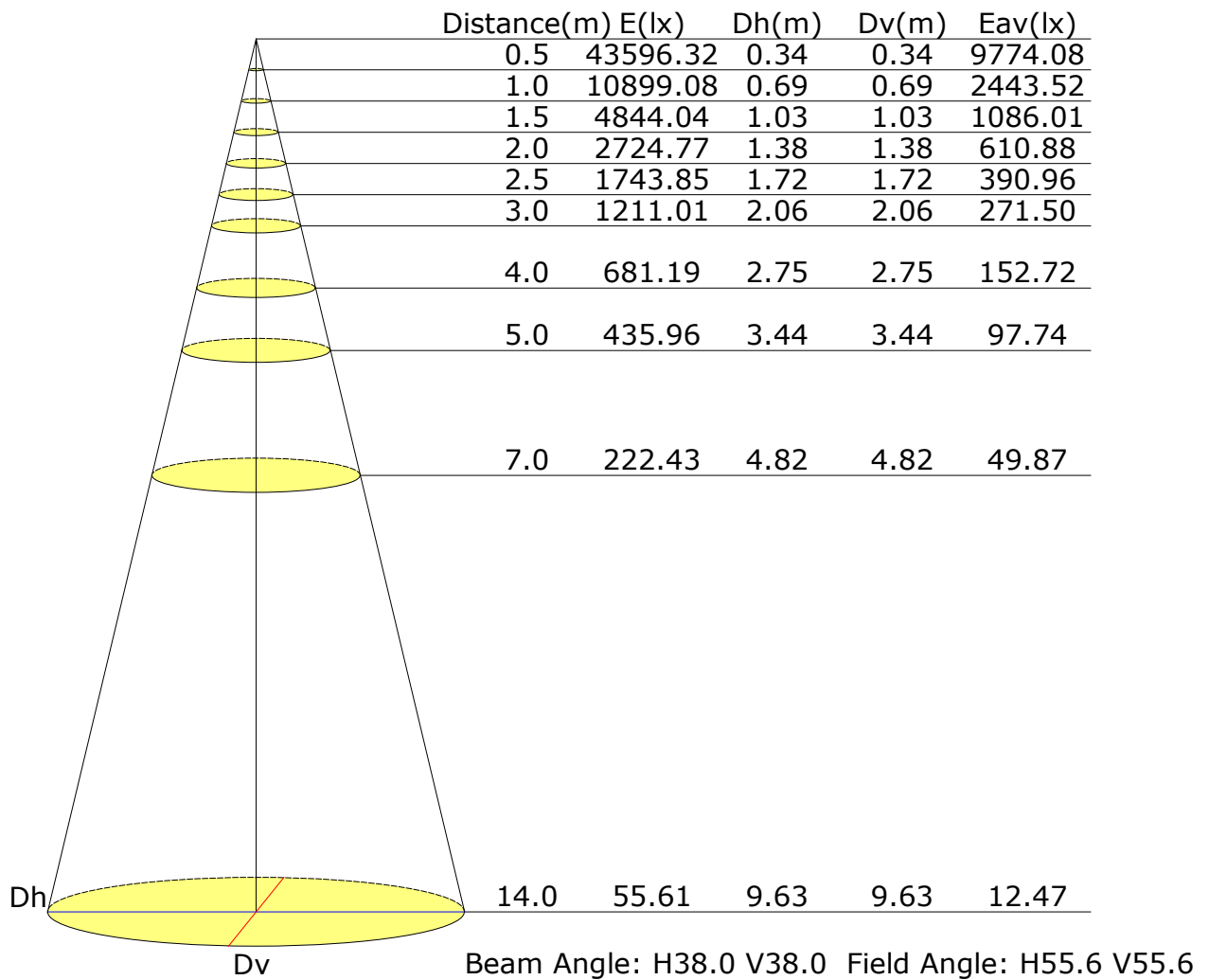
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

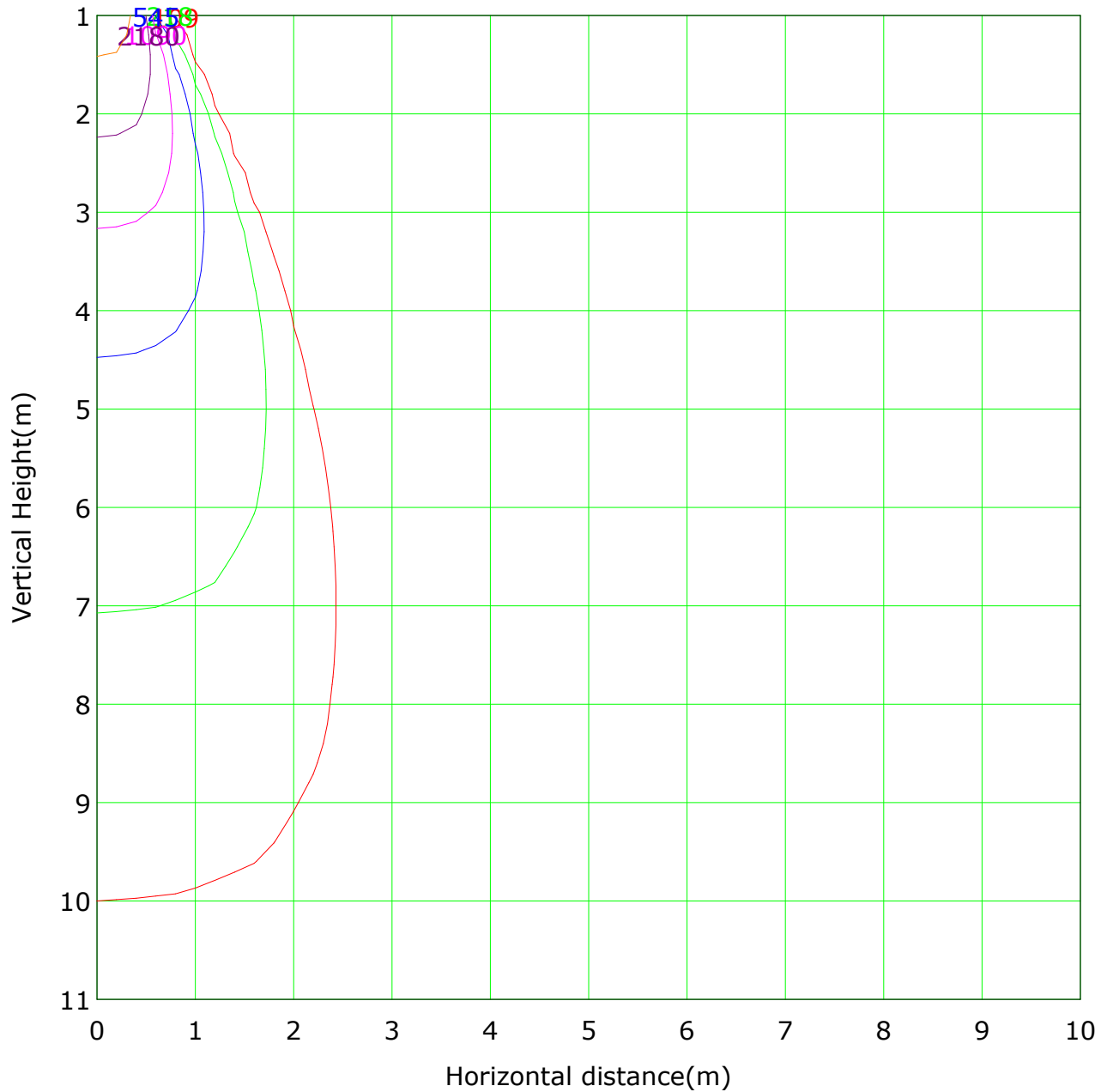
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Vertical IsoLux Plot

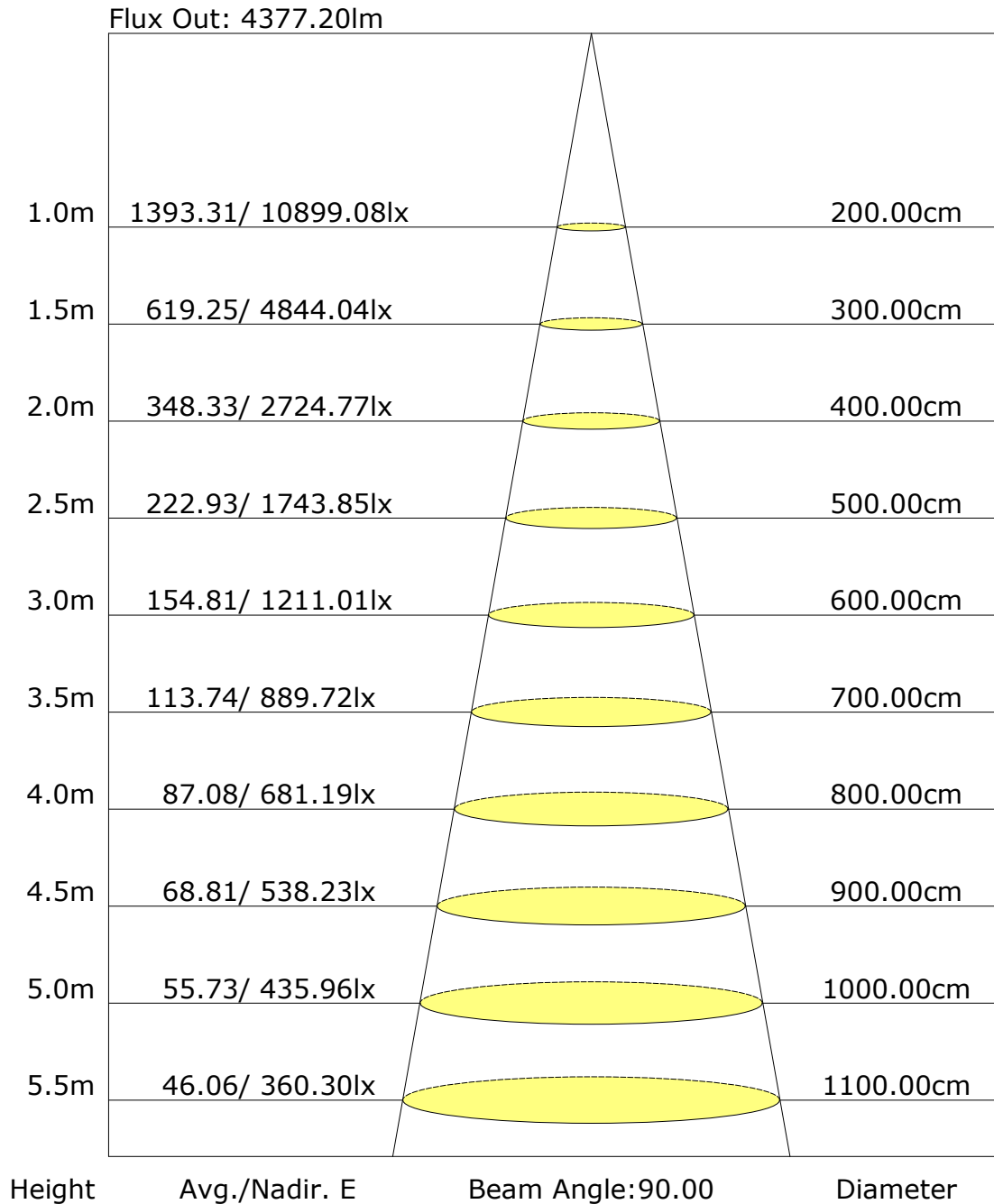


Lowest(m): 1m Highest(m): 11 Max Lux: 10899
— (1%): 109 lx — (2%): 218 lx
— (5%): 545 lx — (10%): 1090 lx
— (20%): 2180 lx — (50%): 5450 lx
— (100%): 10899 lx

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: