

Report No.: 52.05521 UTH Down Light

Test Time: 2023-10-12 17:55

Luminaire Property

Luminaire Category: Bridgelux V3HD 3000K CRI90

Voltage: 230.0 V

Current: 0.058 A

Power: 7.00 W

Power Factor: 0.523

Photometric Results

CIE Class: Direct

Measurement Flux: 440.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H16.1

Vertical Diffuse Angle(50%): V16.1

Luminaire Efficacy Rating (LER): 63

Max. Intensity: 3755.28 cd

Total Rated Lamp Lumens: 440.8 lm

Efficiency: 100%

Upward Ratio: 0%

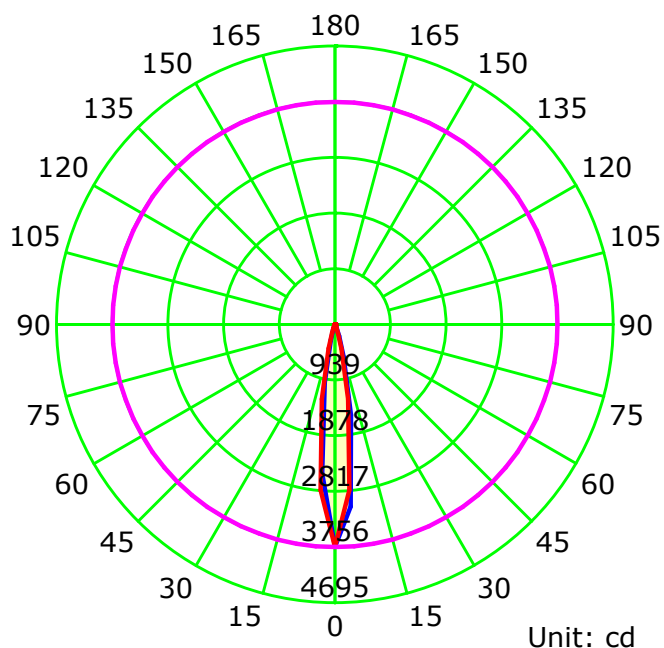
Central Intensity: 3755.27 cd

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

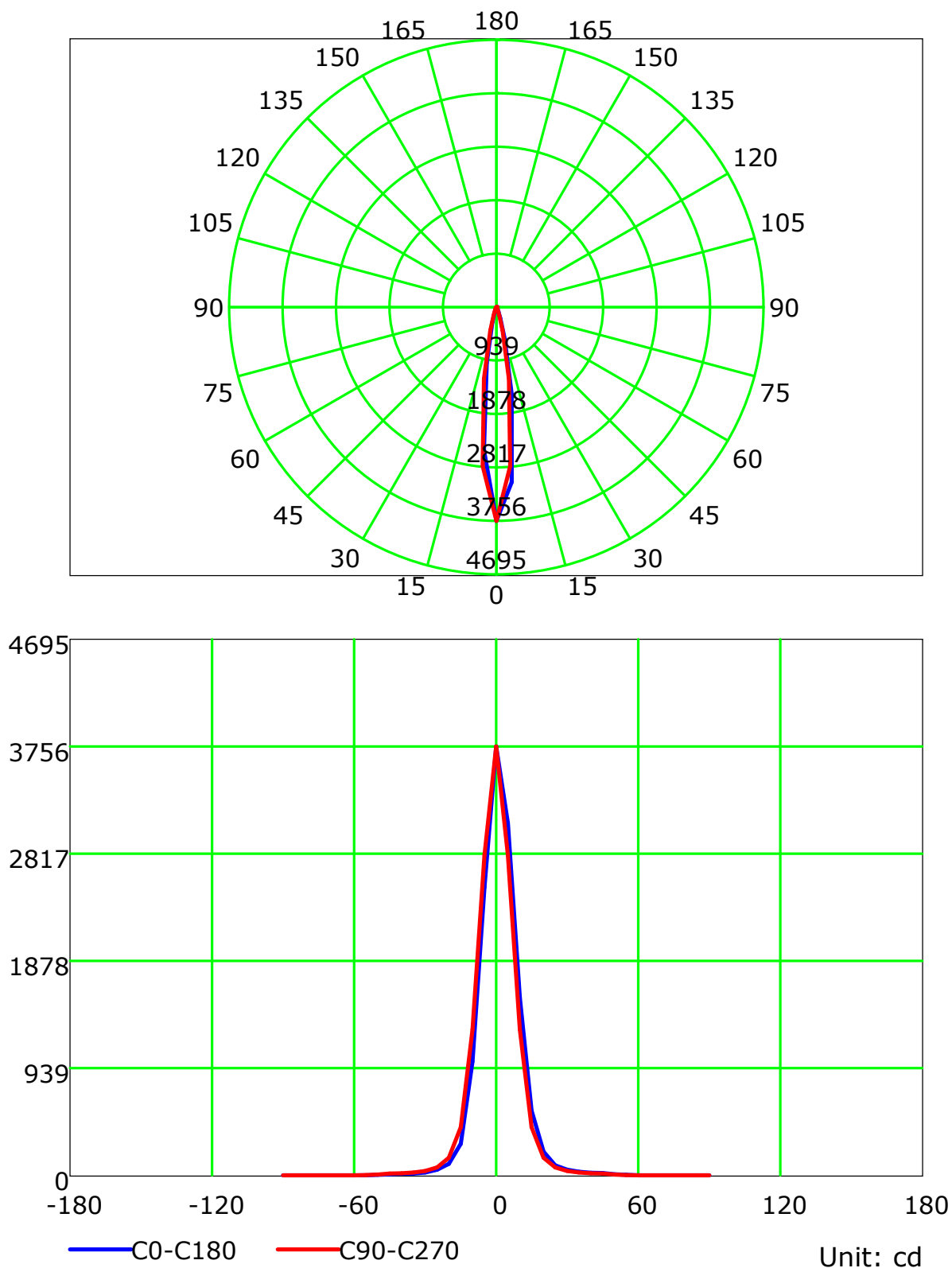
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

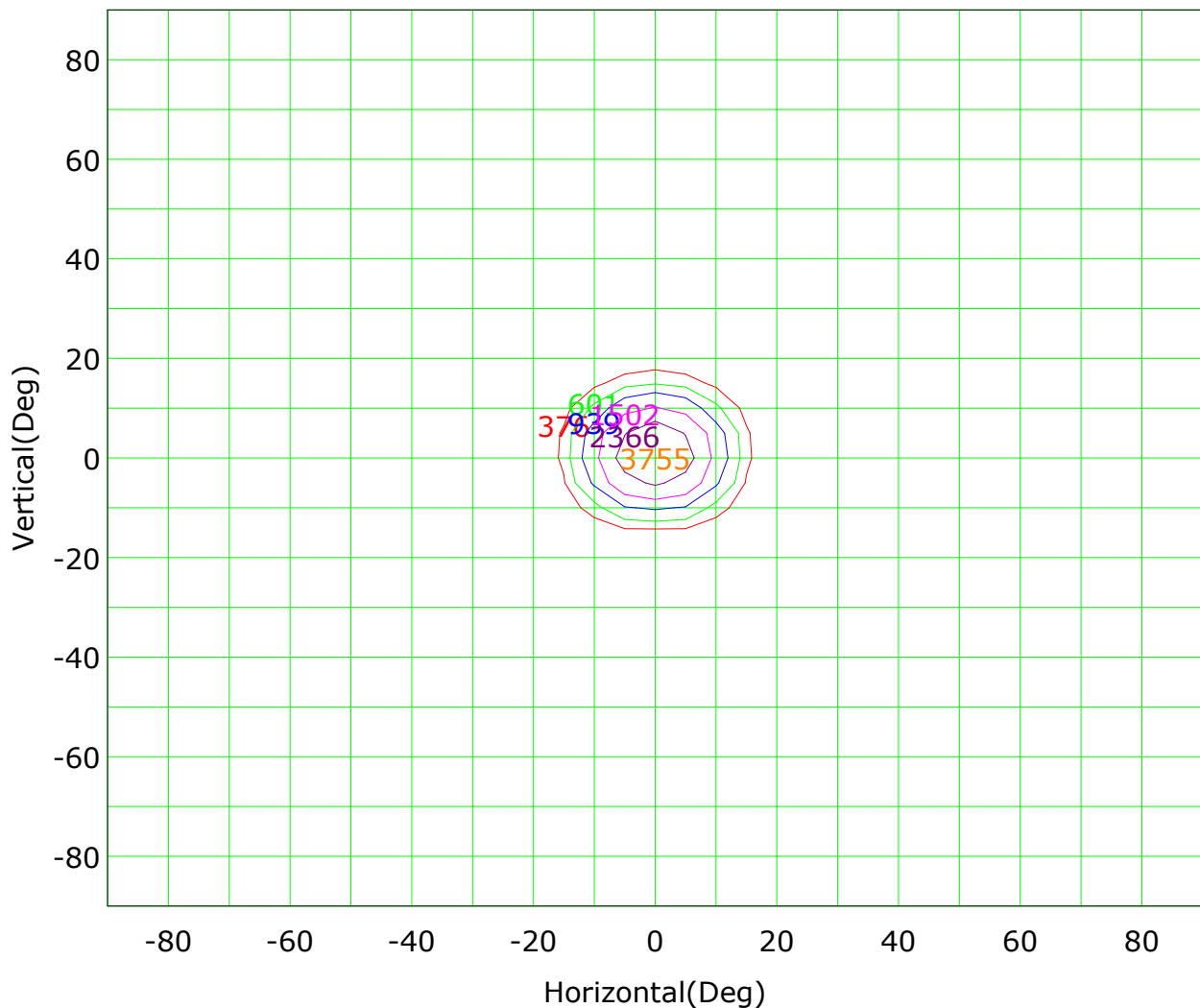
Luminous Intensity Distribution Curve



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%): 3755 cd

(10%): 376 cd	(16%): 601 cd
(25%): 939 cd	(40%): 1502 cd
(63%): 2366 cd	(100%): 3755 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

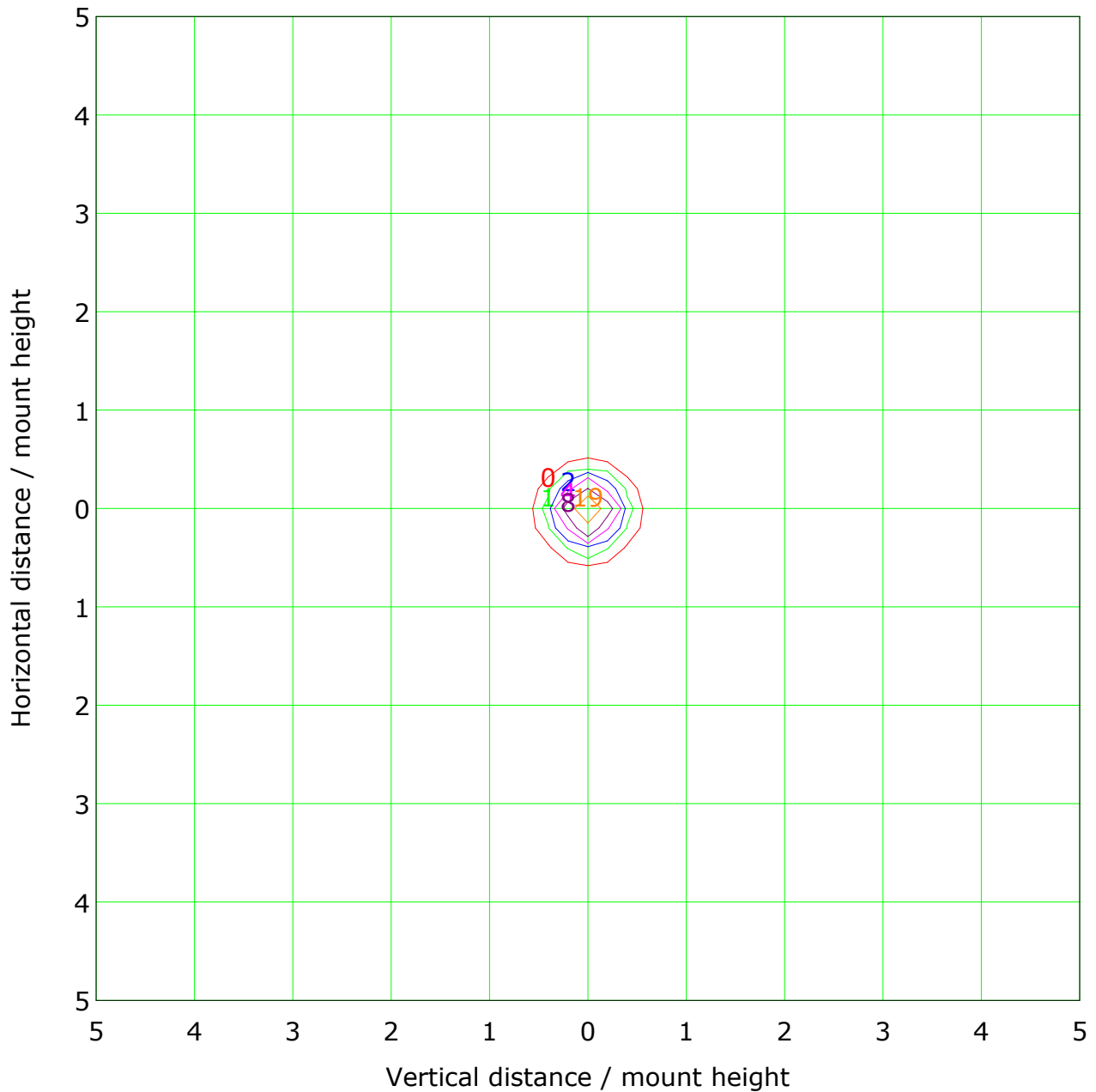
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 38 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	8 lx	(50%):	19 lx
(100%):	38 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

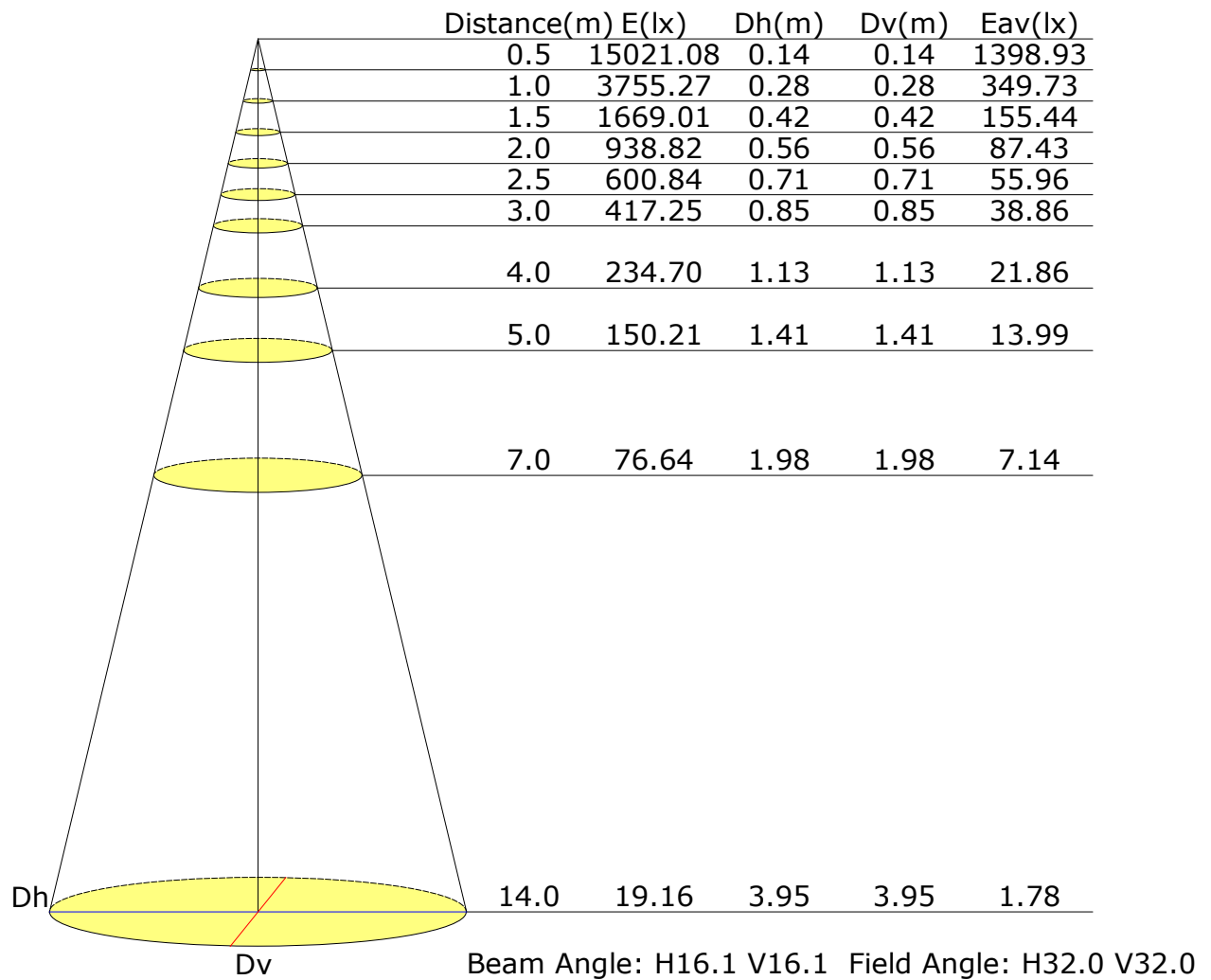
Test Device: CHL-6E

Distance: 3.000 m

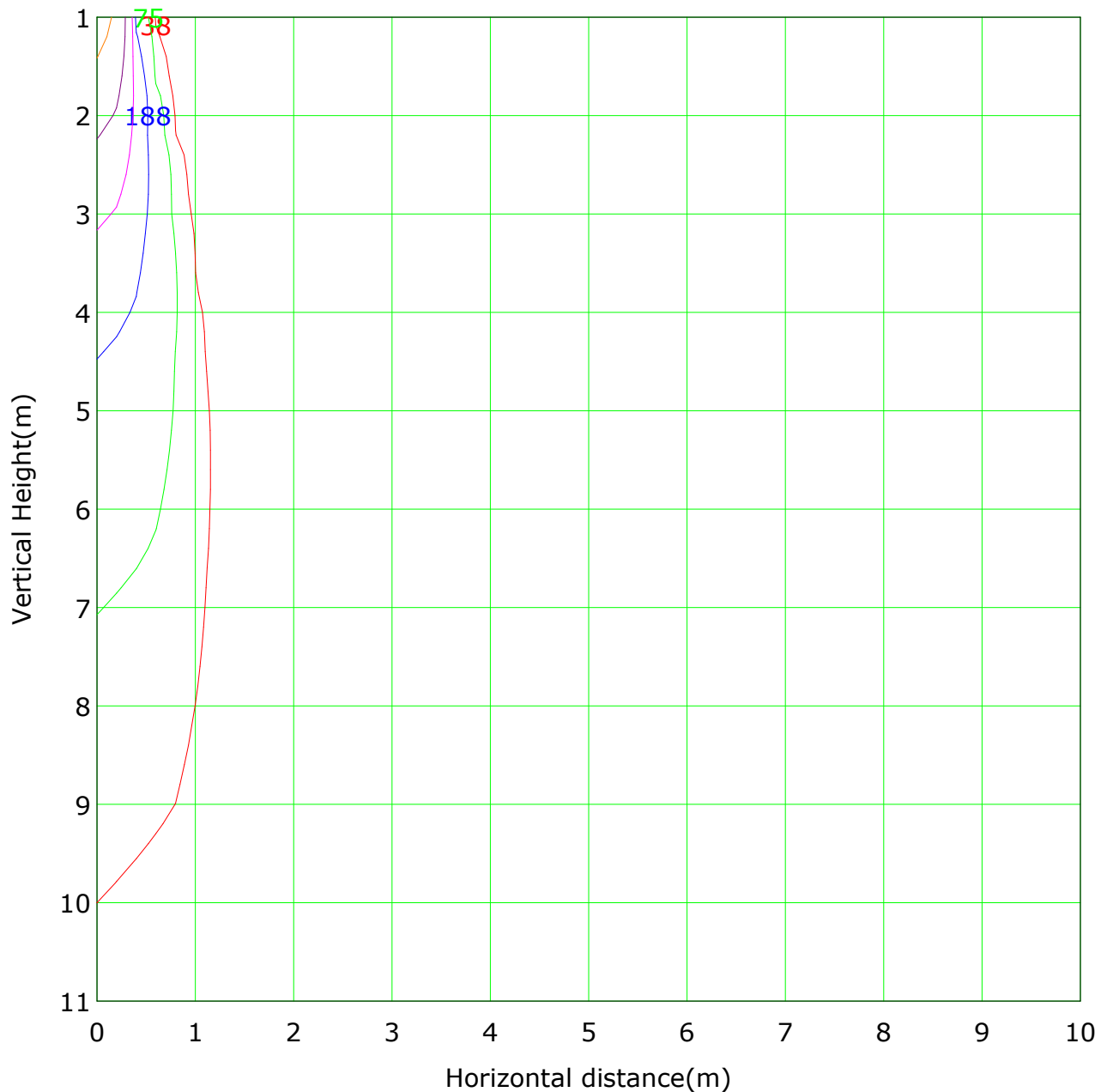
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



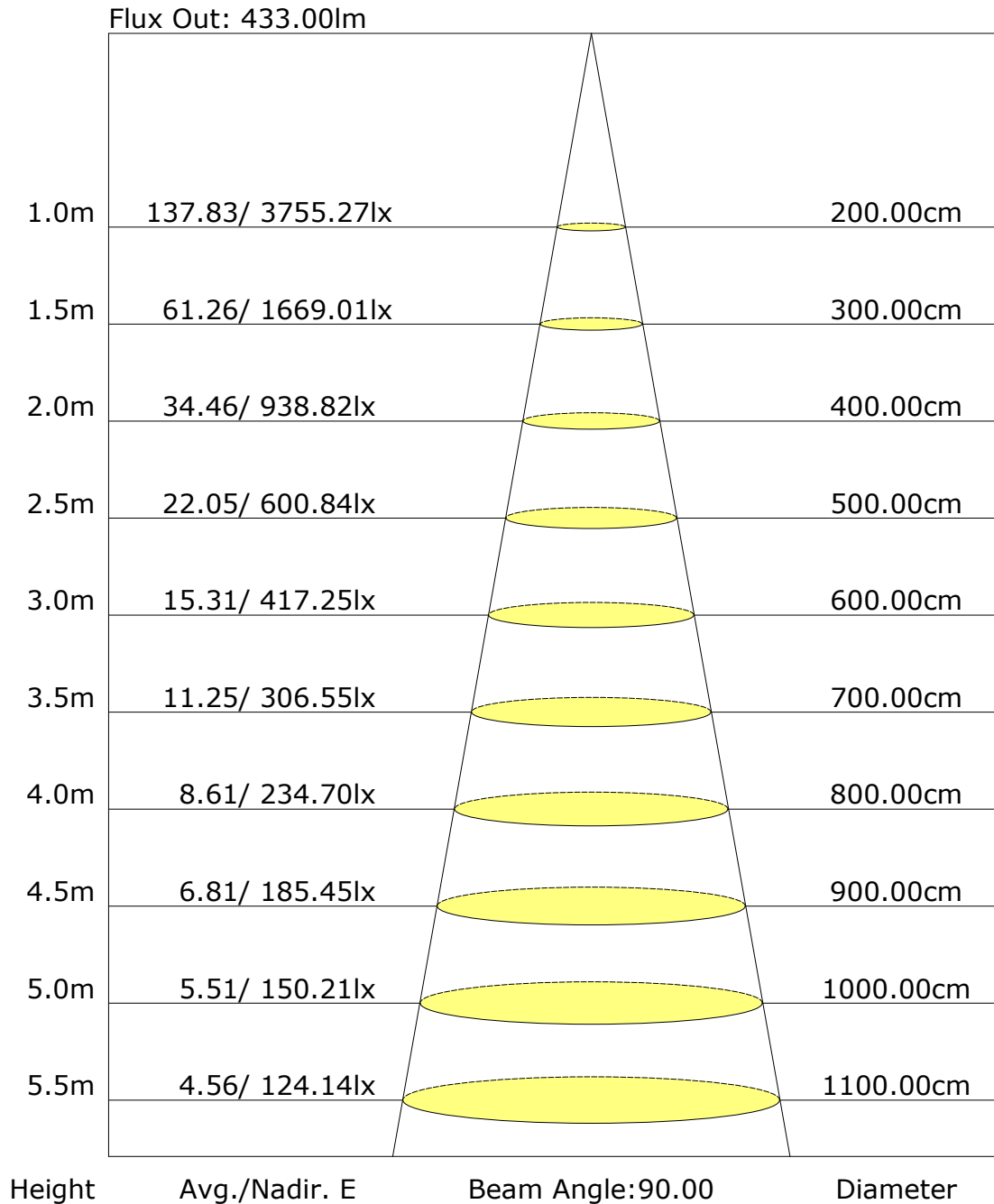
Lowest(m): 1m Highest(m): 11 Max Lux: 3755

(1%): 38 lx	(2%): 75 lx
(5%): 188 lx	(10%): 376 lx
(20%): 751 lx	(50%): 1878 lx
(100%): 3755 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: