

Report No.: 52.10019 ECO Down Light

Test Time: 2023-07-01 09:33

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Luminaire Description: 24D

Current: 0.153 A

Power Factor: 0.973

Voltage: 209.7 V

Power: 31.40 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2956.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H22

Vertical Diffuse Angle(50%): V22

Luminaire Efficacy Rating (LER): 94

Max. Intensity: 15249 cd

Total Rated Lamp Lumens: 2956.9 lm

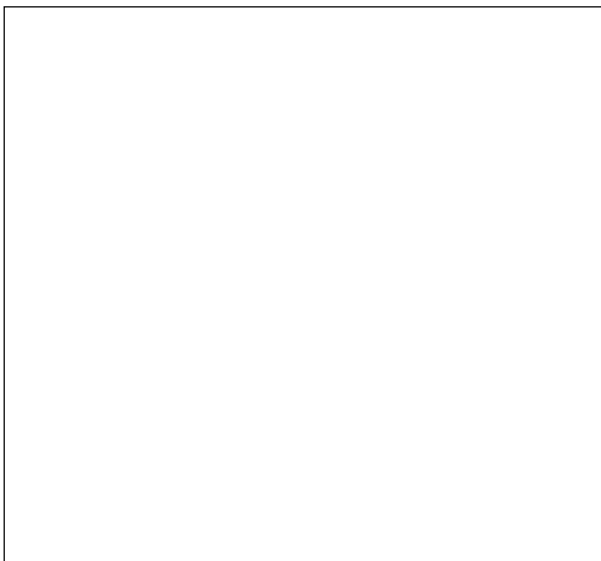
Efficiency: 100%

Upward Ratio: 0%

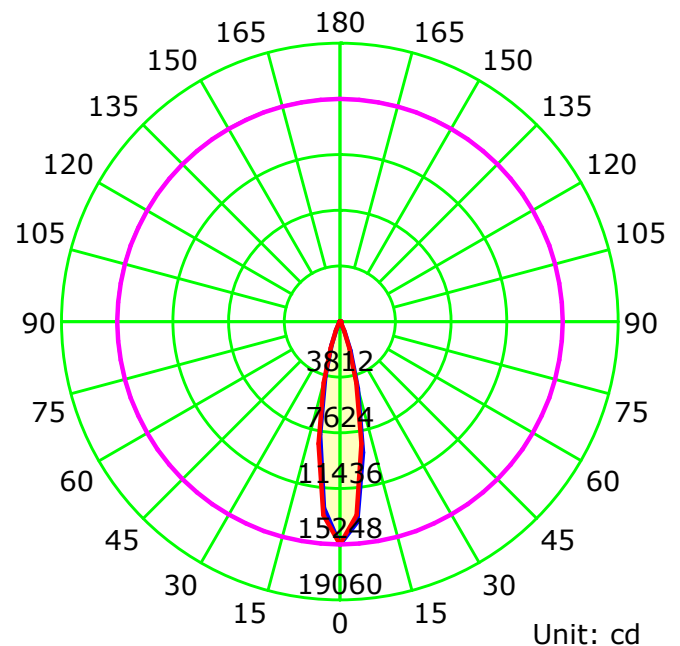
Central Intensity: 15248.99 cd

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

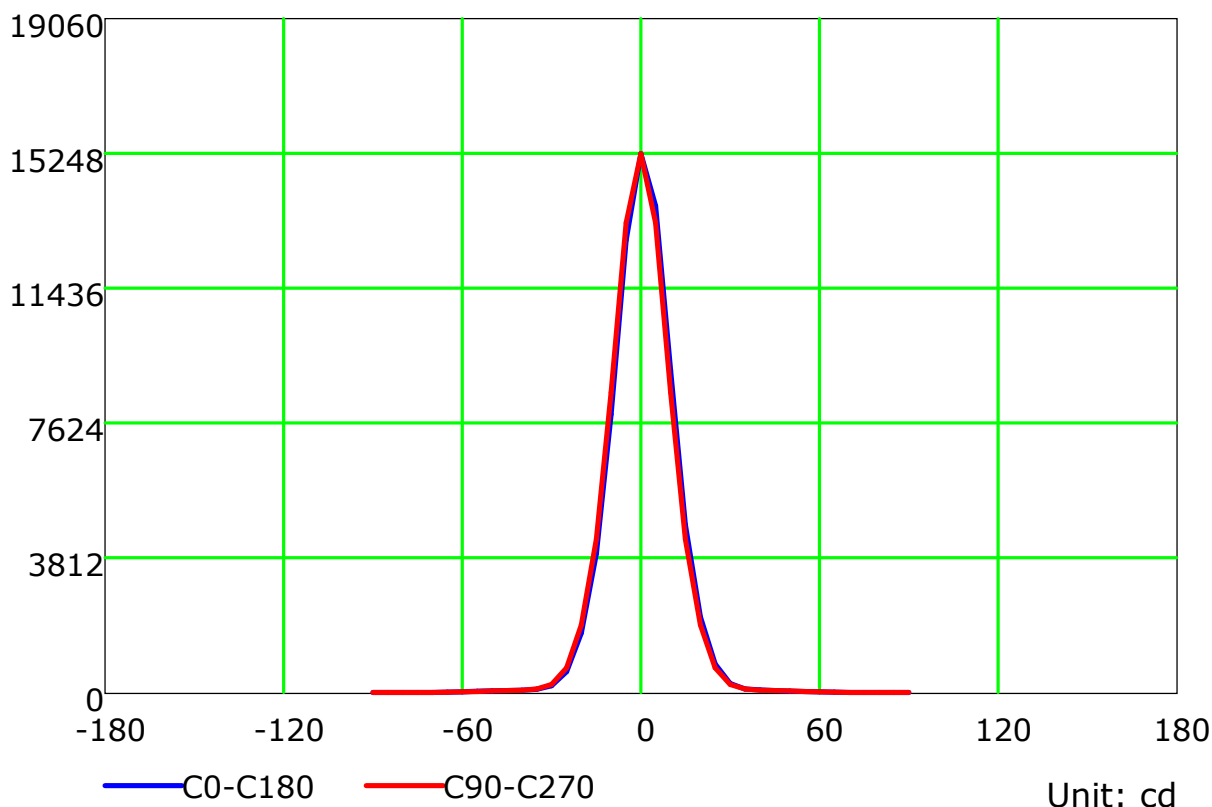
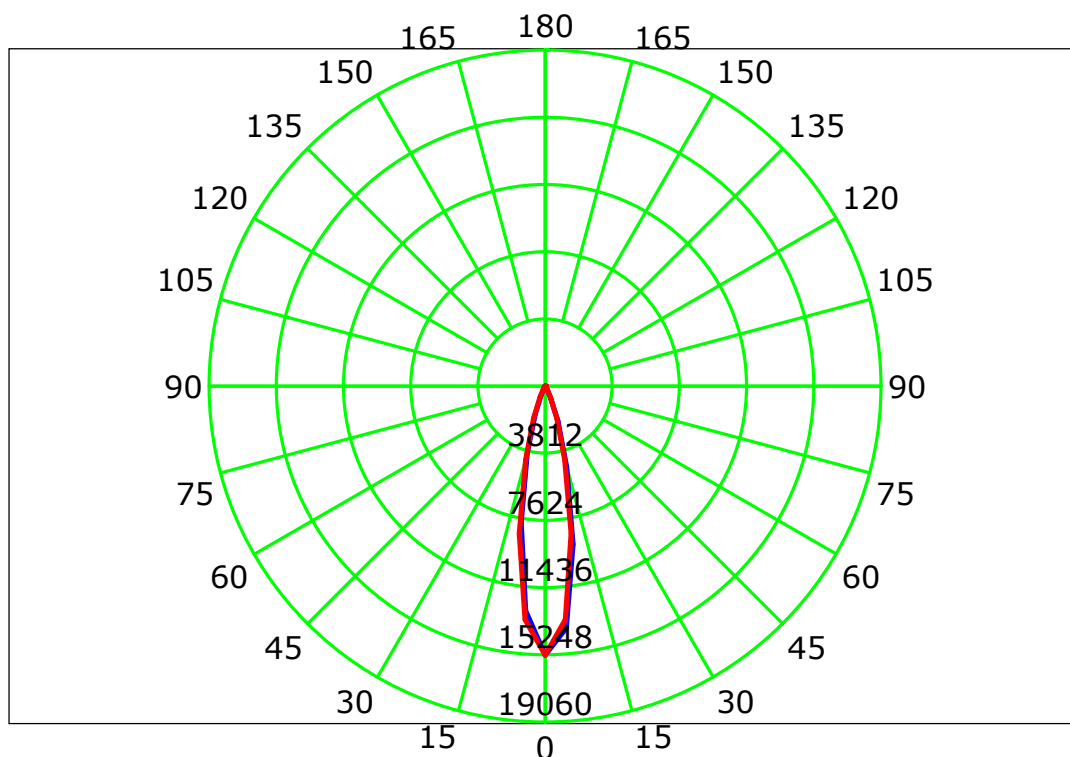
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

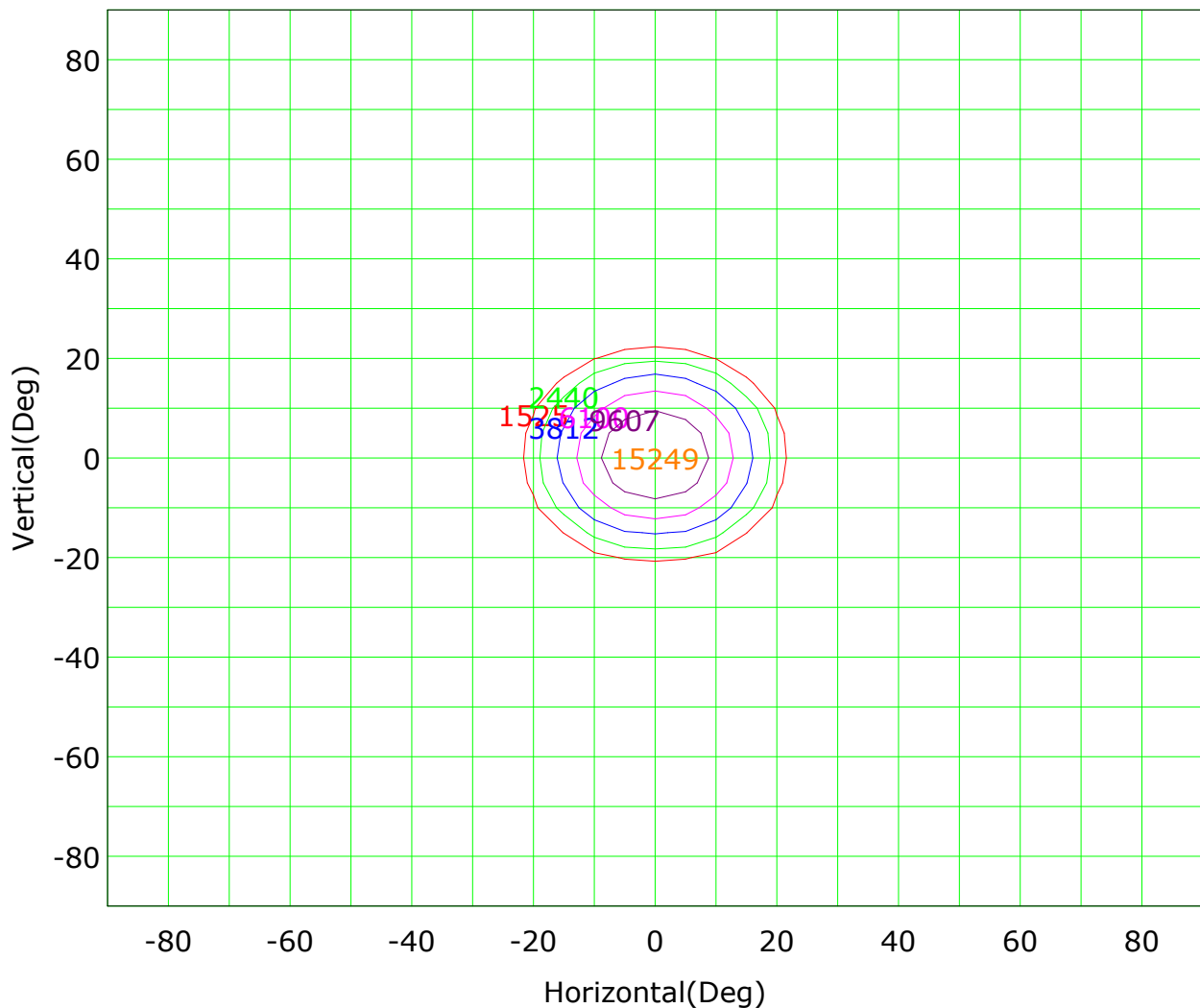
Luminous Intensity Distribution Curve



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%): 15249 cd

(10%): 1525 cd	(16%): 2440 cd
(25%): 3812 cd	(40%): 6100 cd
(63%): 9607 cd	(100%): 15249 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

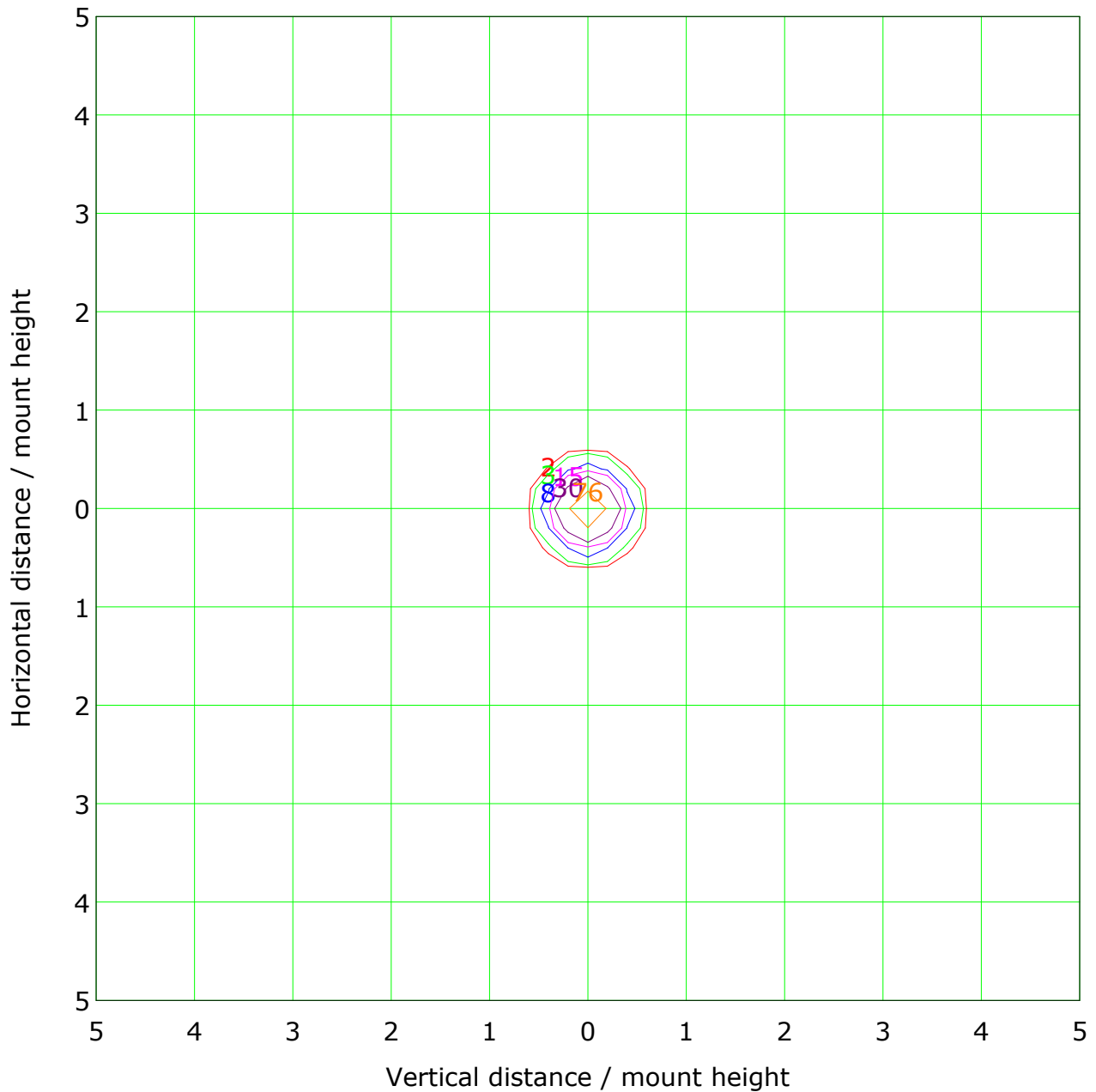
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 152 lx	
(1%):	2 lx	(2%):	3 lx
(5%):	8 lx	(10%):	15 lx
(20%):	30 lx	(50%):	76 lx
(100%):	152 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

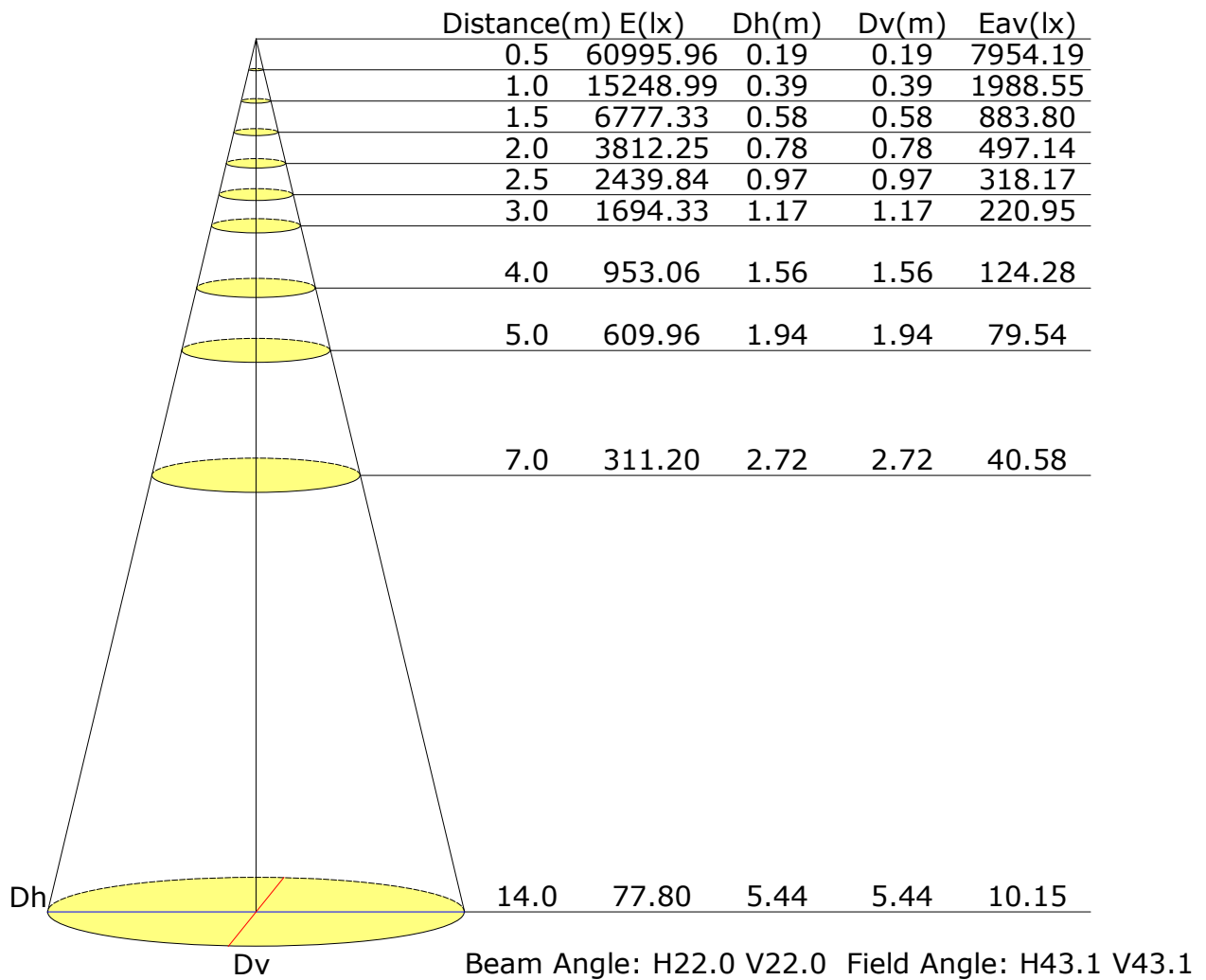
Test Device: CHL-6E

Distance: 3.000 m

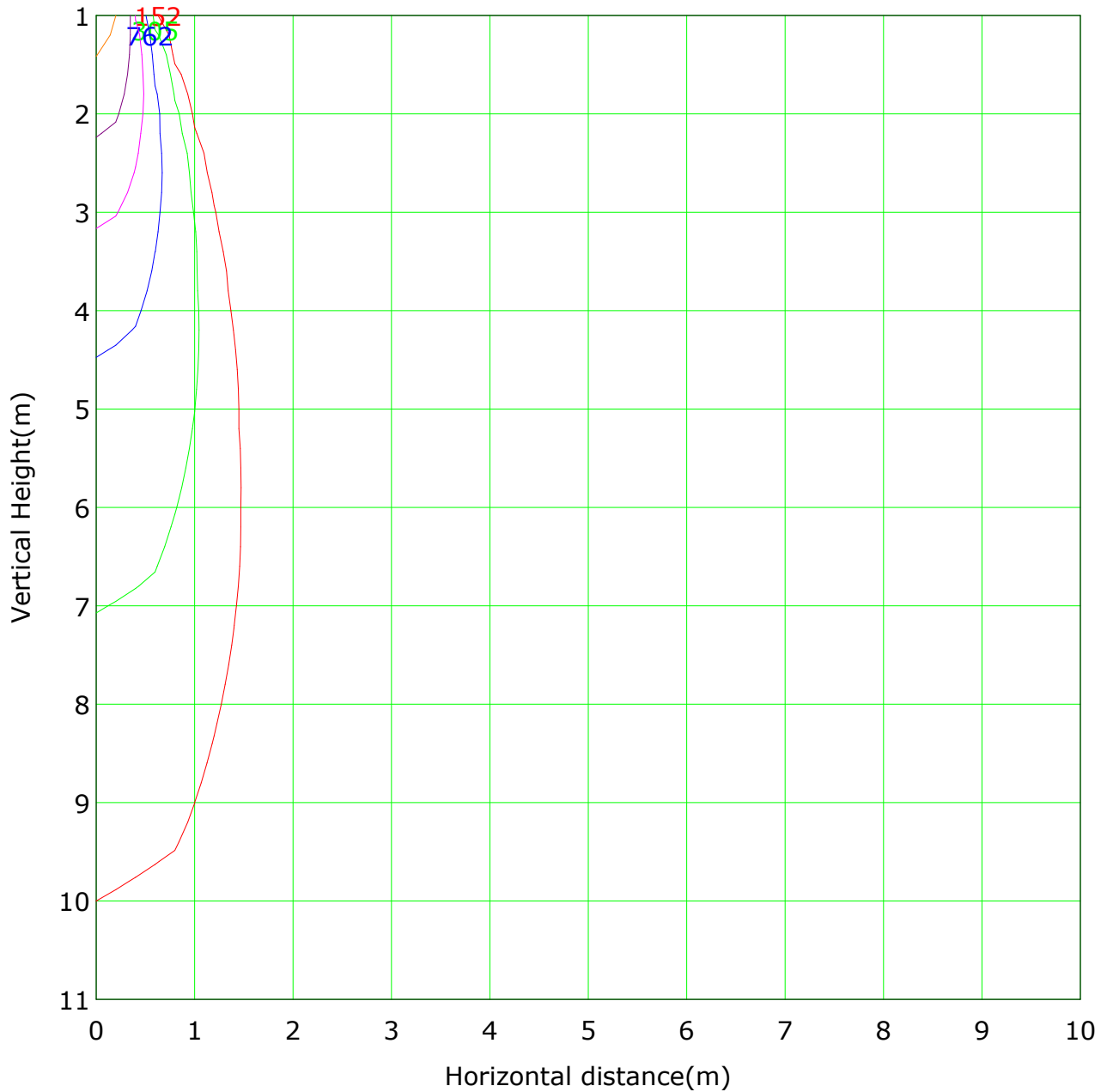
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

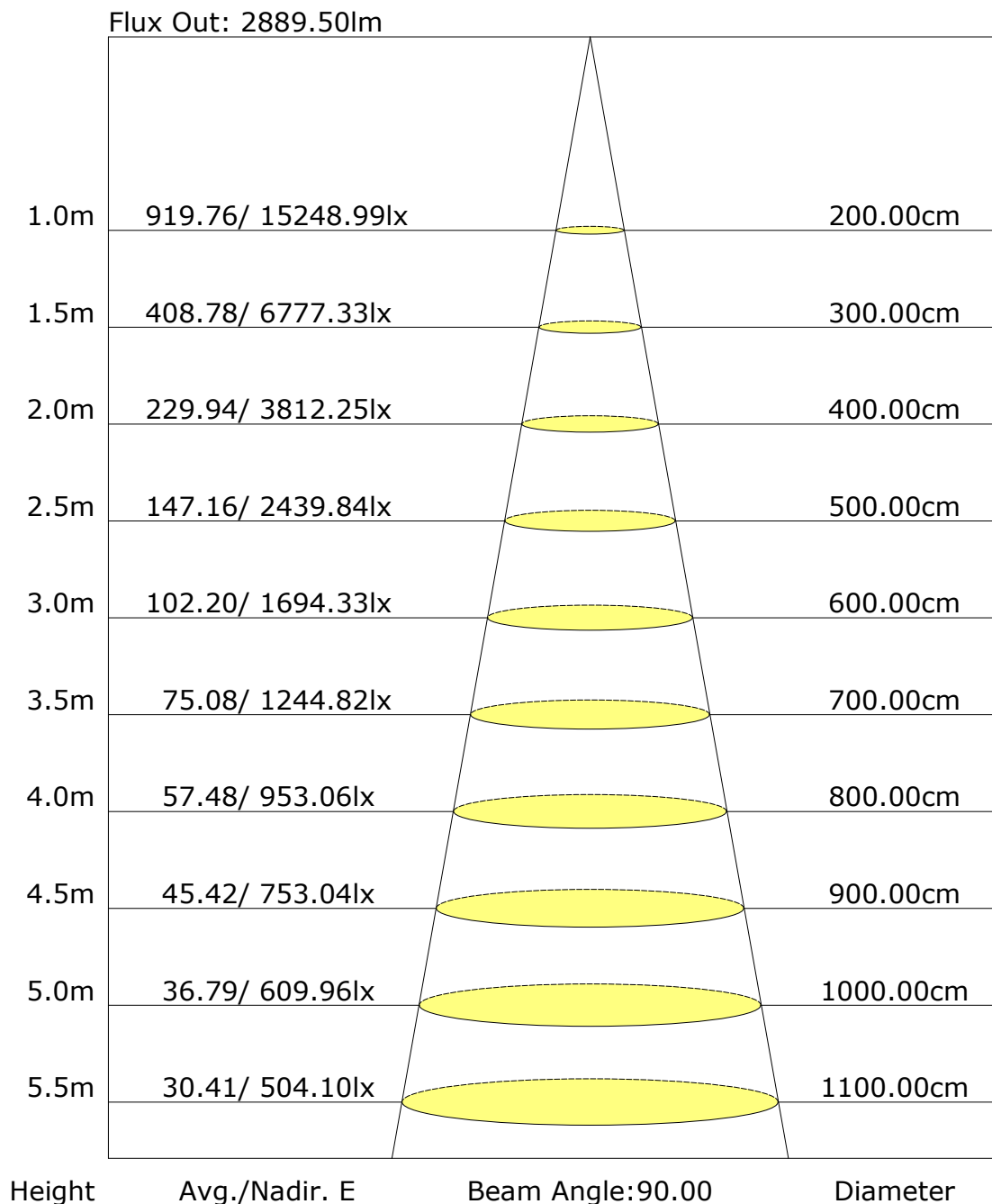


Lowest(m): 1m Highest(m): 11 Max Lux: 15249
— (1%): 152 lx — (2%): 305 lx
— (5%): 762 lx — (10%): 1525 lx
— (20%): 3050 lx — (50%): 7624 lx
— (100%): 15249 lx

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:

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: