

Report No.: 51.04011 Recessed Downlight Test Time: 2023-07-01 20:27

Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Luminaire Description: 15D

Current: 0.063 A

Power Factor: 0.575

Voltage: 217.5 V

Power: 7.90 W

Photometric Results

CIE Class: Direct

Measurement Flux: 469.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H18.4

Vertical Diffuse Angle(50%): V18.4

Luminaire Efficacy Rating (LER): 59

Max. Intensity: 3460.48 cd

Total Rated Lamp Lumens: 469.4 lm

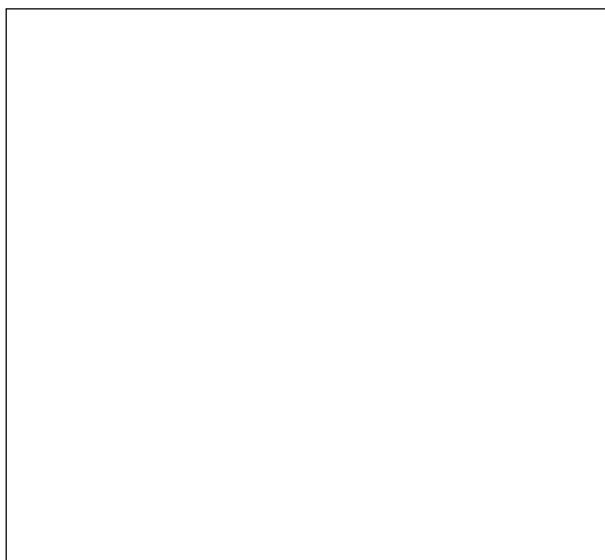
Efficiency: 100%

Upward Ratio: 0%

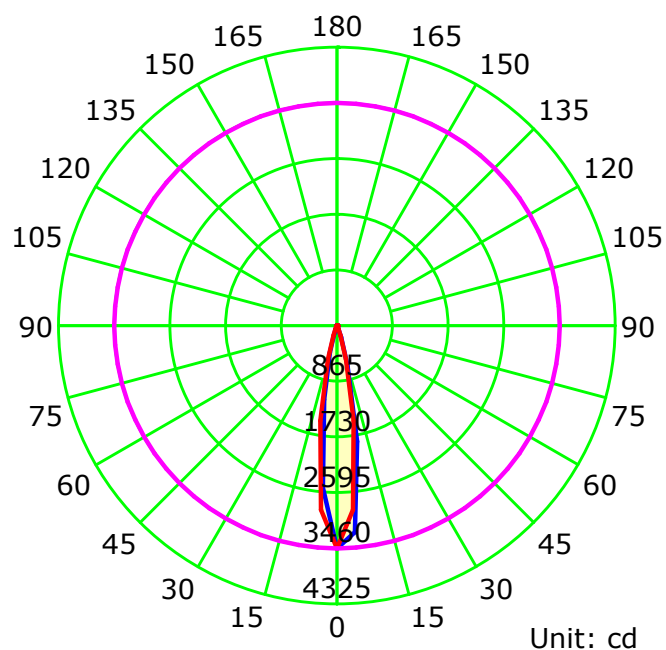
Central Intensity: 3460.48 cd

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

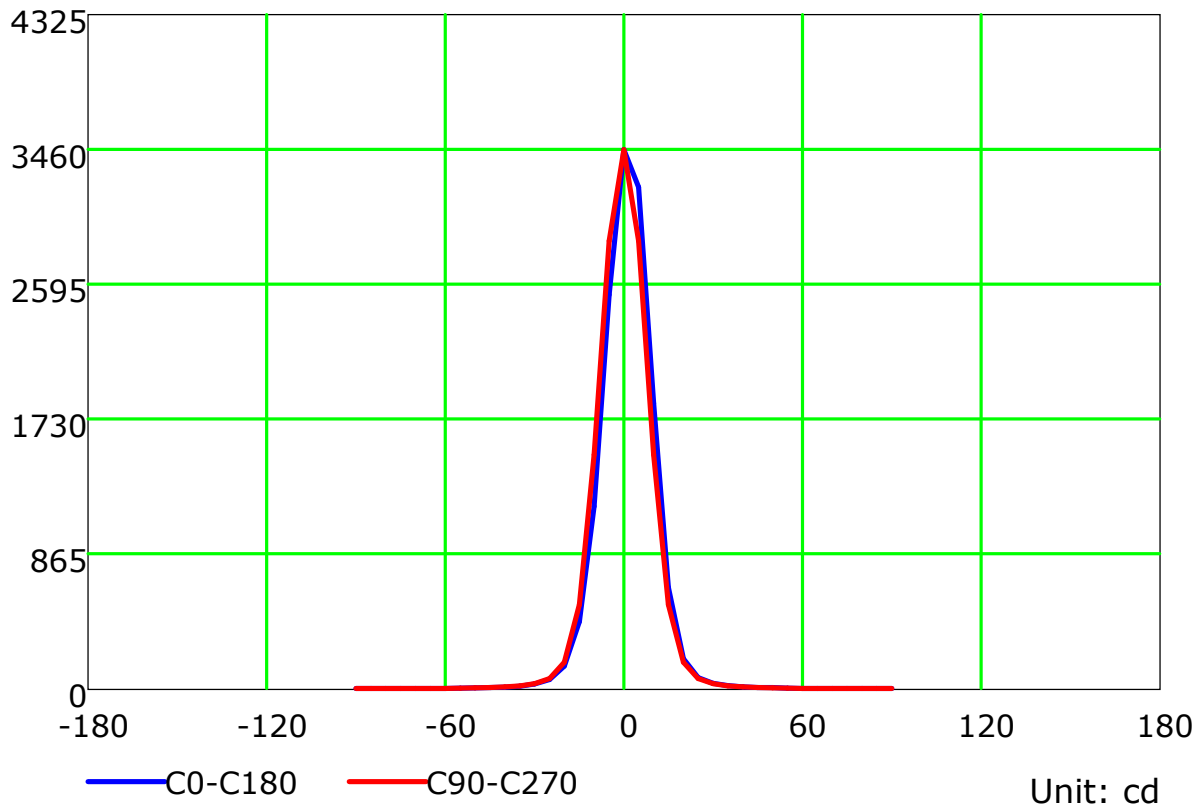
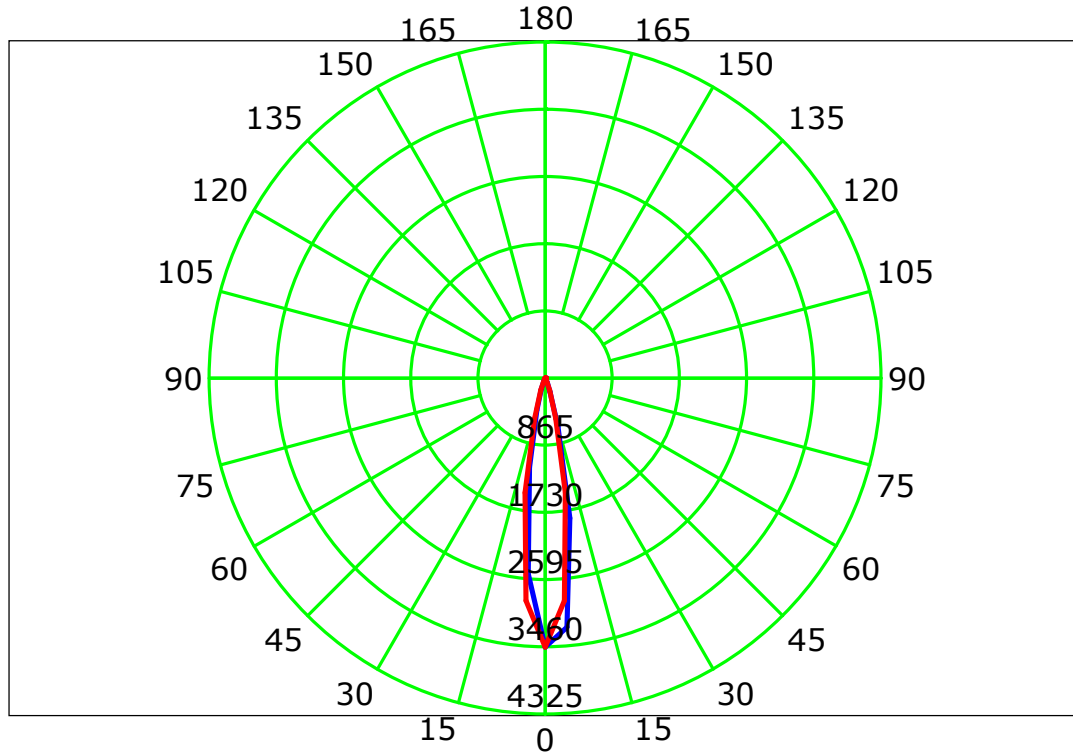
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

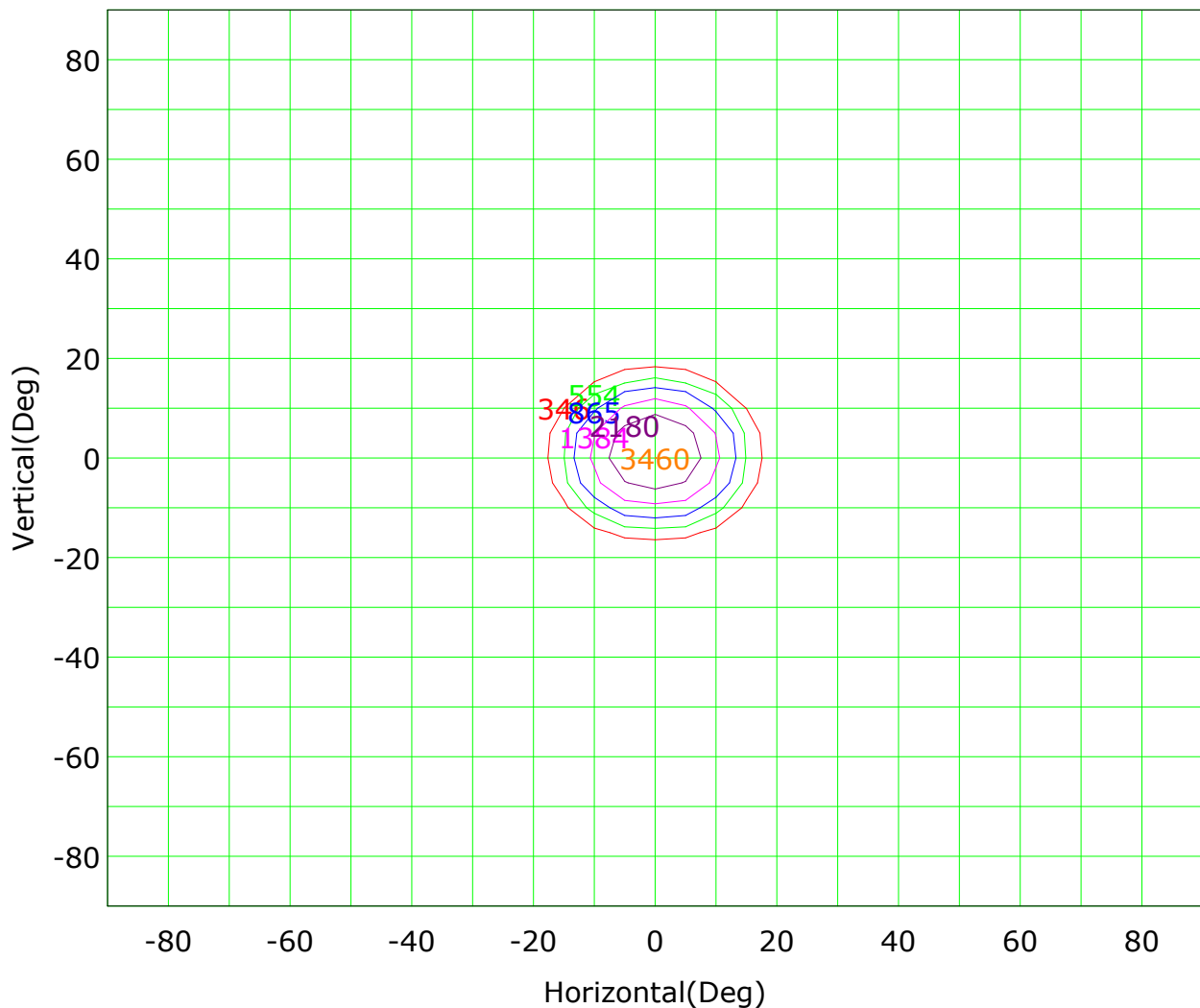
Luminous Intensity Distribution Curve



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%): 3460 cd

(10%): 346 cd	(16%): 554 cd
(25%): 865 cd	(40%): 1384 cd
(63%): 2180 cd	(100%): 3460 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

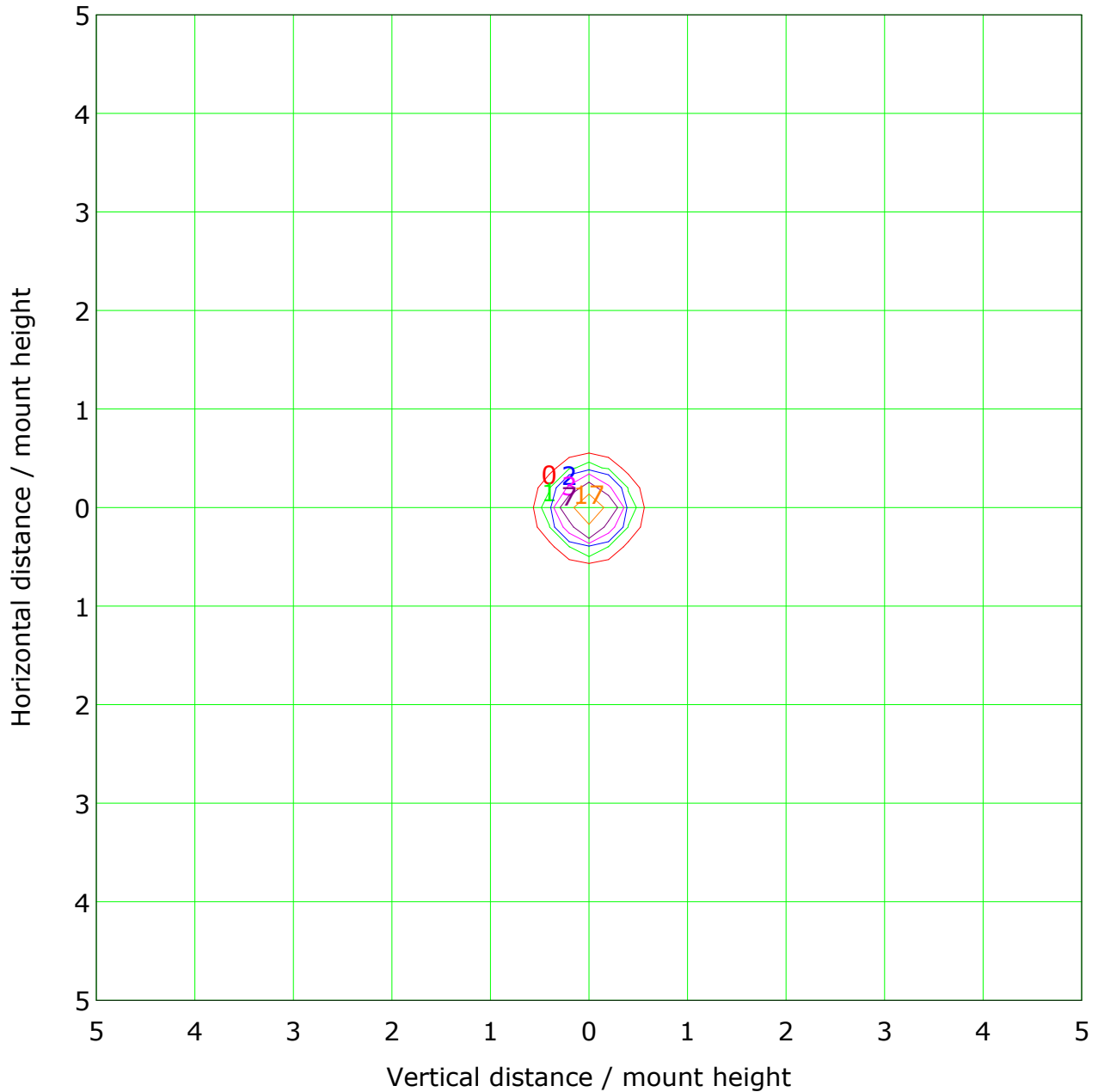
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 35 lx			
— (1%):	0 lx	— (2%):	1 lx
— (5%):	2 lx	— (10%):	3 lx
— (20%):	7 lx	— (50%):	17 lx
— (100%):	35 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

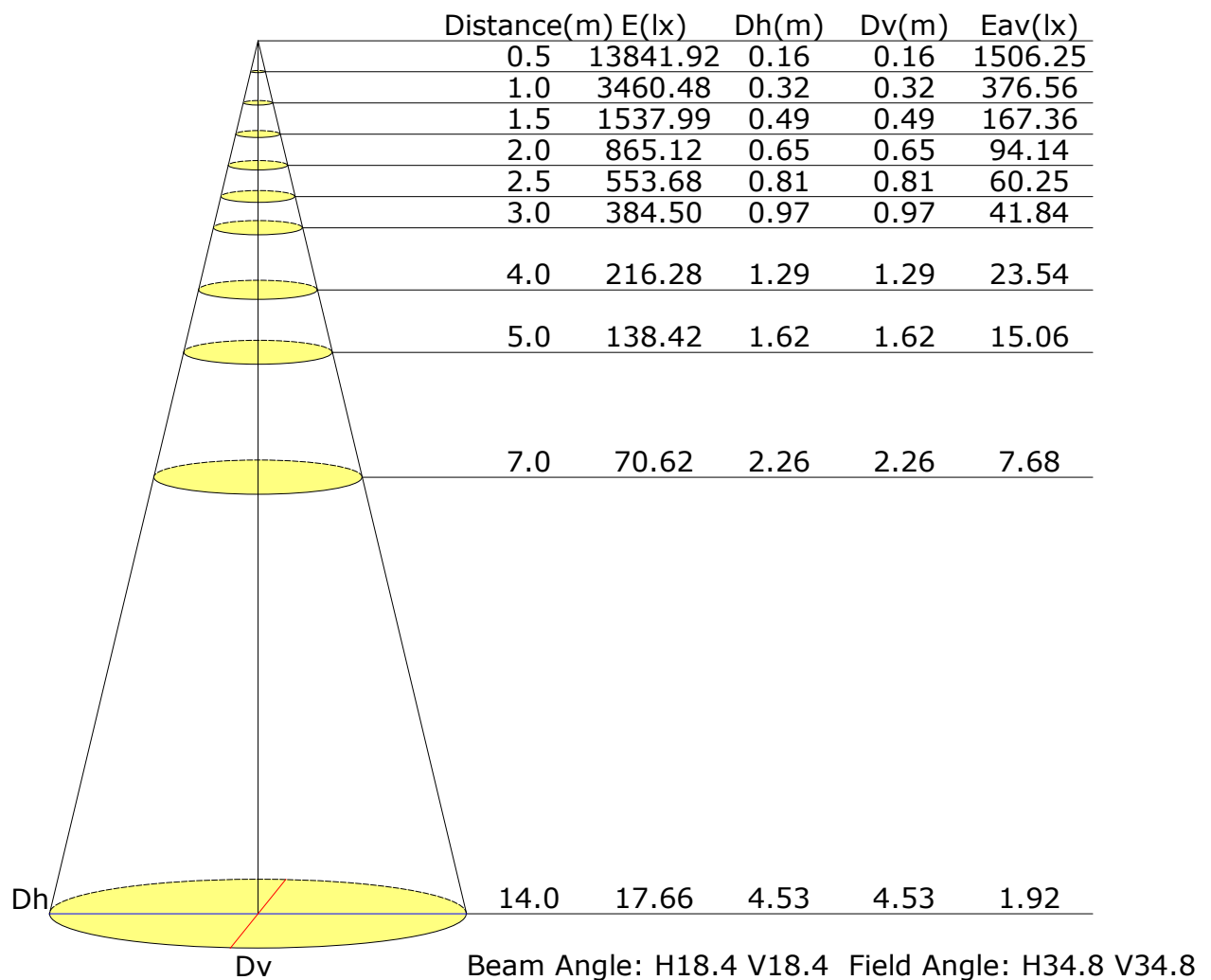
Test Device: CHL-6E

Distance: 3.000 m

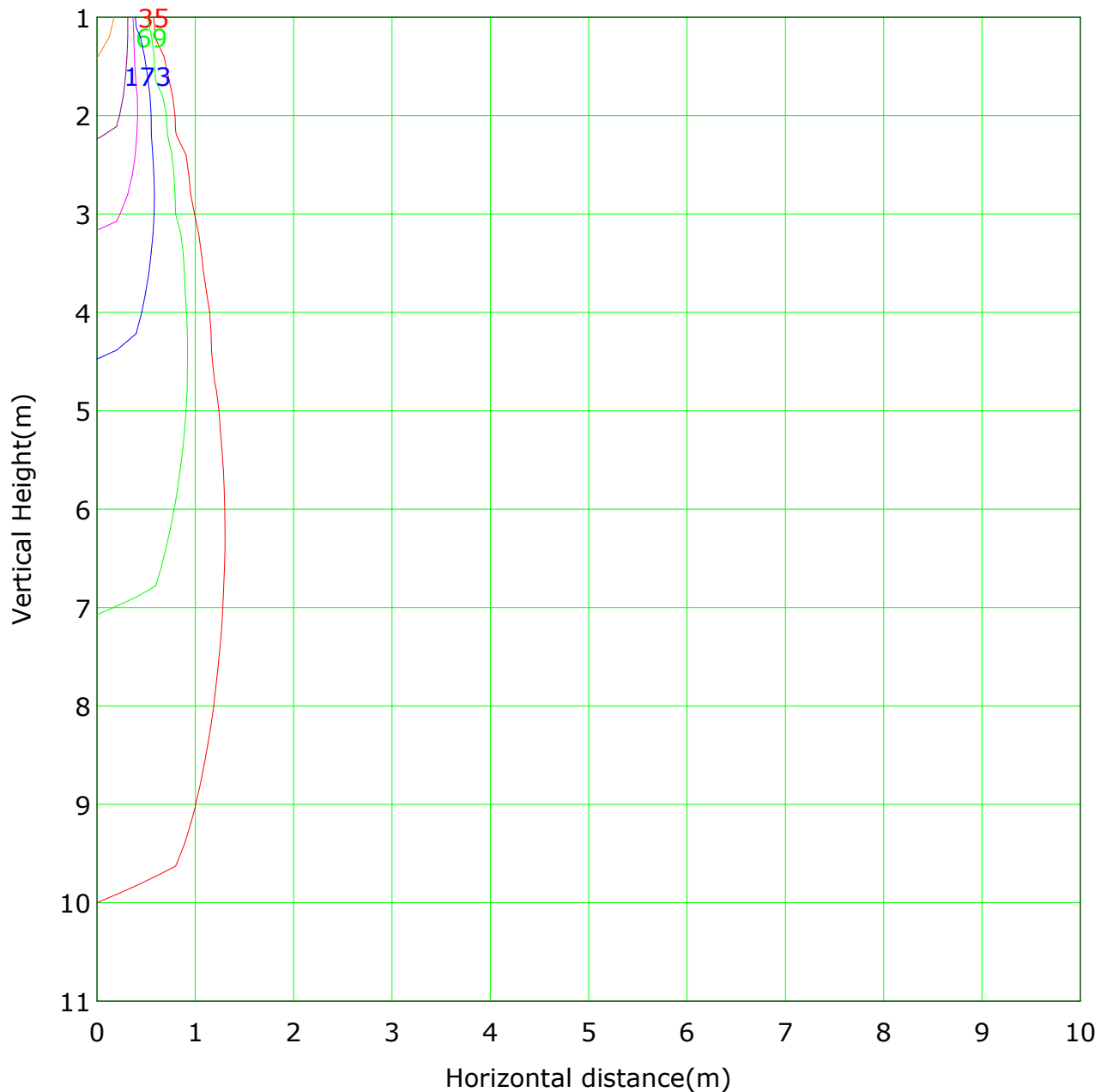
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



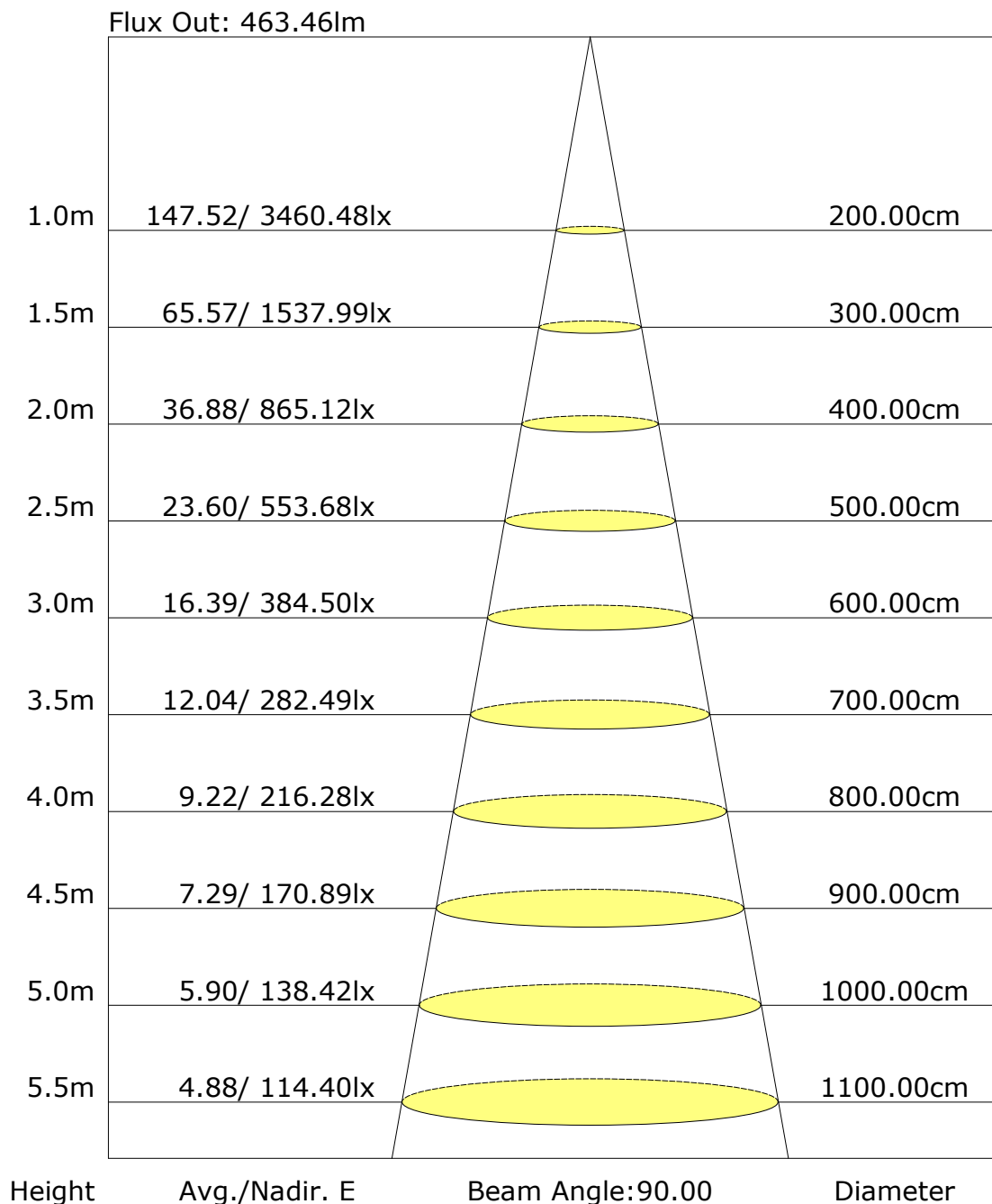
Lowest(m): 1m Highest(m): 11 Max Lux: 3460

(1%): 35 lx	(2%): 69 lx
(5%): 173 lx	(10%): 346 lx
(20%): 692 lx	(50%): 1730 lx
(100%): 3460 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: