

Report No.:56.05517 Recessed Downlight Test Time: 2023-06-30 21:29

Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Luminaire Description: FOS 65 50D

Voltage: 220.6 V

Power: 23.90 W

Lamp Description: Citizen 1204 3000K CRI90

Current: 0.112 A

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 1692.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H41.2

Vertical Diffuse Angle(50%): V41.2

Luminaire Efficacy Rating (LER): 71

Max. Intensity: 3360.19 cd

Total Rated Lamp Lumens: 1692.2 lm

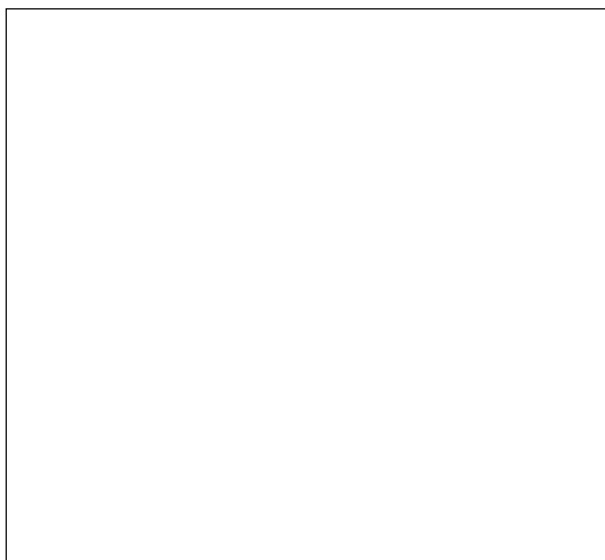
Efficiency: 100%

Upward Ratio: 0%

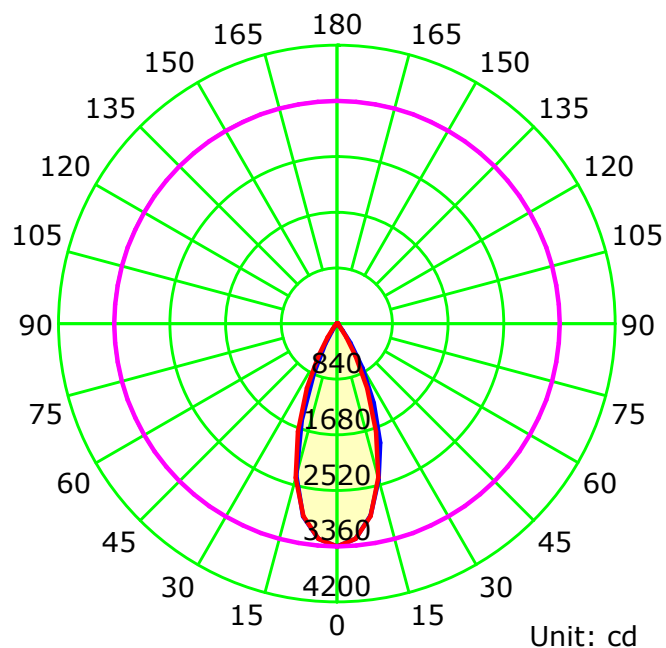
Central Intensity: 3360.19 cd

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

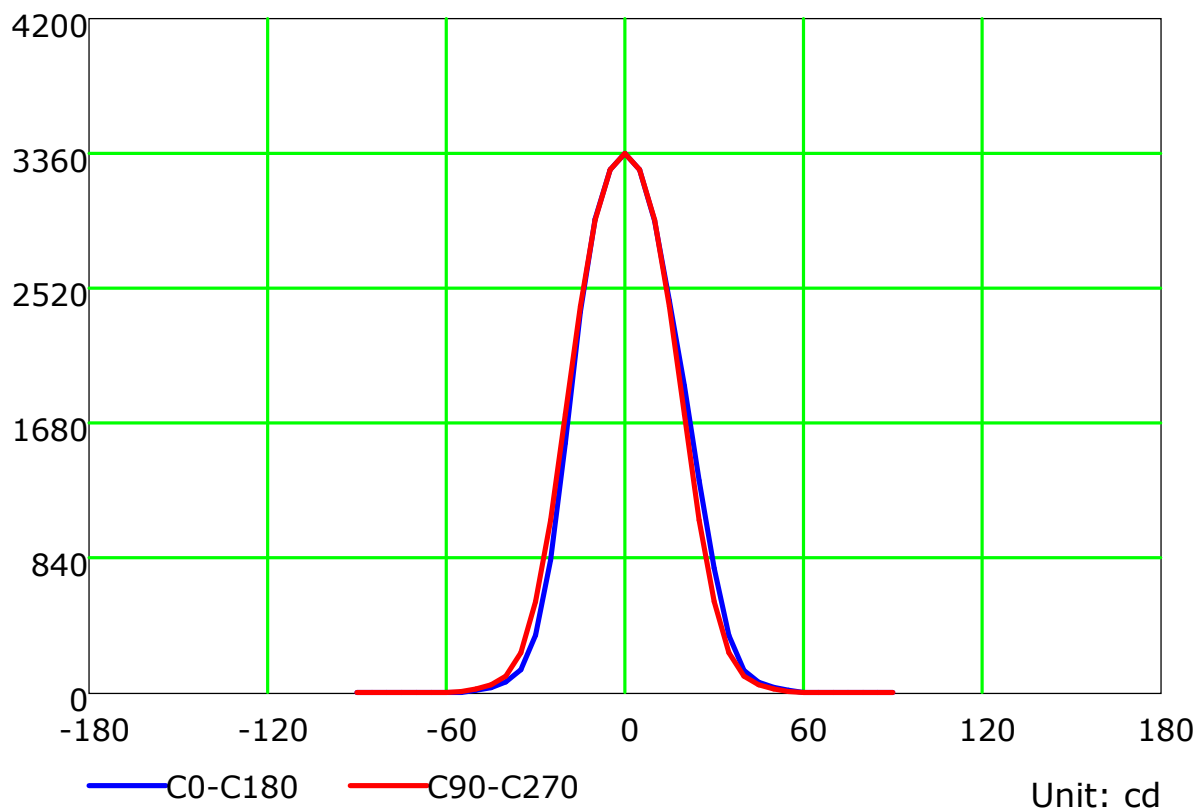
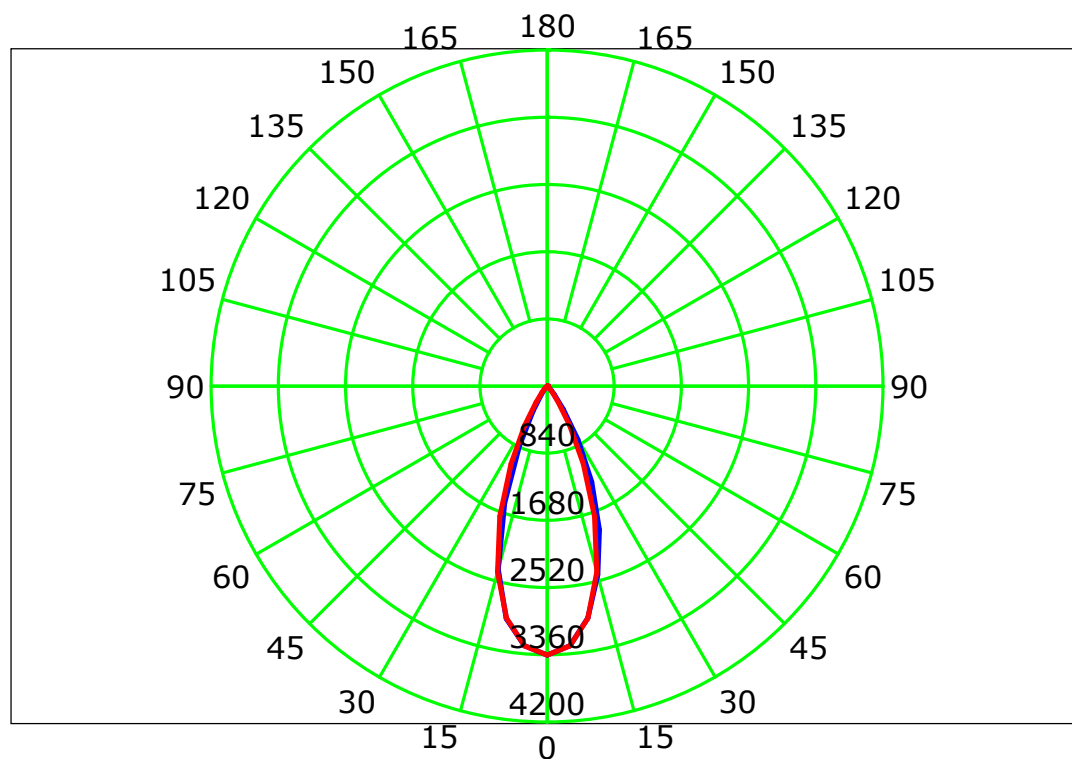
Test Device: CHL-6E

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

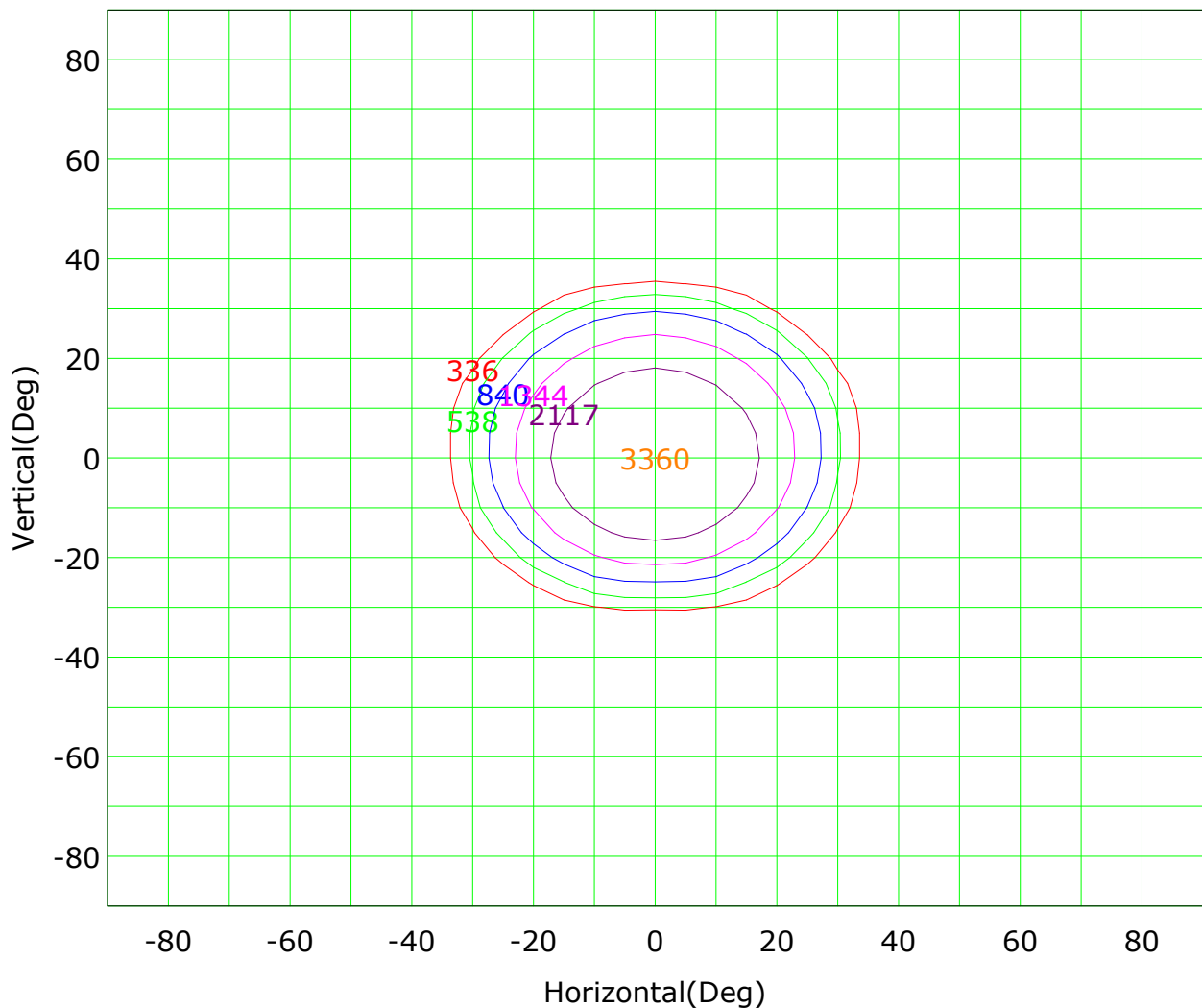
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 3360 cd

(10%): 336 cd	(16%): 538 cd
(25%): 840 cd	(40%): 1344 cd
(63%): 2117 cd	(100%): 3360 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

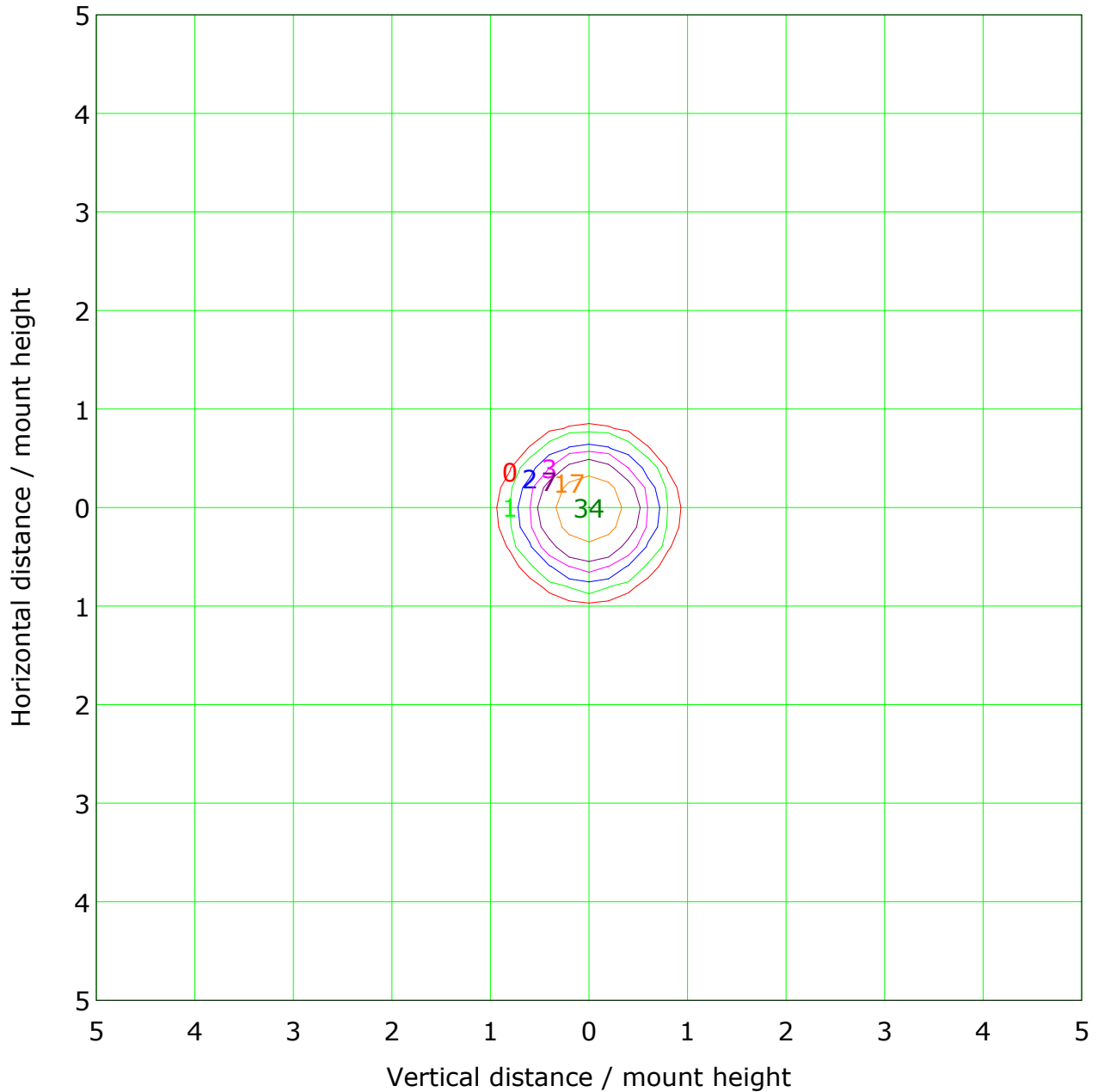
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



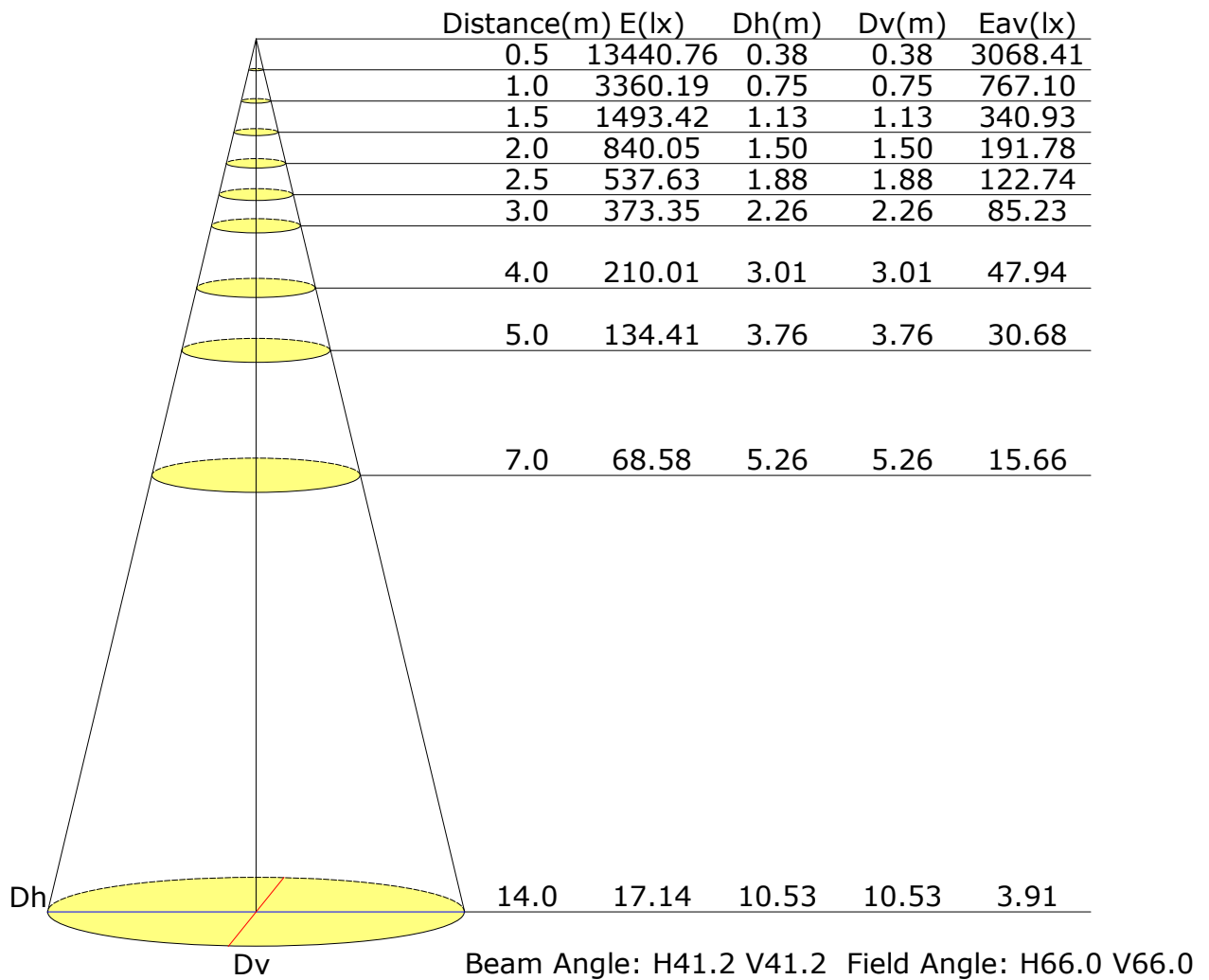
Mounting Height: 10m Max Lux(100%): 34 lx

(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	7 lx	(50%):	17 lx
(100%):	34 lx		

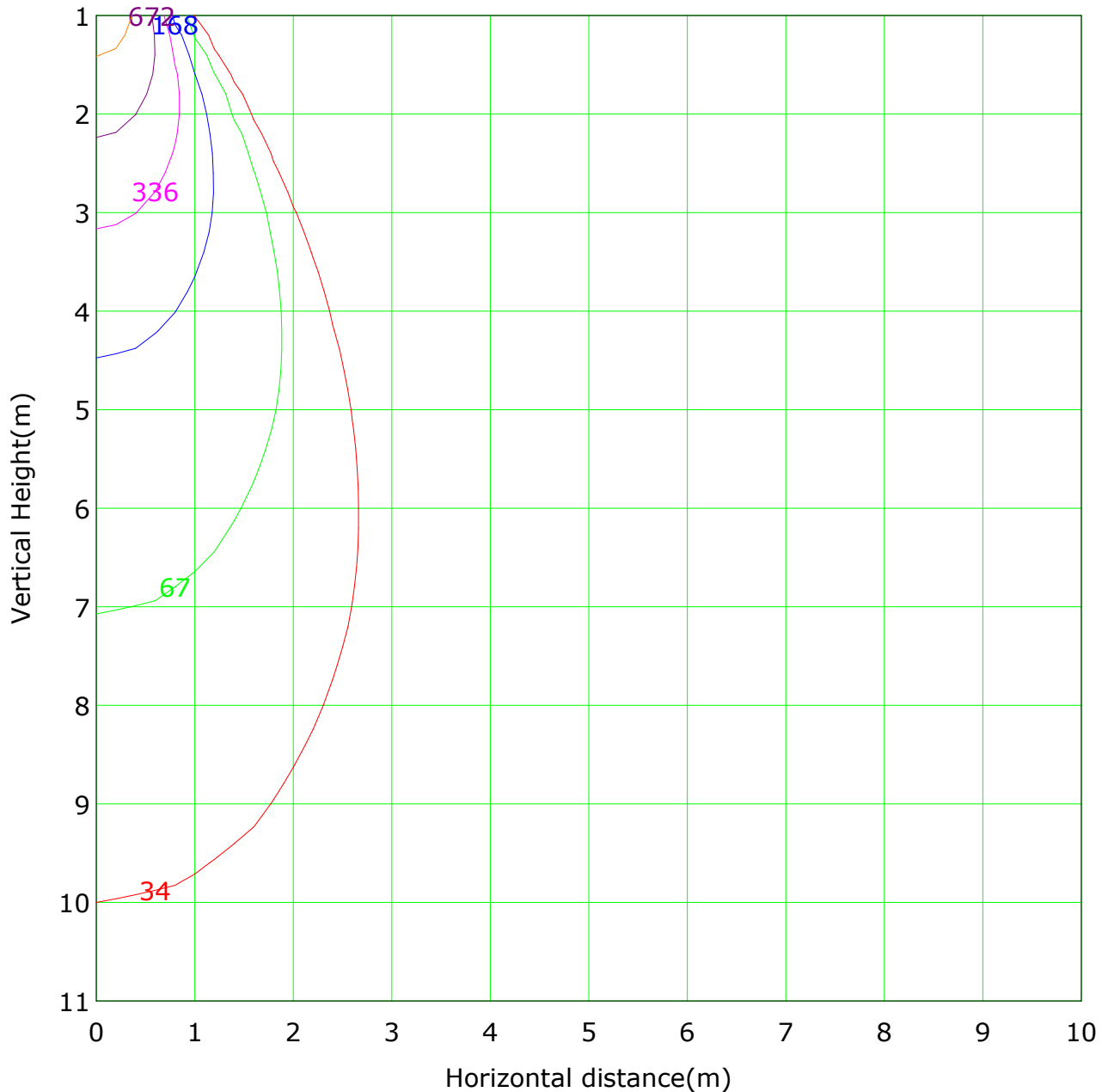
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



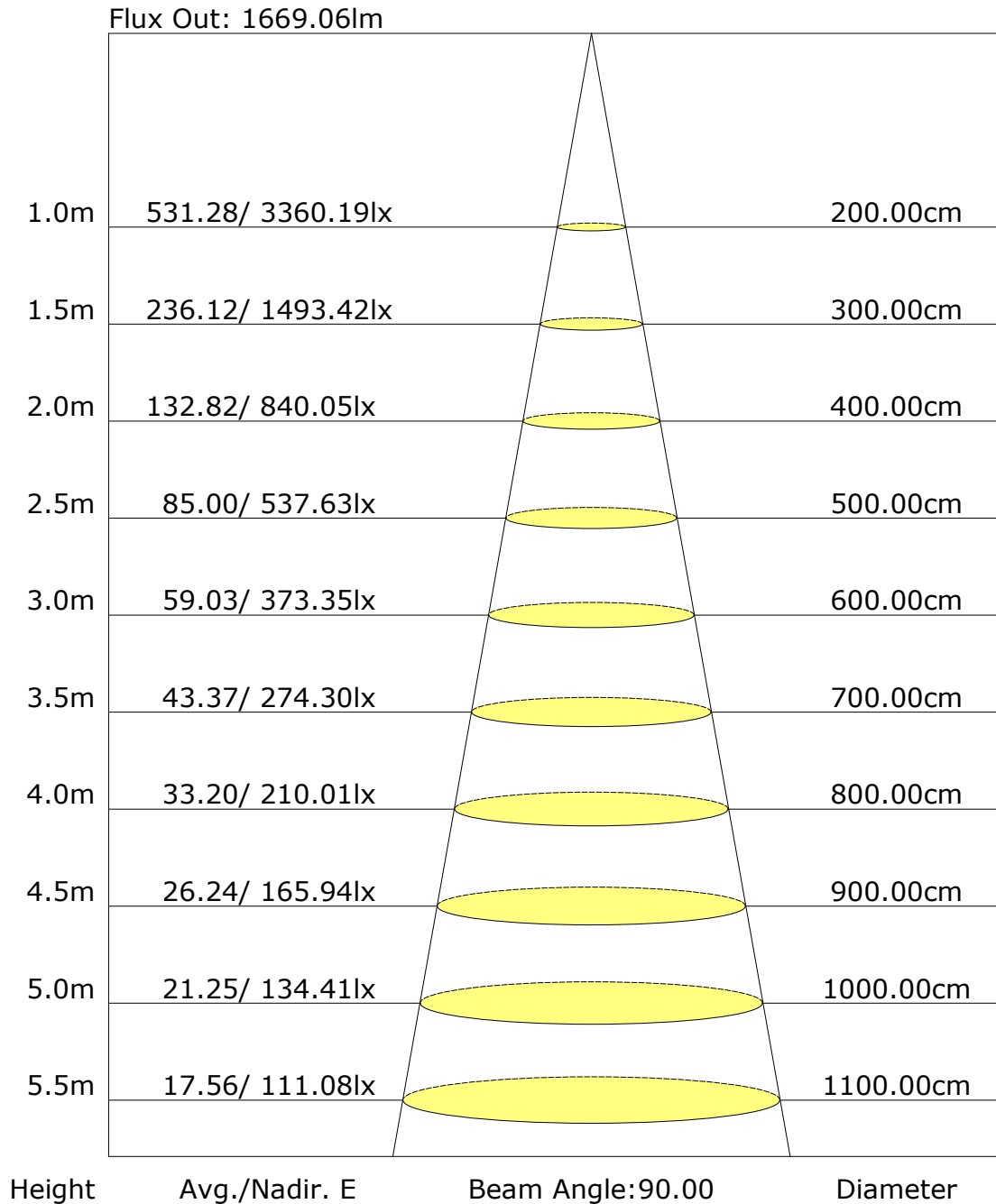
Lowest(m): 1m Highest(m): 11 Max Lux: 3360

(1%): 34 lx	(2%): 67 lx
(5%): 168 lx	(10%): 336 lx
(20%): 672 lx	(50%): 1680 lx
(100%): 3360 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: