

Report No.: 57.07502 SILO Downlight

Test Time: 2022-12-31 08:30

Luminaire Property

Luminaire Category:

Luminaire Description: Citizen 1203 3000K CVoltage: 211.4 V

Current: 0.111 A

Power: 14.90 W

Power Factor: 0.632

Photometric Results

CIE Class: Direct

Measurement Flux: 1166.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H21.2

Vertical Diffuse Angle(50%): V21.2

Luminaire Efficacy Rating (LER): 78

Max. Intensity: 6544.11 cd

Total Rated Lamp Lumens: 1166.6 lm

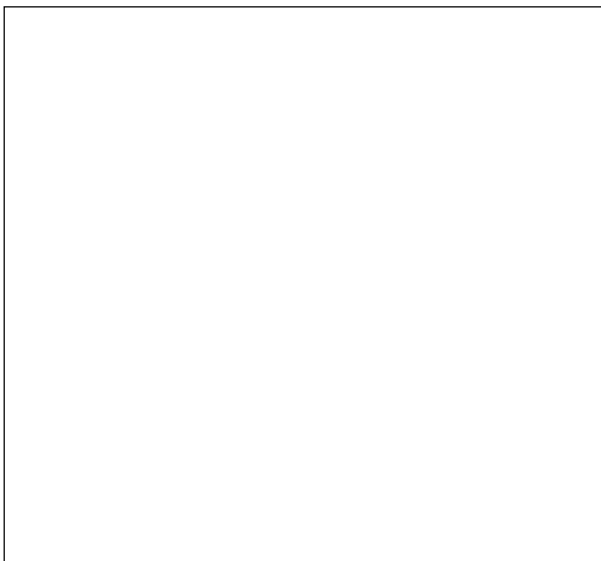
Efficiency: 100%

Upward Ratio: 0%

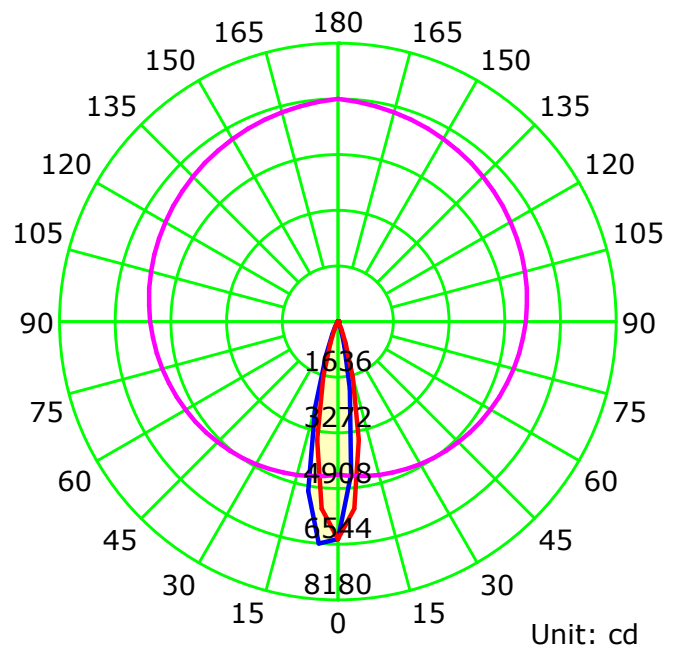
Central Intensity: 6389.12 cd

Pos of Max. Intensity: H180 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

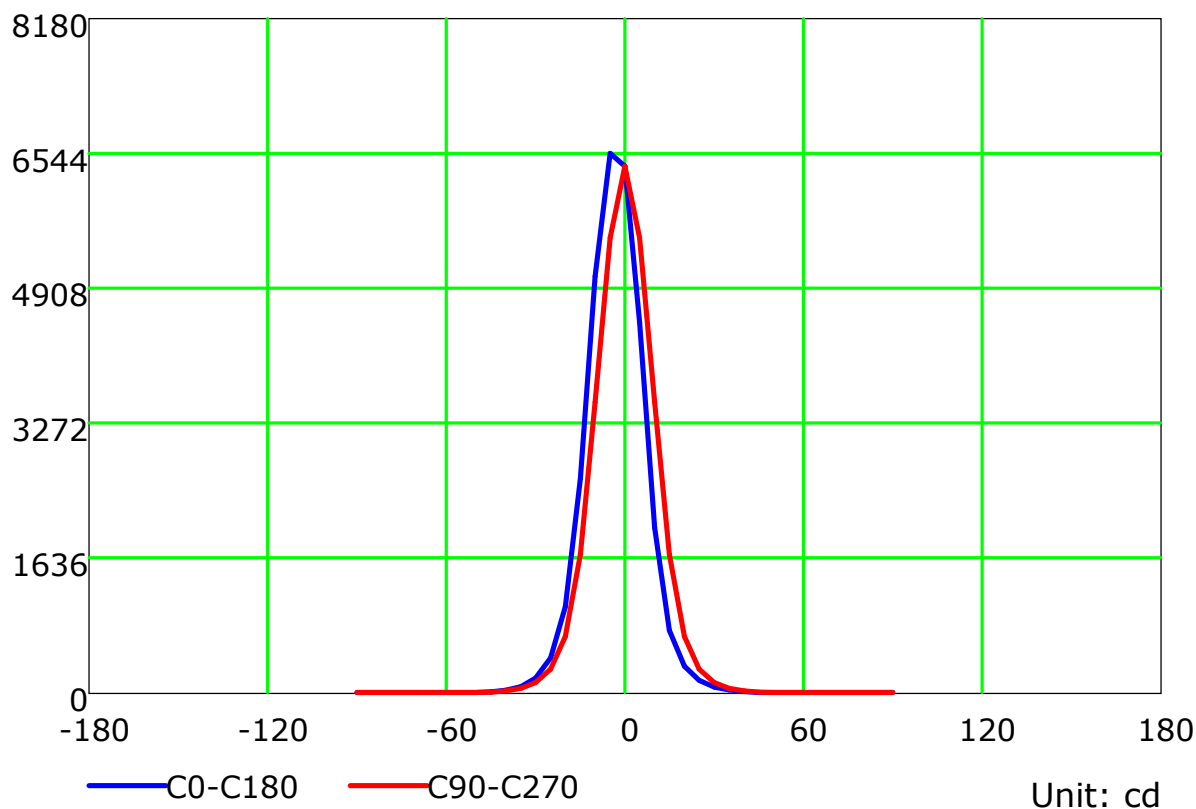
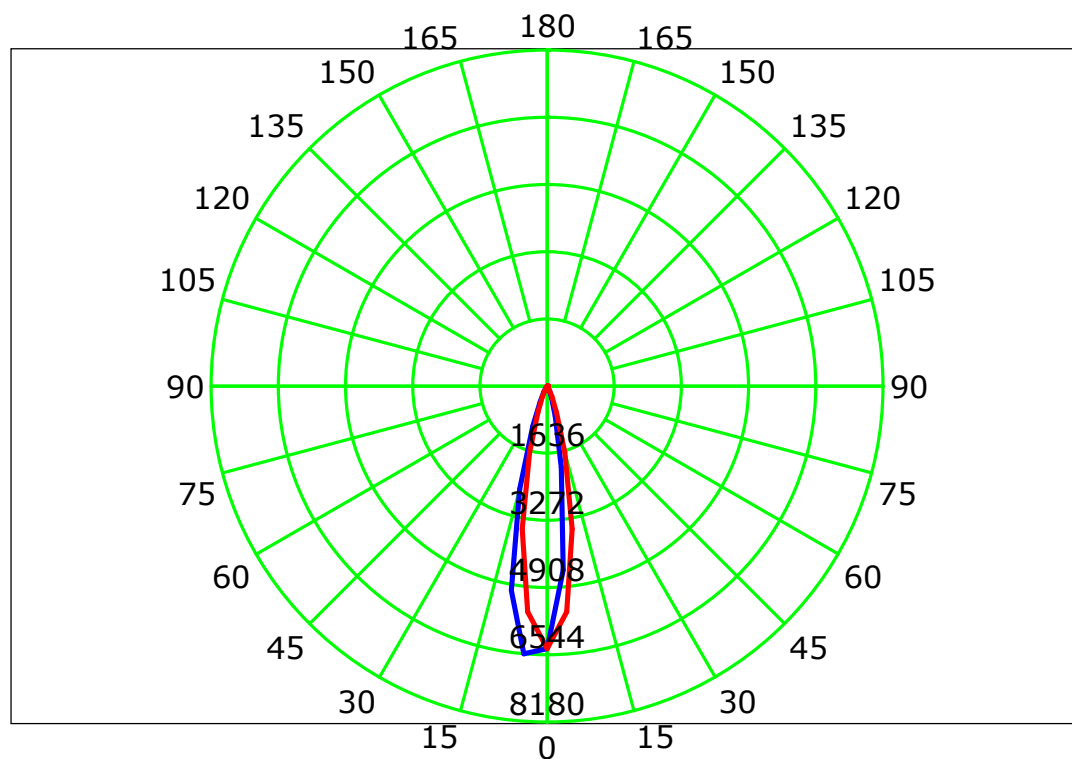
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

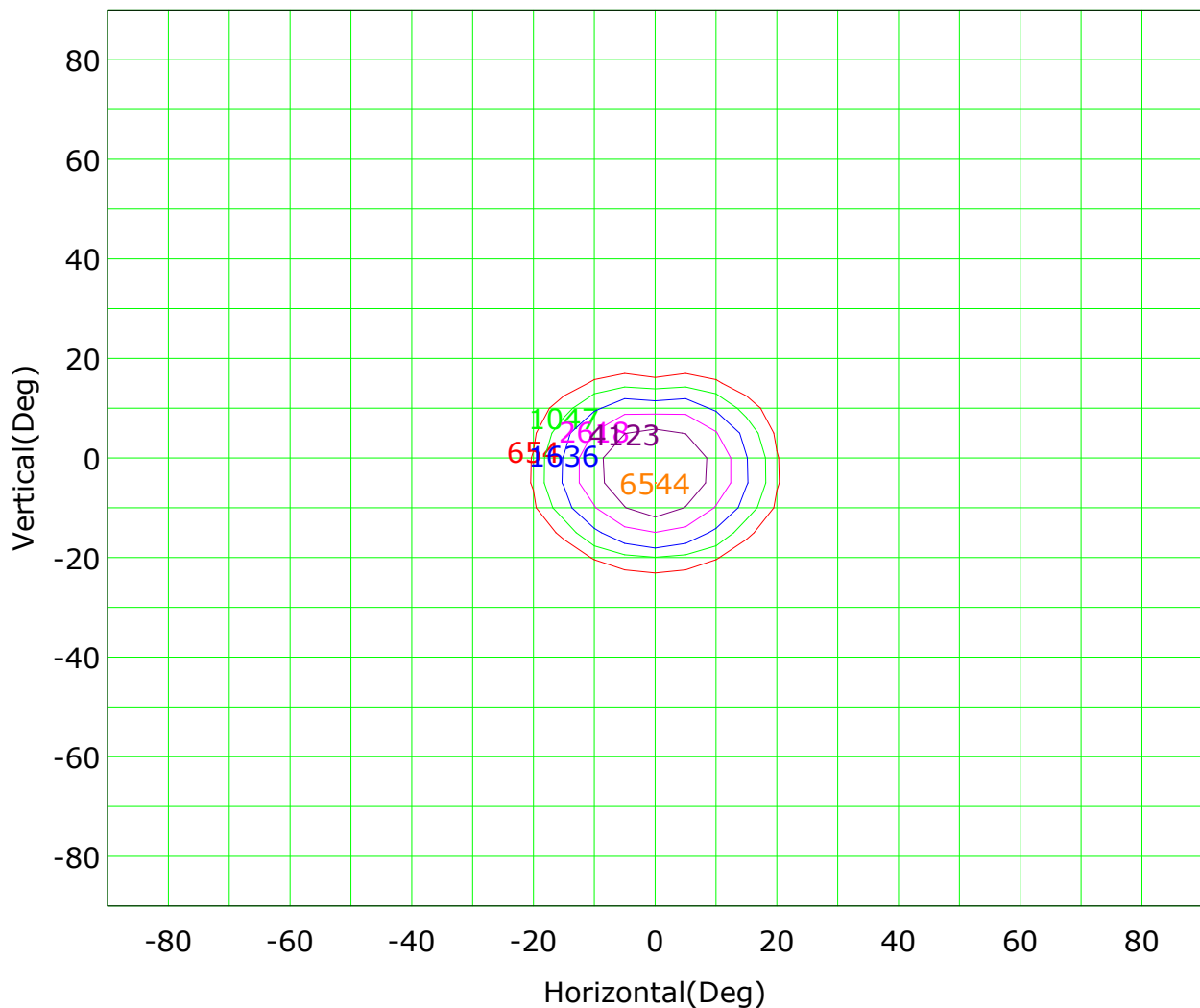
Luminous Intensity Distribution Curve



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%): 6544 cd

(10%): 654 cd	(16%): 1047 cd
(25%): 1636 cd	(40%): 2618 cd
(63%): 4123 cd	(100%): 6544 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

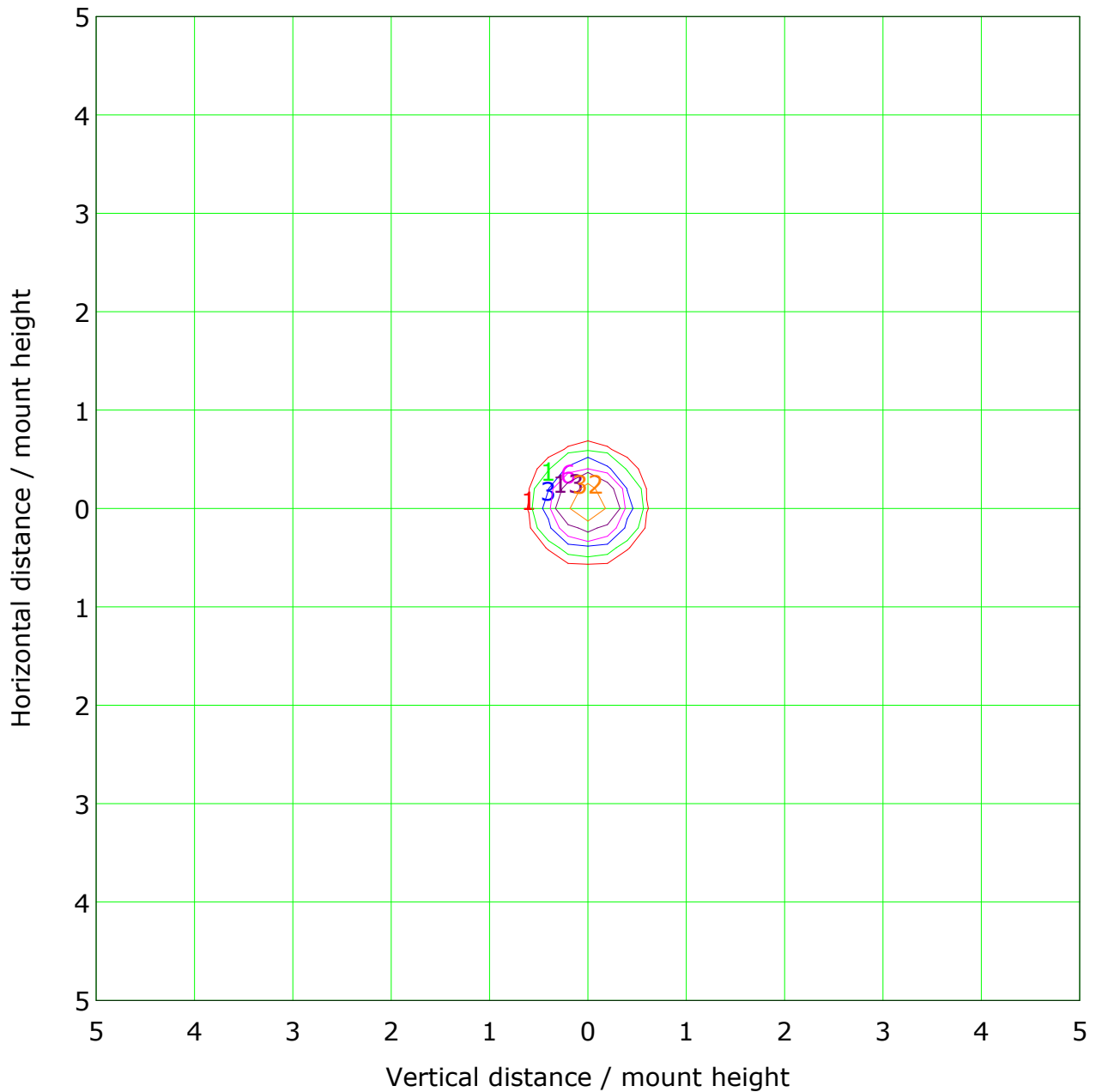
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

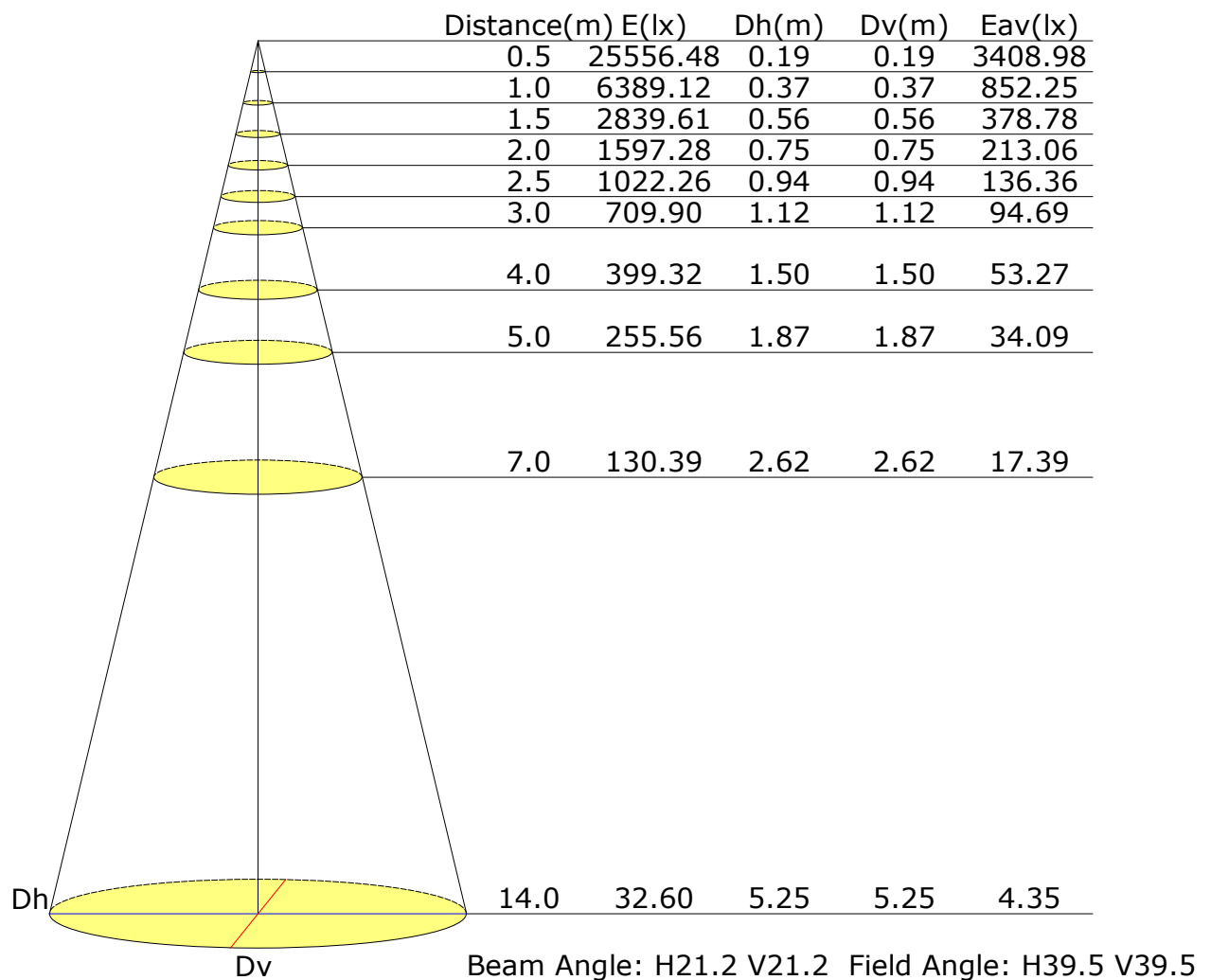


Mounting Height: 10m		Max Lux(100%): 65 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	6 lx
(20%):	13 lx	(50%):	32 lx
(100%):	65 lx		

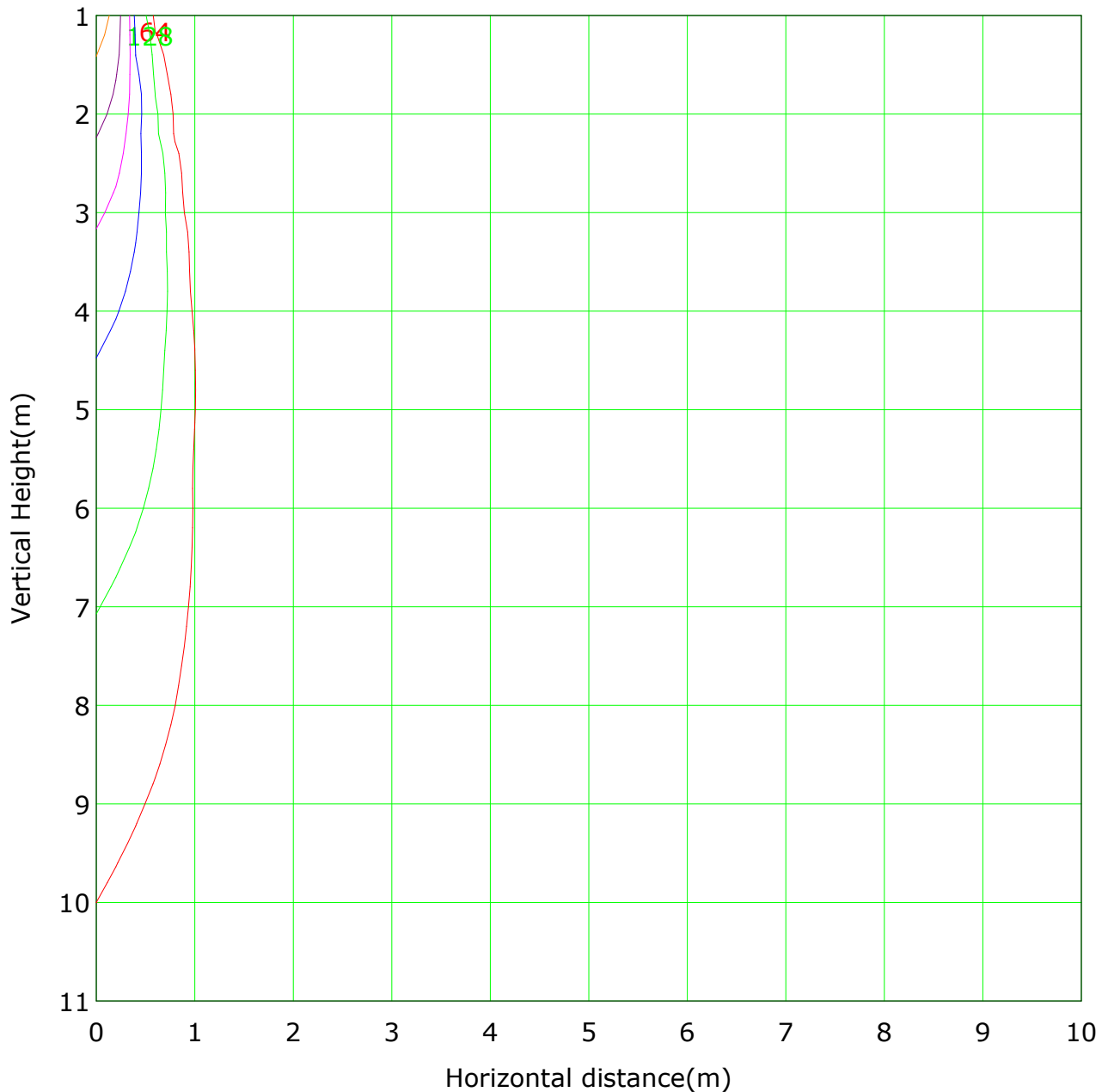
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



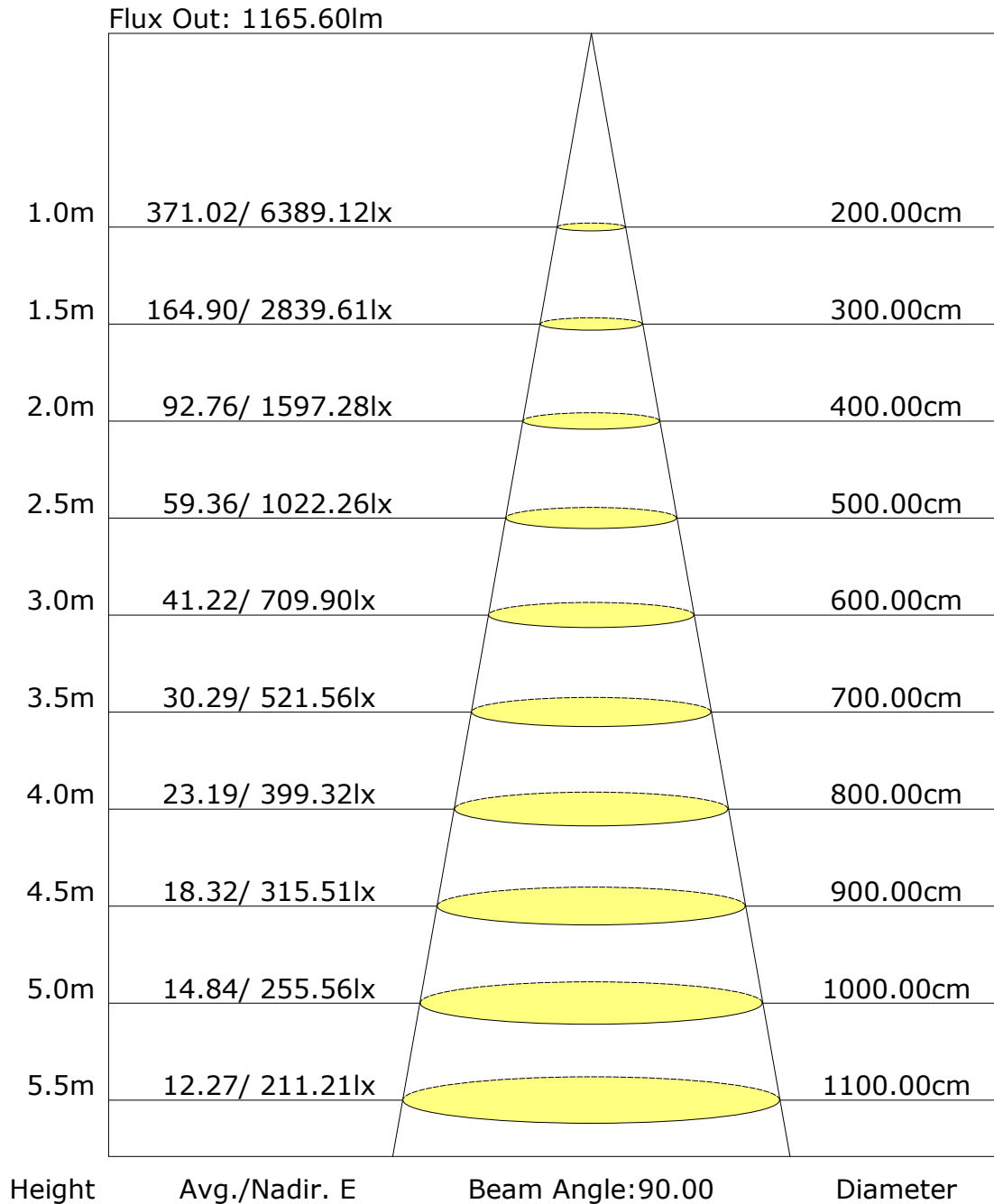
Lowest(m): 1m Highest(m): 11 Max Lux: 6389

(1%): 64 lx	(2%): 128 lx
(5%): 319 lx	(10%): 639 lx
(20%): 1278 lx	(50%): 3195 lx
(100%): 6389 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]

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:

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: