

Report No.: 52.05518 SILO Downlight

Test Time: 2022-12-31 08:17

Luminaire Property

Luminaire Category: Citizen 701 3000K CRI90

Voltage: 216.3 V

Current: 0.080 A

Power: 9.10 W

Power Factor: 0.515

Photometric Results

CIE Class: Direct

Measurement Flux: 681.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H29.6

Vertical Diffuse Angle(50%): V29.6

Luminaire Efficacy Rating (LER): 75

Max. Intensity: 2275.3 cd

Total Rated Lamp Lumens: 681.6 lm

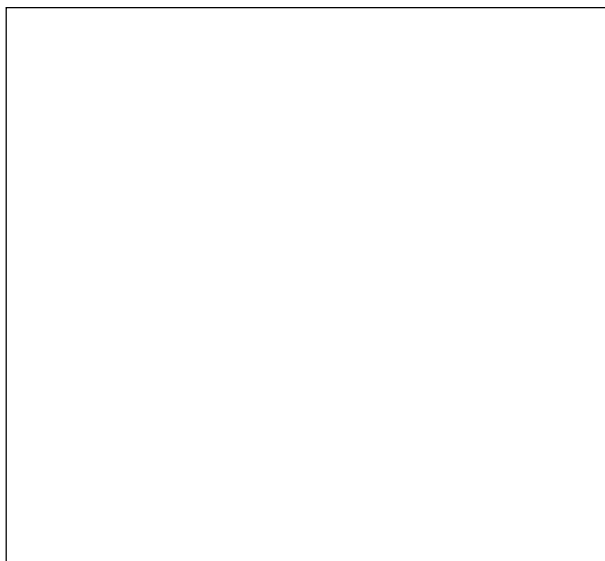
Efficiency: 100%

Upward Ratio: 0%

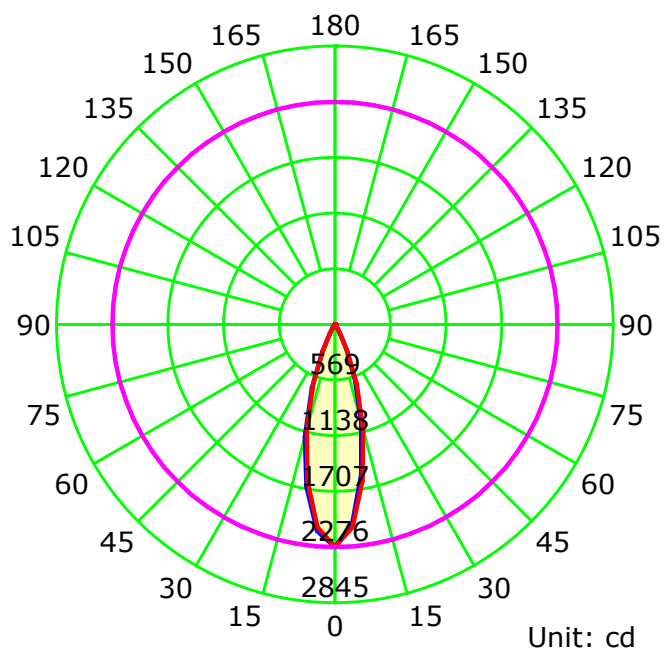
Central Intensity: 2275.29 cd

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

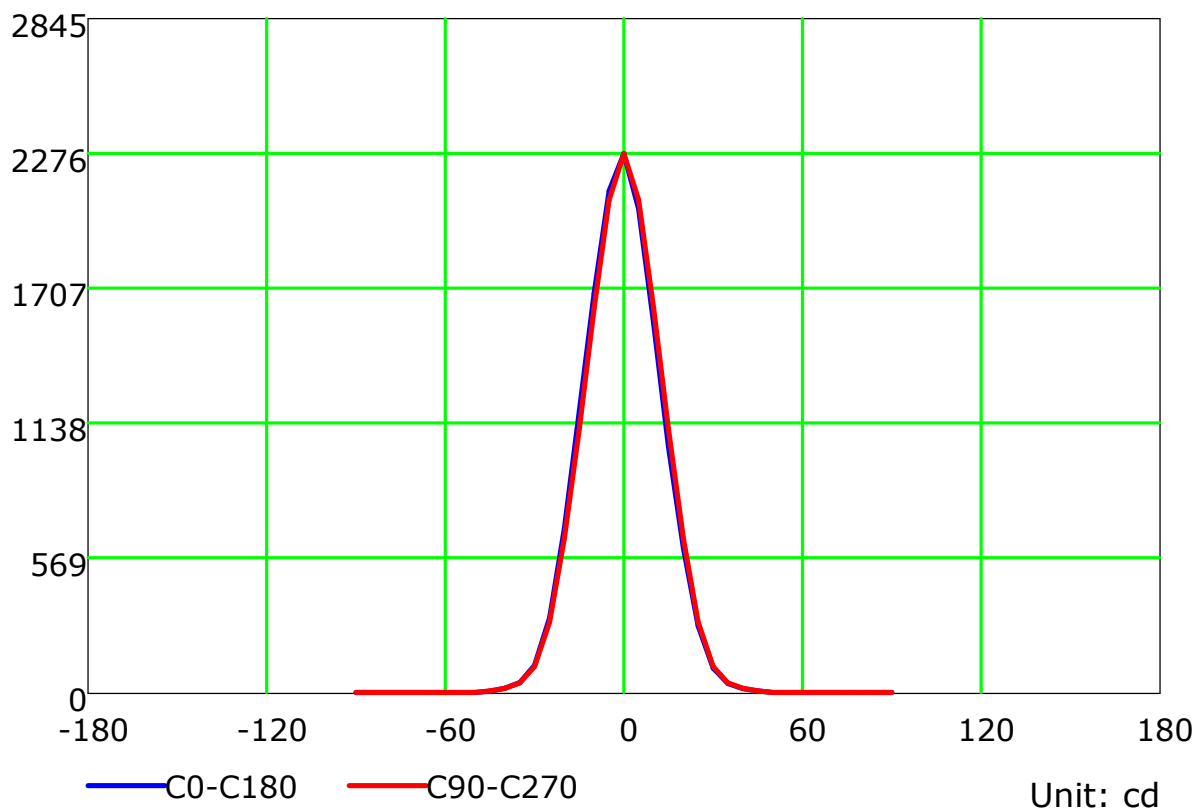
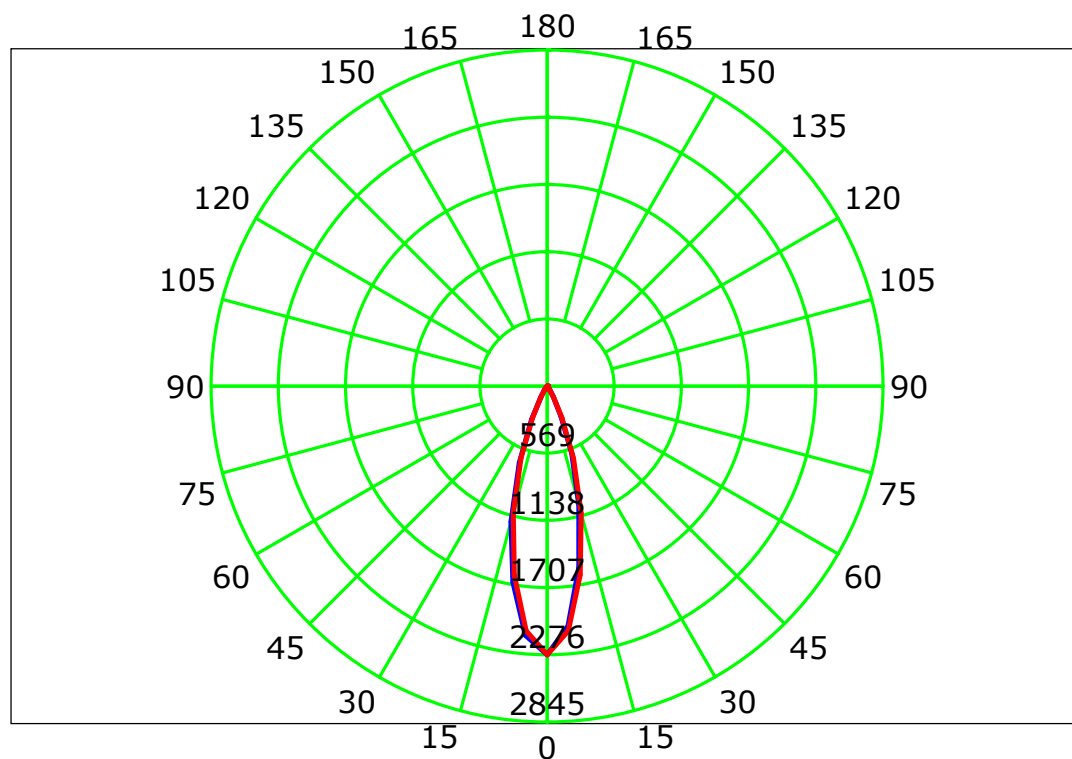
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

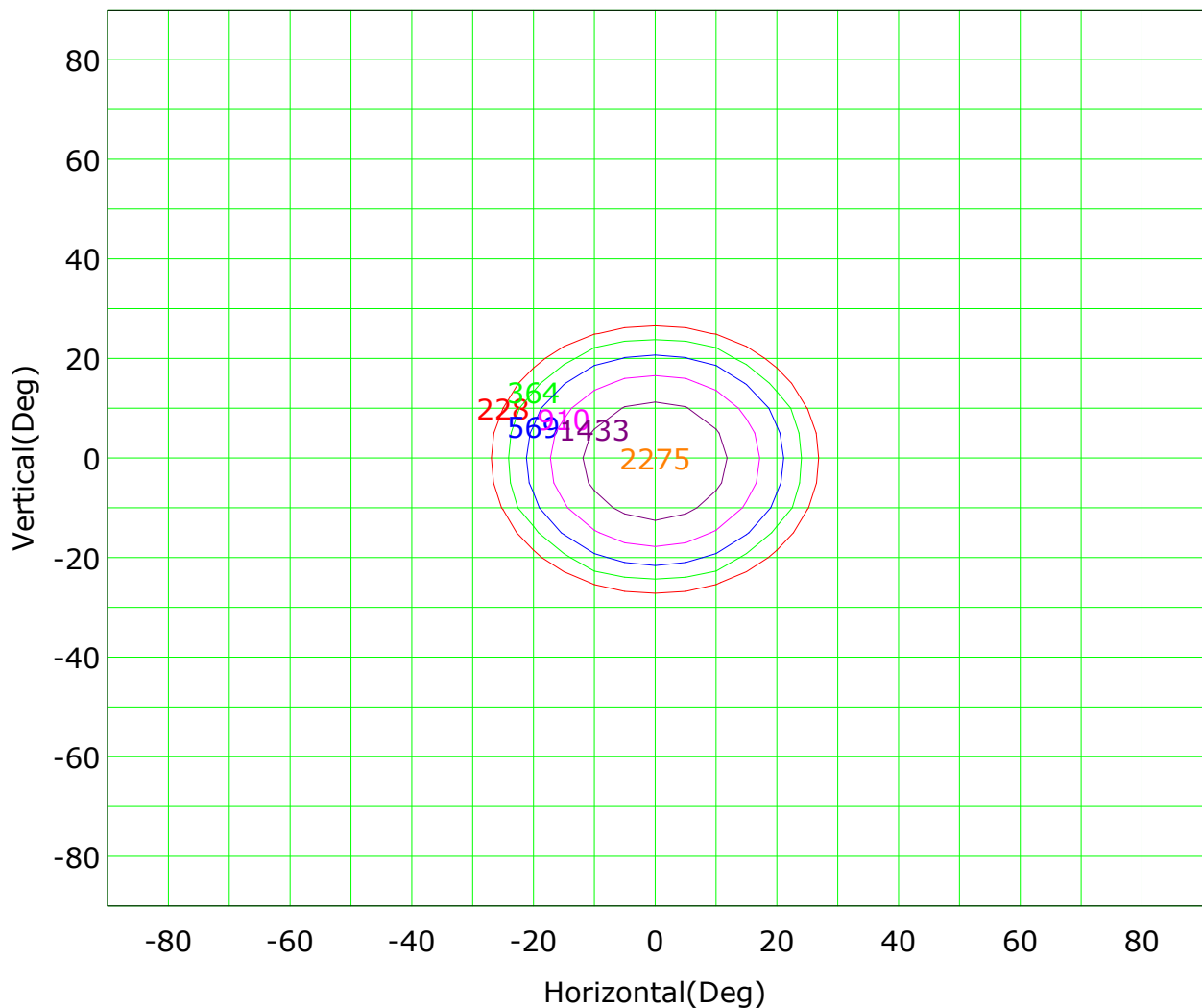
Luminous Intensity Distribution Curve



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%): 2275 cd

(10%): 228 cd	(16%): 364 cd
(25%): 569 cd	(40%): 910 cd
(63%): 1433 cd	(100%): 2275 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

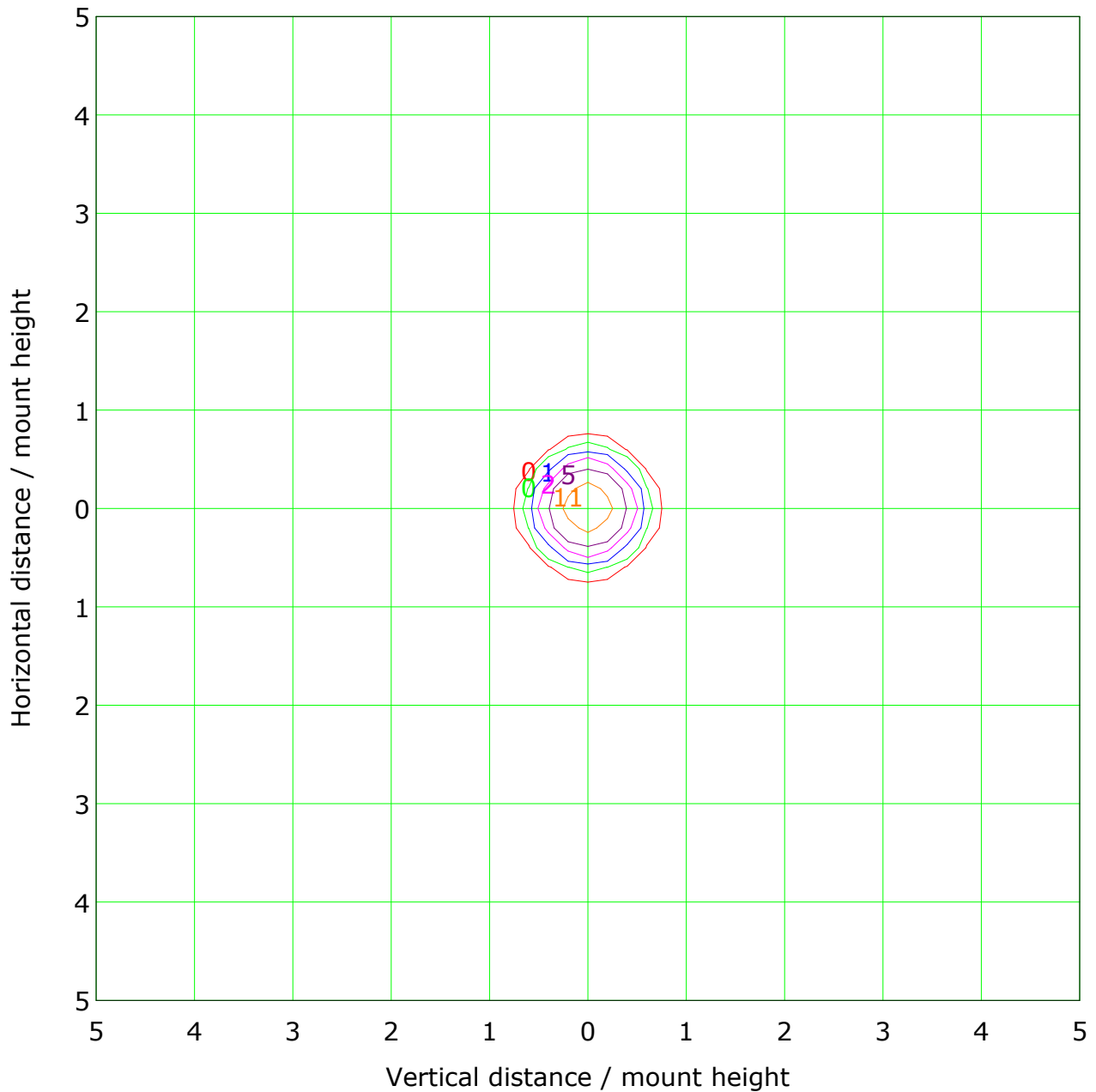
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

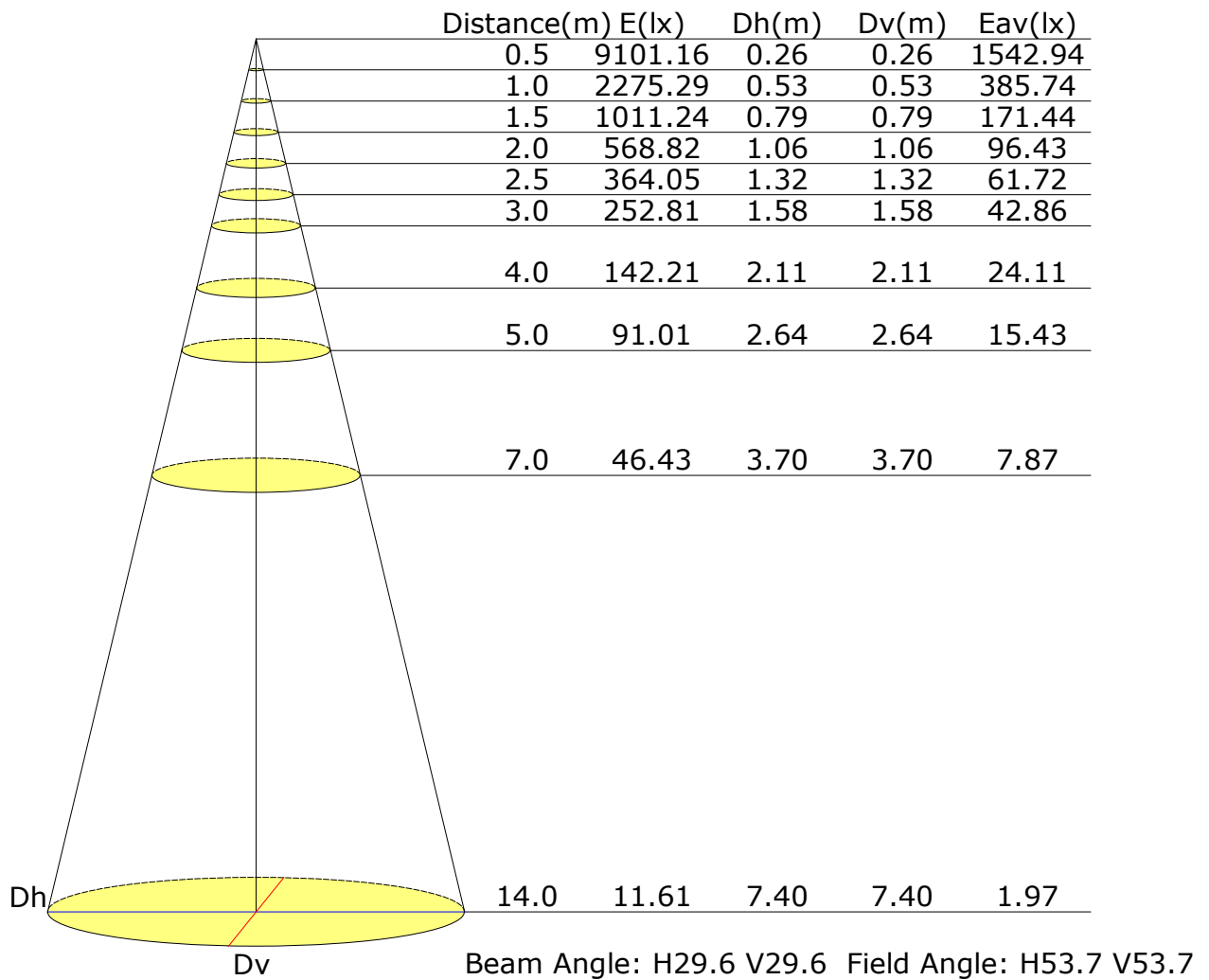


Mounting Height: 10m Max Lux(100%): 23 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	5 lx	— (50%):	11 lx
— (100%):	23 lx		

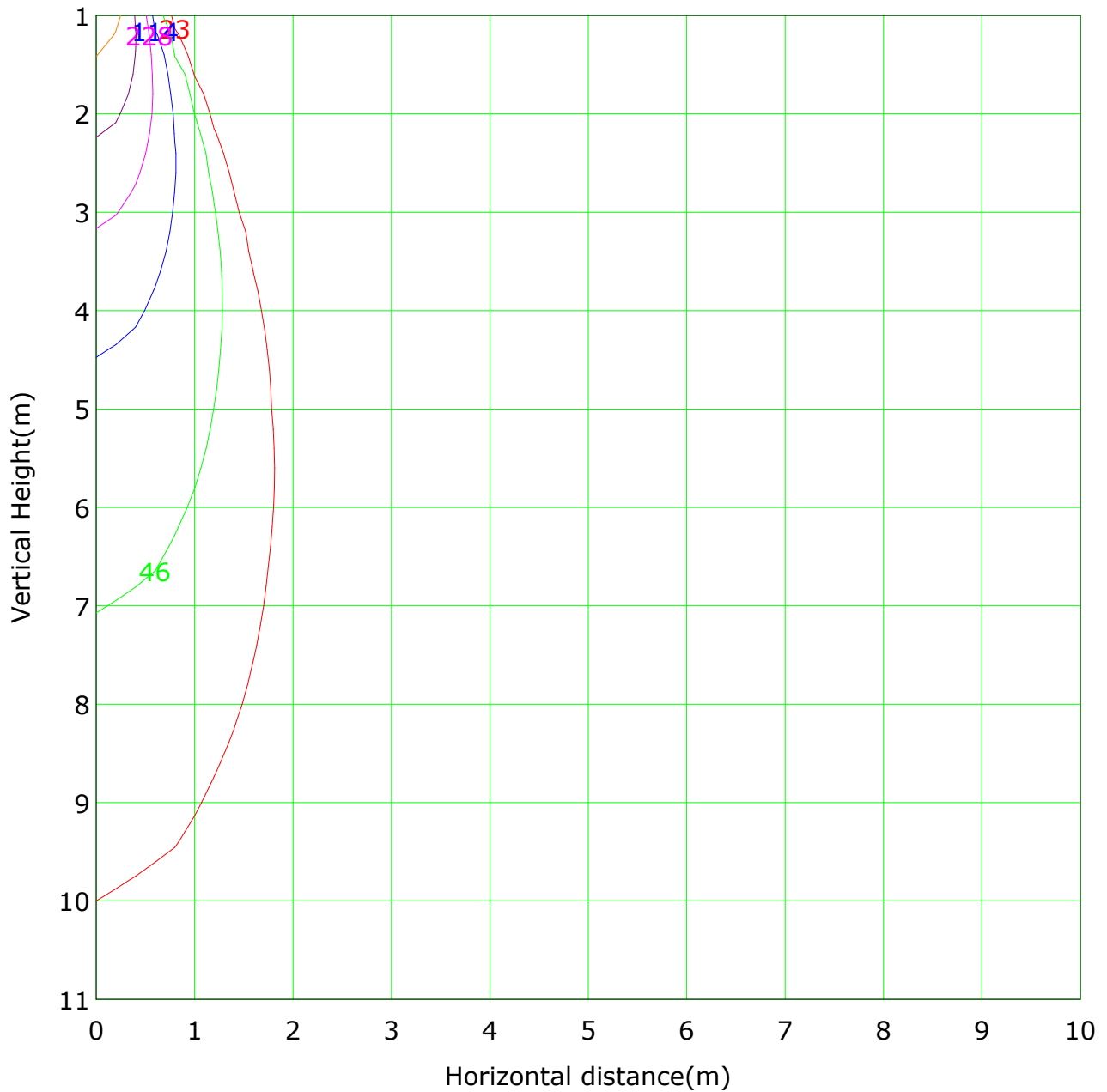
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



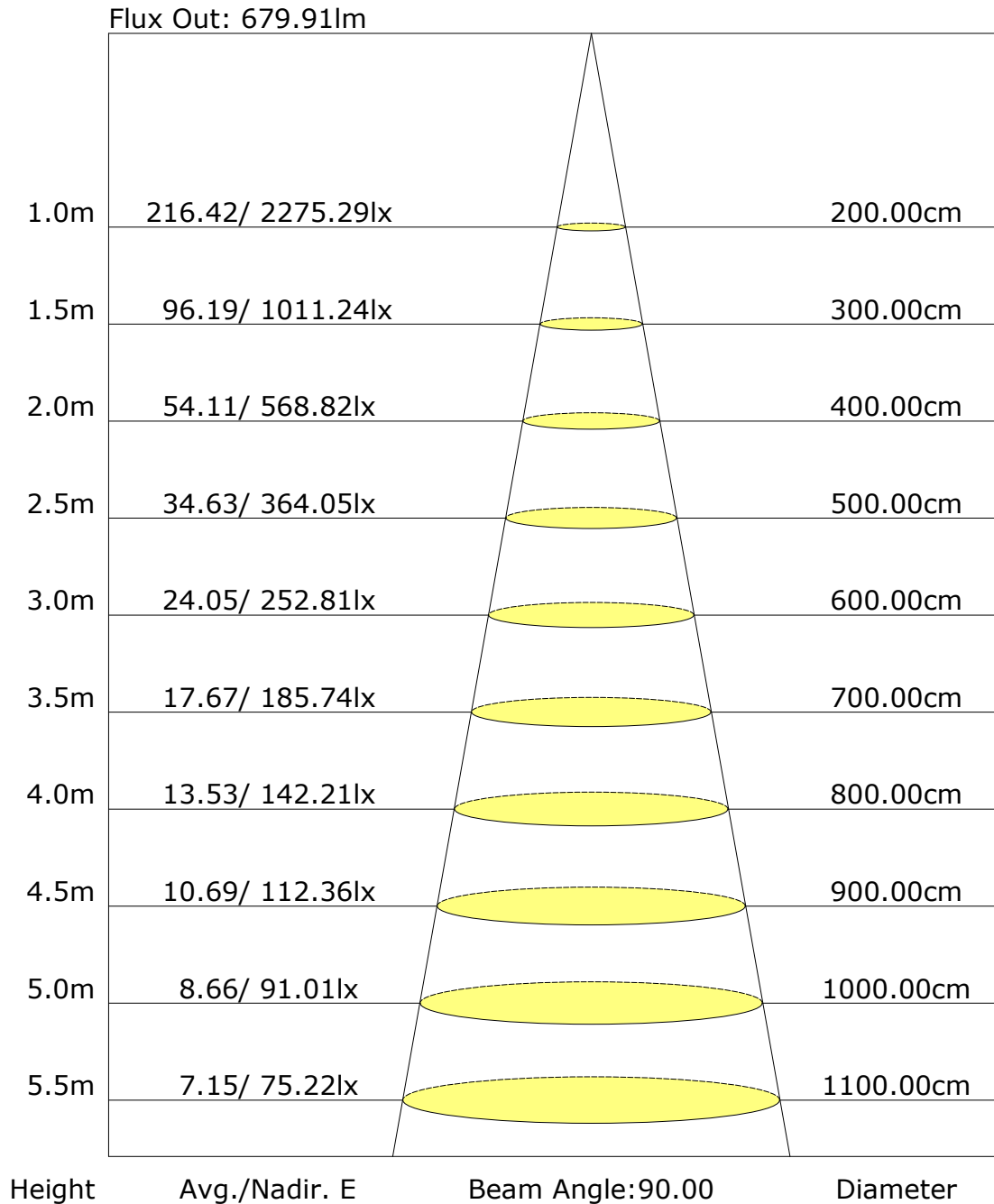
Lowest(m): 1m Highest(m): 11 Max Lux: 2275

(1%): 23 lx	(2%): 46 lx
(5%): 114 lx	(10%): 228 lx
(20%): 455 lx	(50%): 1138 lx
(100%): 2275 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: