

Report No.: 52.05518 SILO Downlight

Test Time: 2022-12-30 09:36

Luminaire Property

Luminaire Category: Citizen 701 3000K CRI90

Voltage: 207.3 V

Power: 9.10 W

Current: 0.082 A

Power Factor: 0.539

Photometric Results

CIE Class: Direct

Measurement Flux: 677.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24

Vertical Diffuse Angle(50%): V24

Luminaire Efficacy Rating (LER): 74

Max. Intensity: 3279.15 cd

Total Rated Lamp Lumens: 677.2 lm

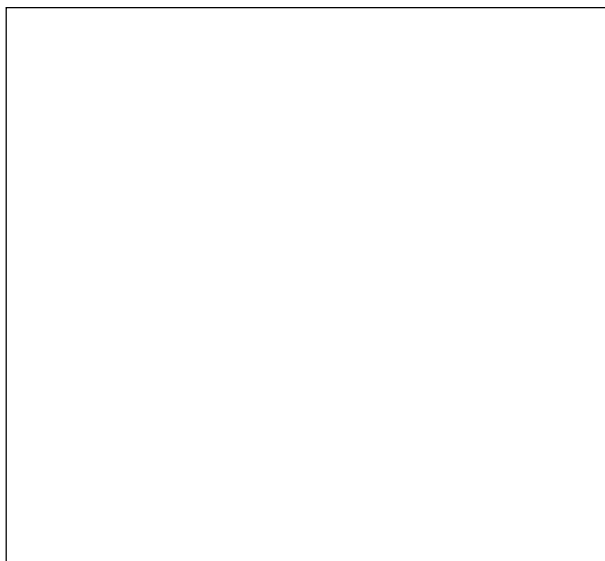
Efficiency: 100%

Upward Ratio: 0%

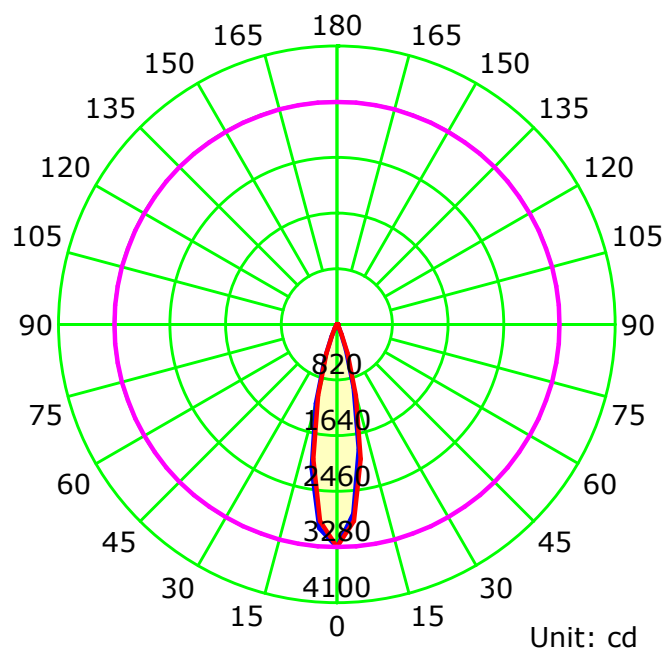
Central Intensity: 3279.15 cd

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

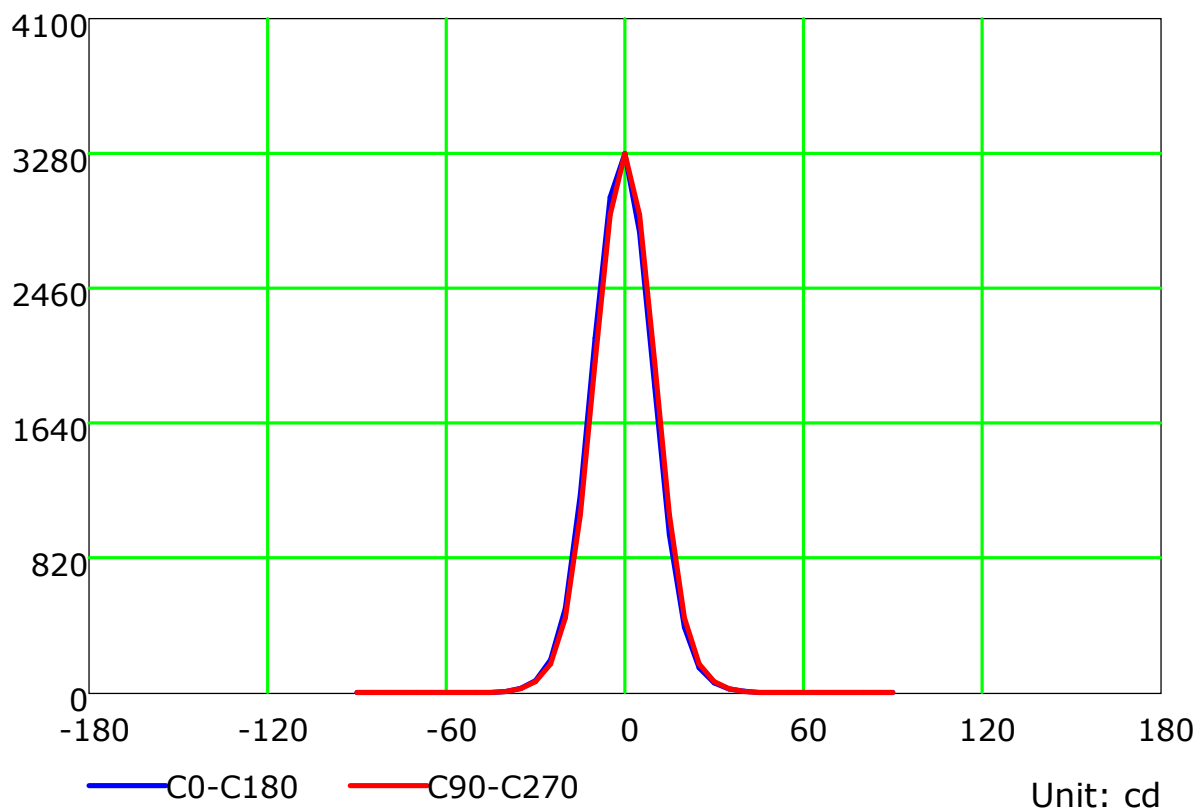
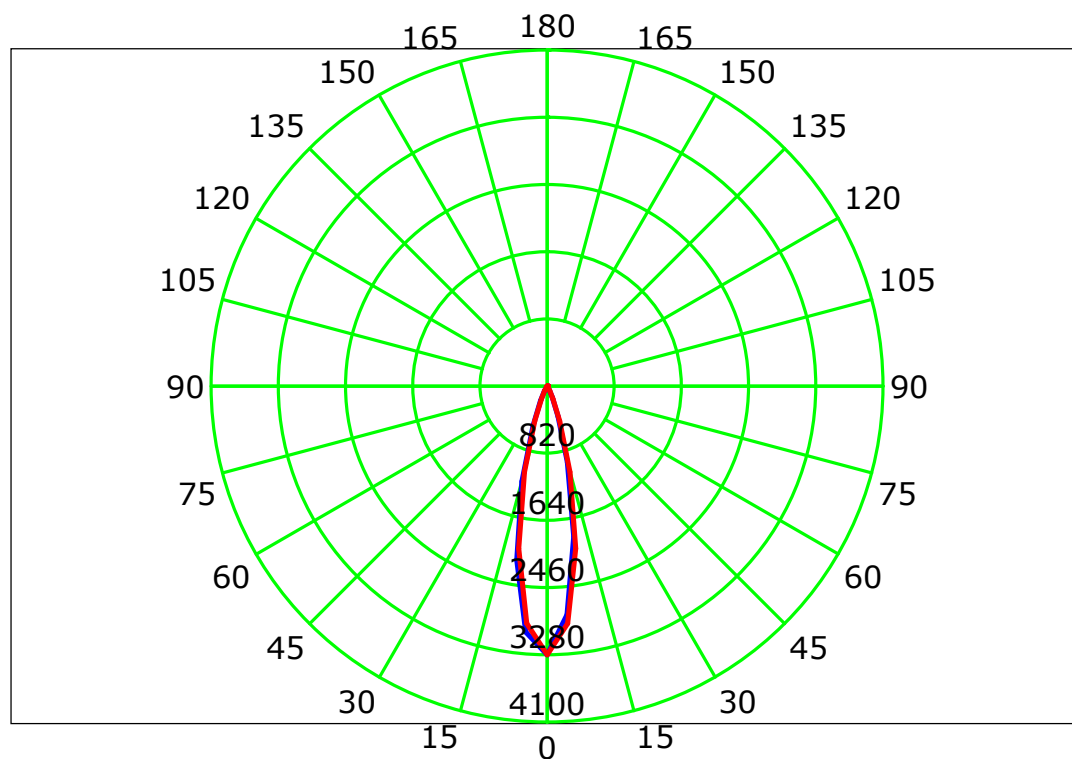
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

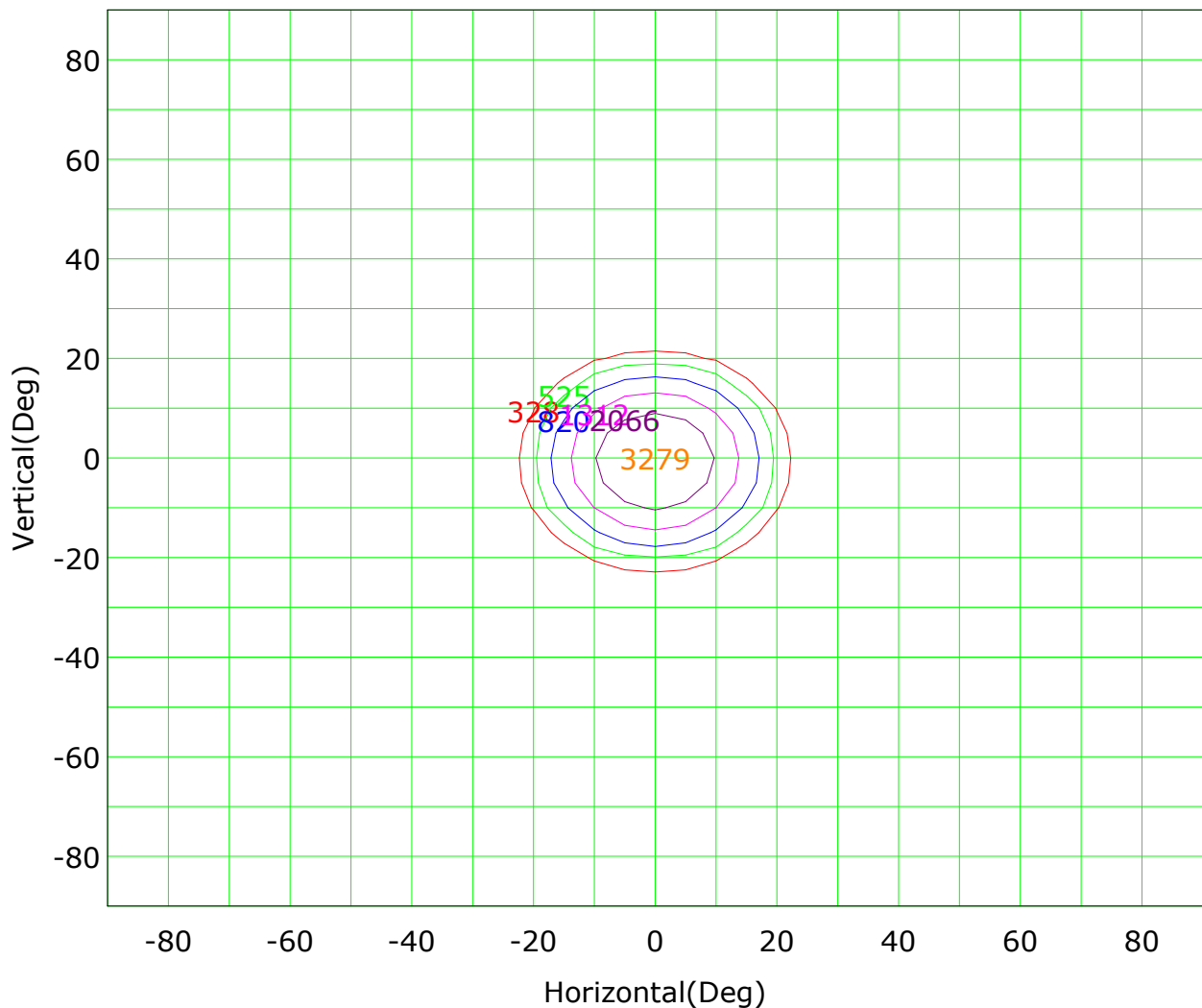
Luminous Intensity Distribution Curve



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%): 3279 cd

(10%): 328 cd	(16%): 525 cd
(25%): 820 cd	(40%): 1312 cd
(63%): 2066 cd	(100%): 3279 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

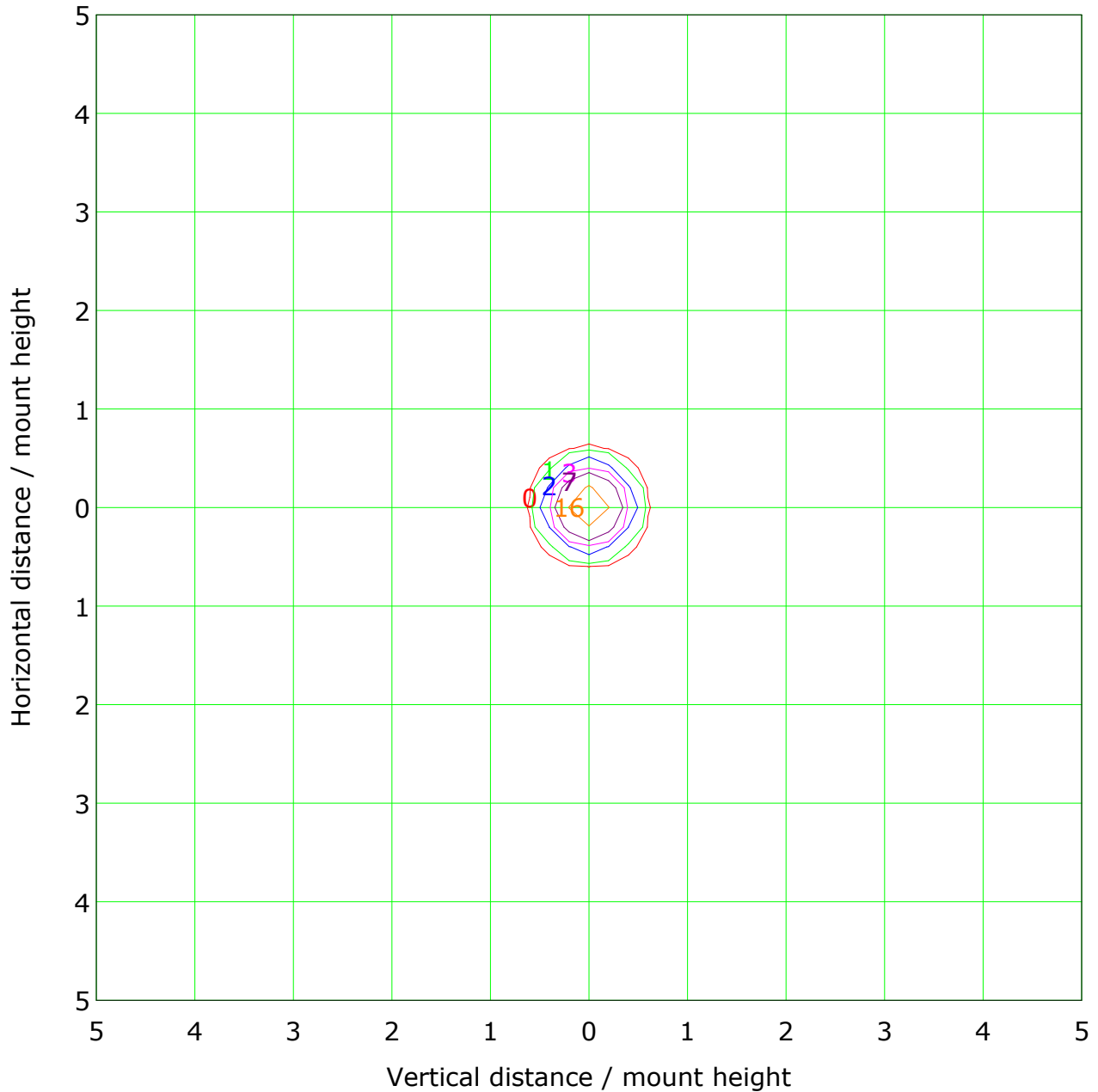
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 33 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	7 lx	(50%):	16 lx
(100%):	33 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

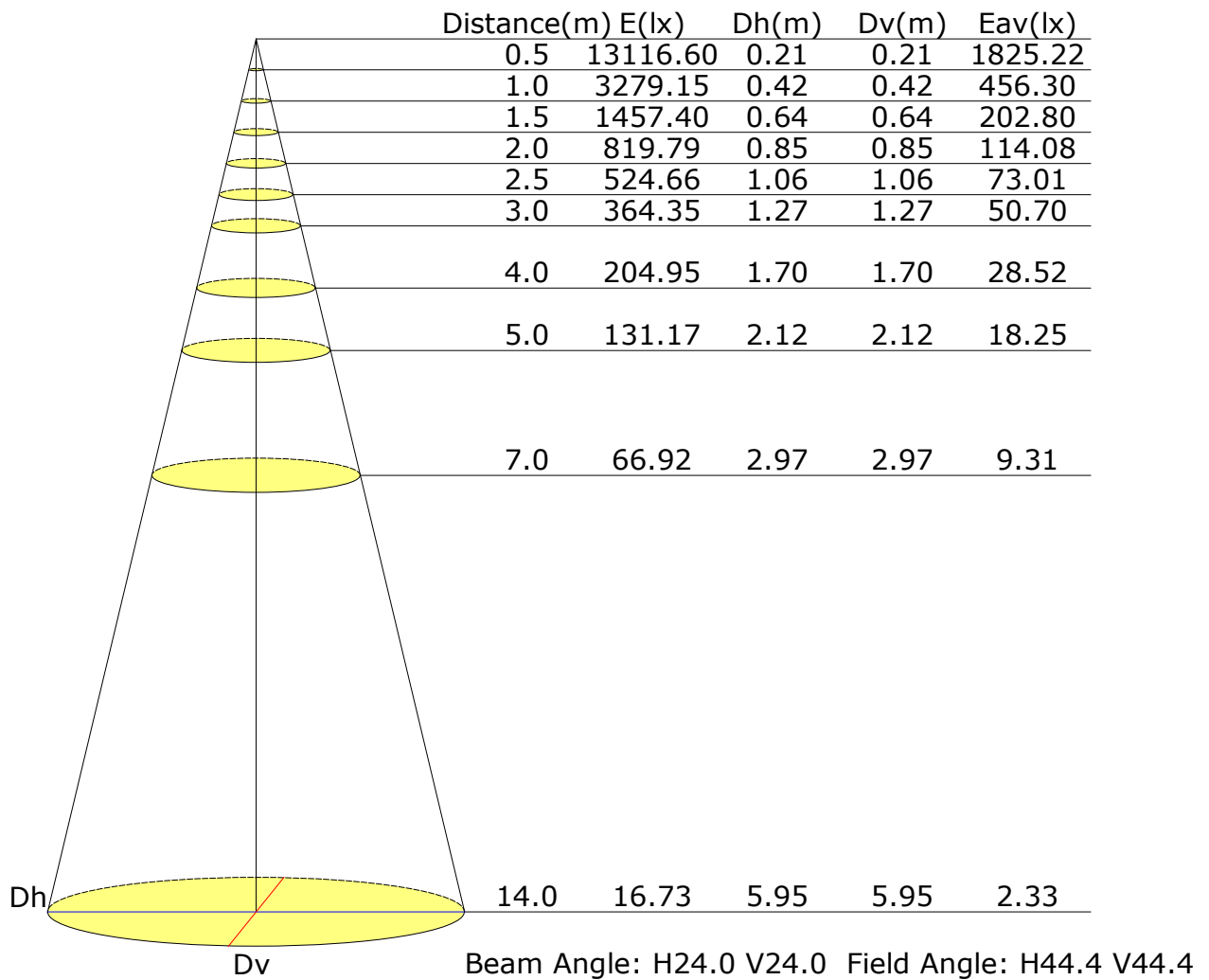
Test Device: CHL-6E

Distance: 3.000 m

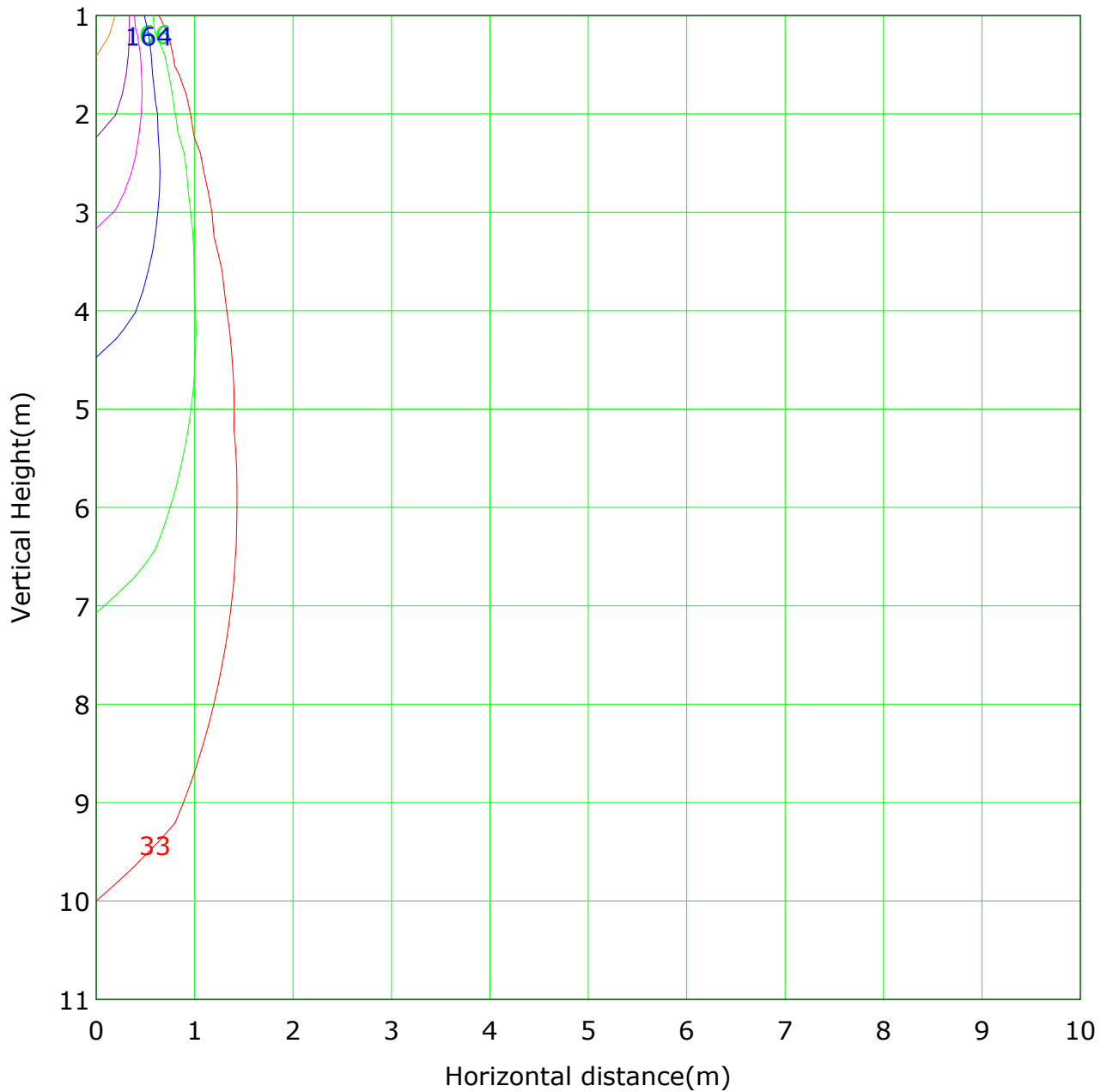
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



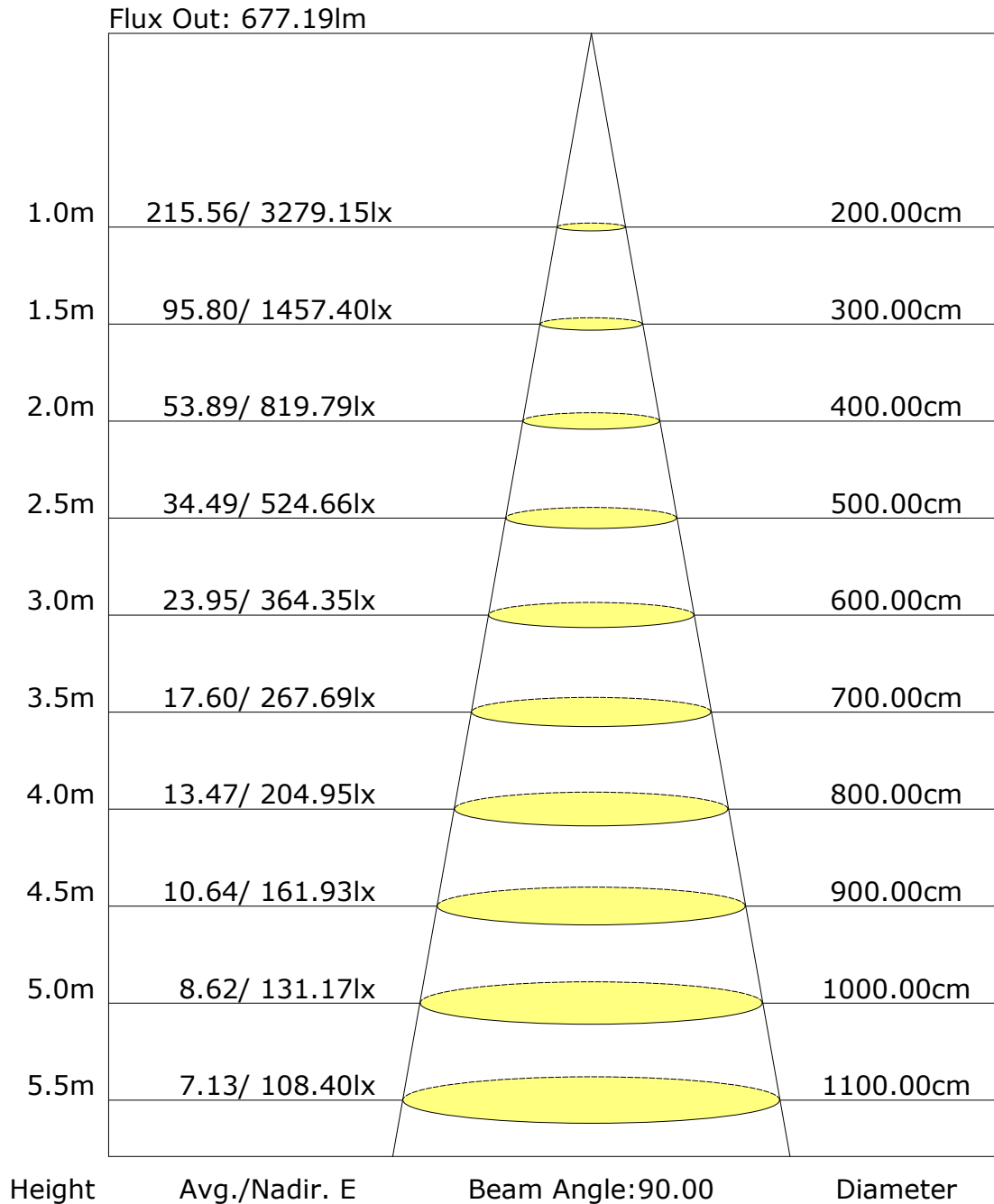
Lowest(m): 1m Highest(m): 11 Max Lux: 3279

(1%): 33 lx	(2%): 66 lx
(5%): 164 lx	(10%): 328 lx
(20%): 656 lx	(50%): 1640 lx
(100%): 3279 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: