

Report No.: 52.09526 SILO Downlight

Test Time: 2023-09-09 11:32

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 218.3 V

Current: 0.132 A

Power: 28.10 W

Power Factor: 0.969

Photometric Results

CIE Class: Direct

Measurement Flux: 2794.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H47.9

Vertical Diffuse Angle(50%): V47.9

Luminaire Efficacy Rating (LER): 99

Max. Intensity: 4486.67 cd

Total Rated Lamp Lumens: 2794.1 lm

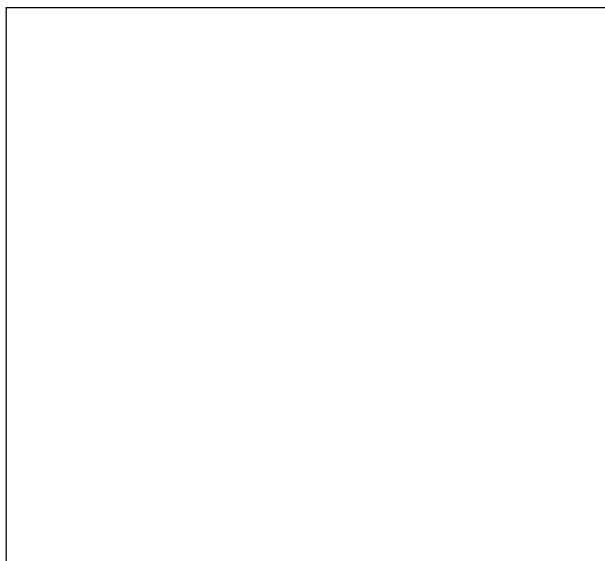
Efficiency: 100%

Upward Ratio: 0%

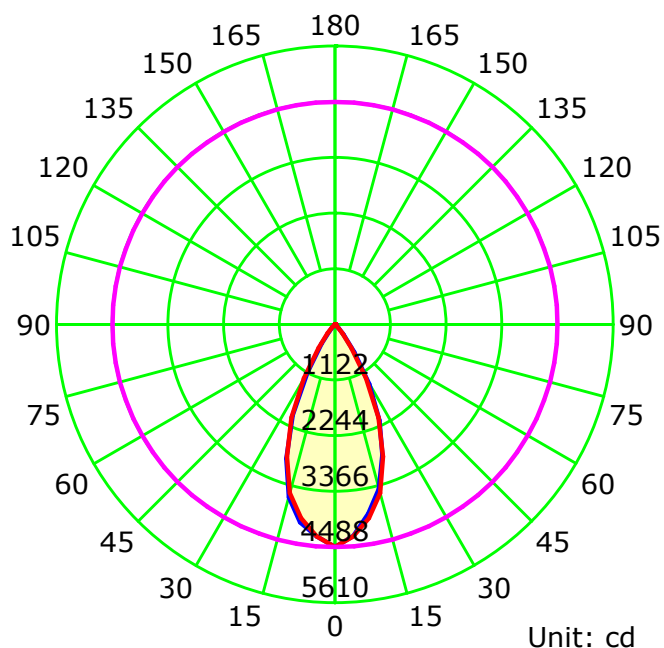
Central Intensity: 4486.67 cd

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

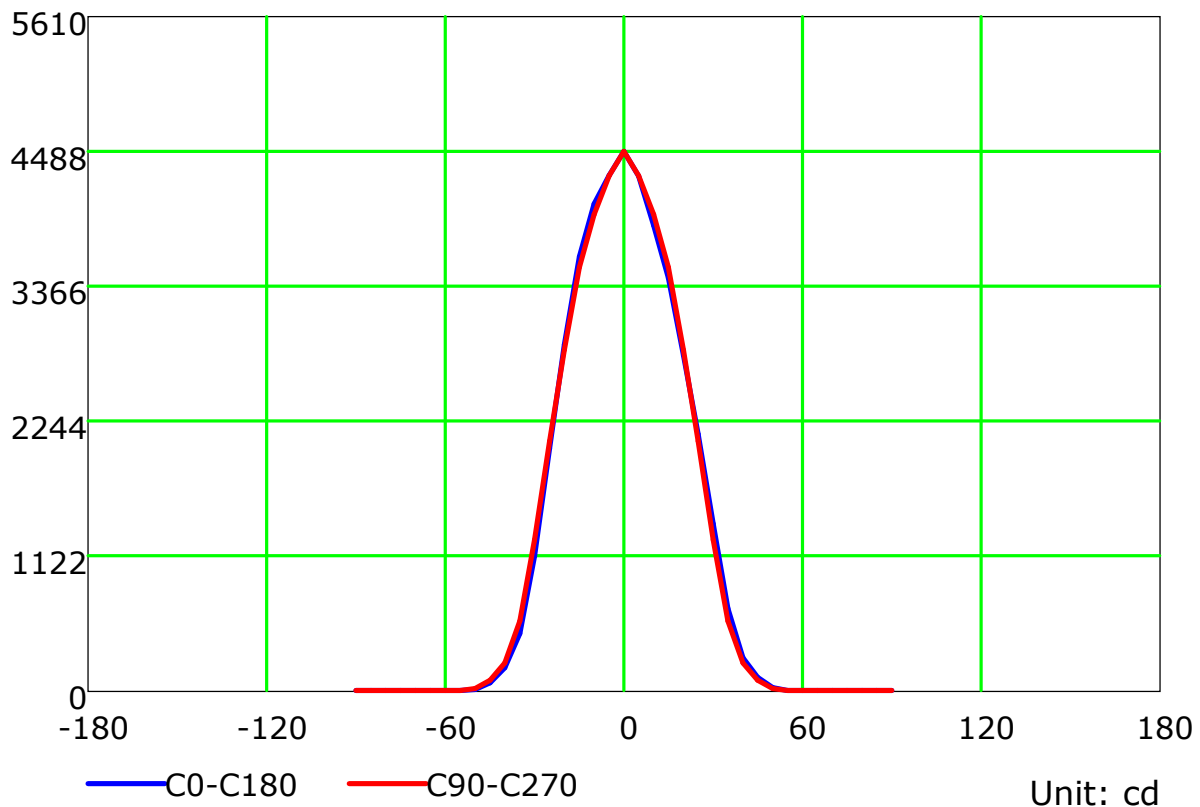
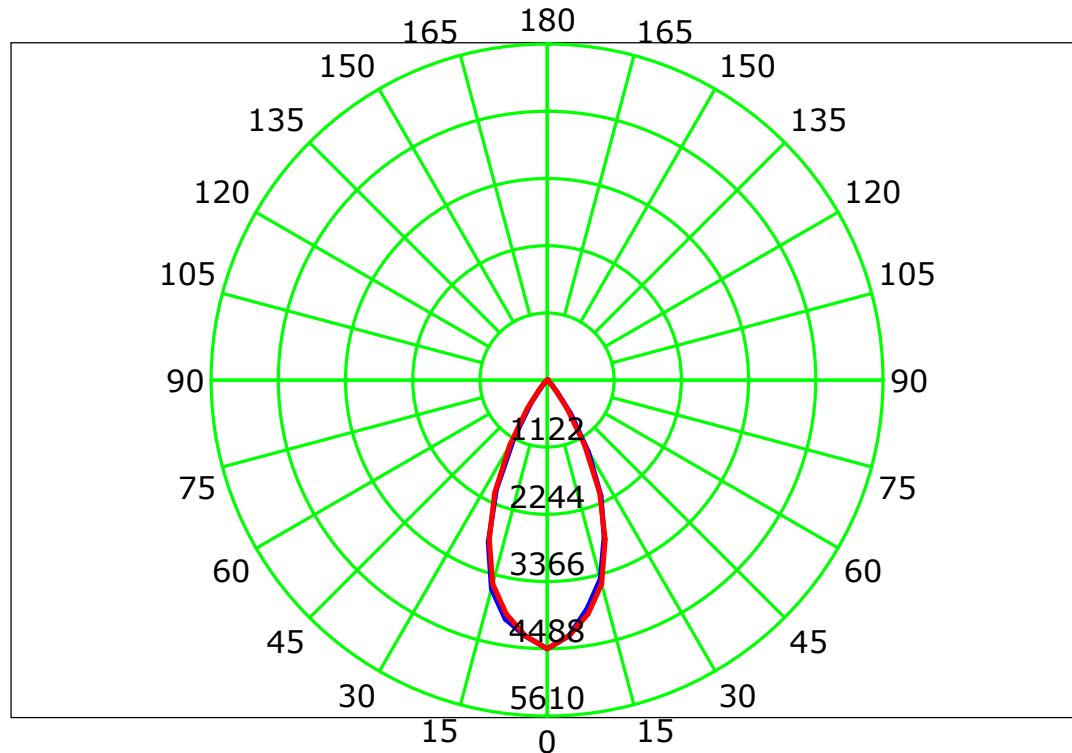
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

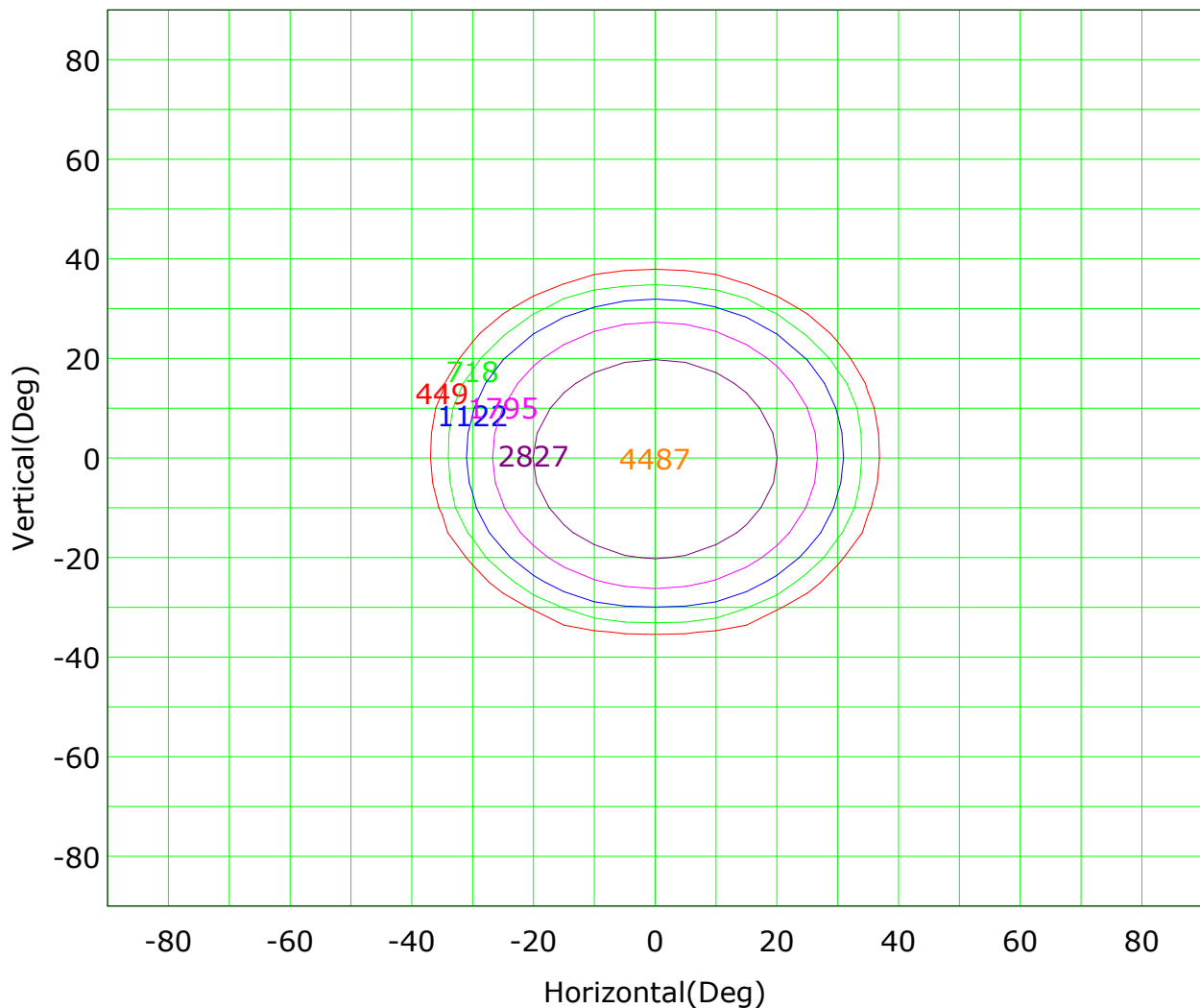
Luminous Intensity Distribution Curve



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%): 4487 cd

(10%): 449 cd	(16%): 718 cd
(25%): 1122 cd	(40%): 1795 cd
(63%): 2827 cd	(100%): 4487 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

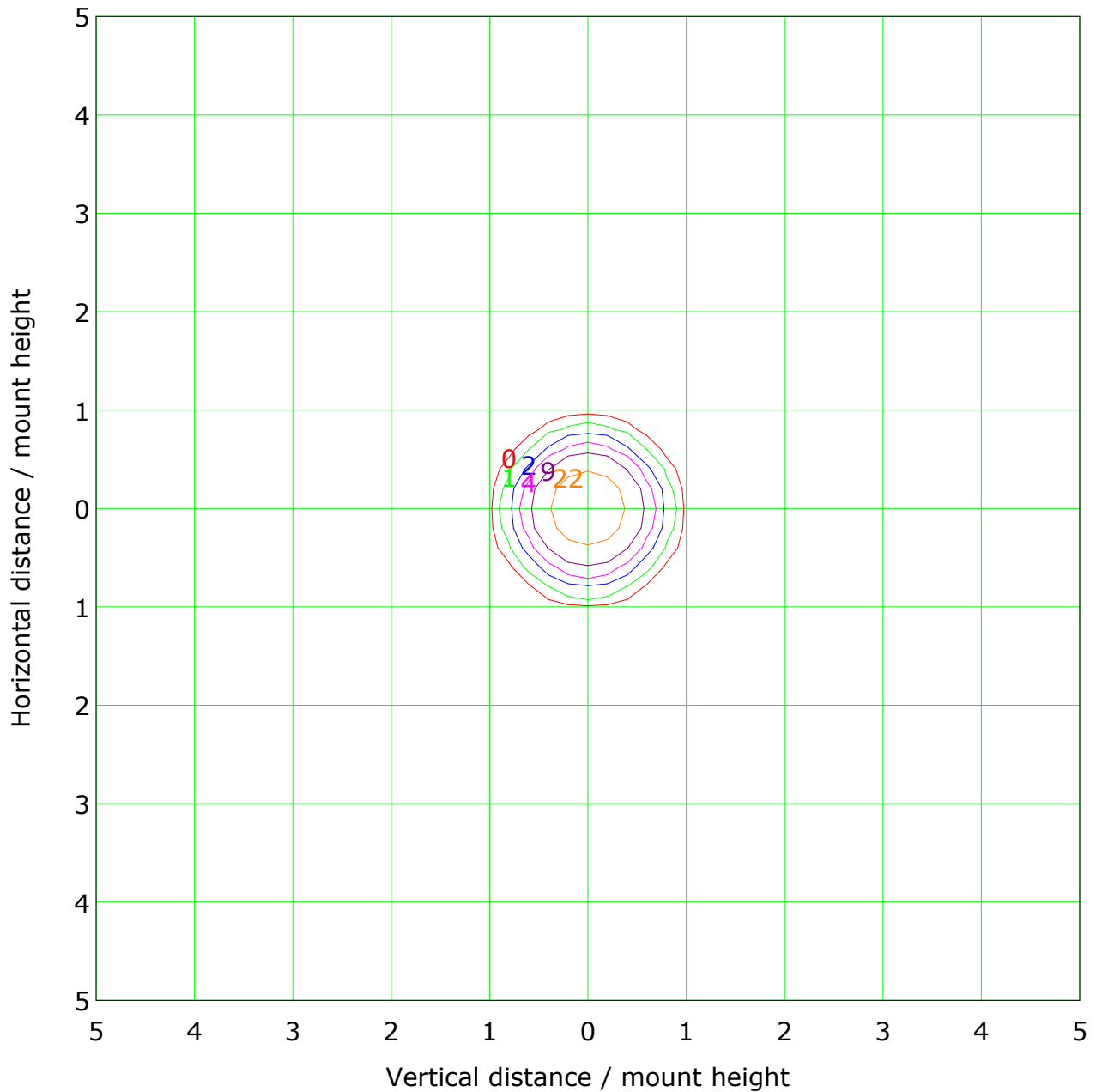
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 45 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	9 lx	(50%):	22 lx
(100%):	45 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

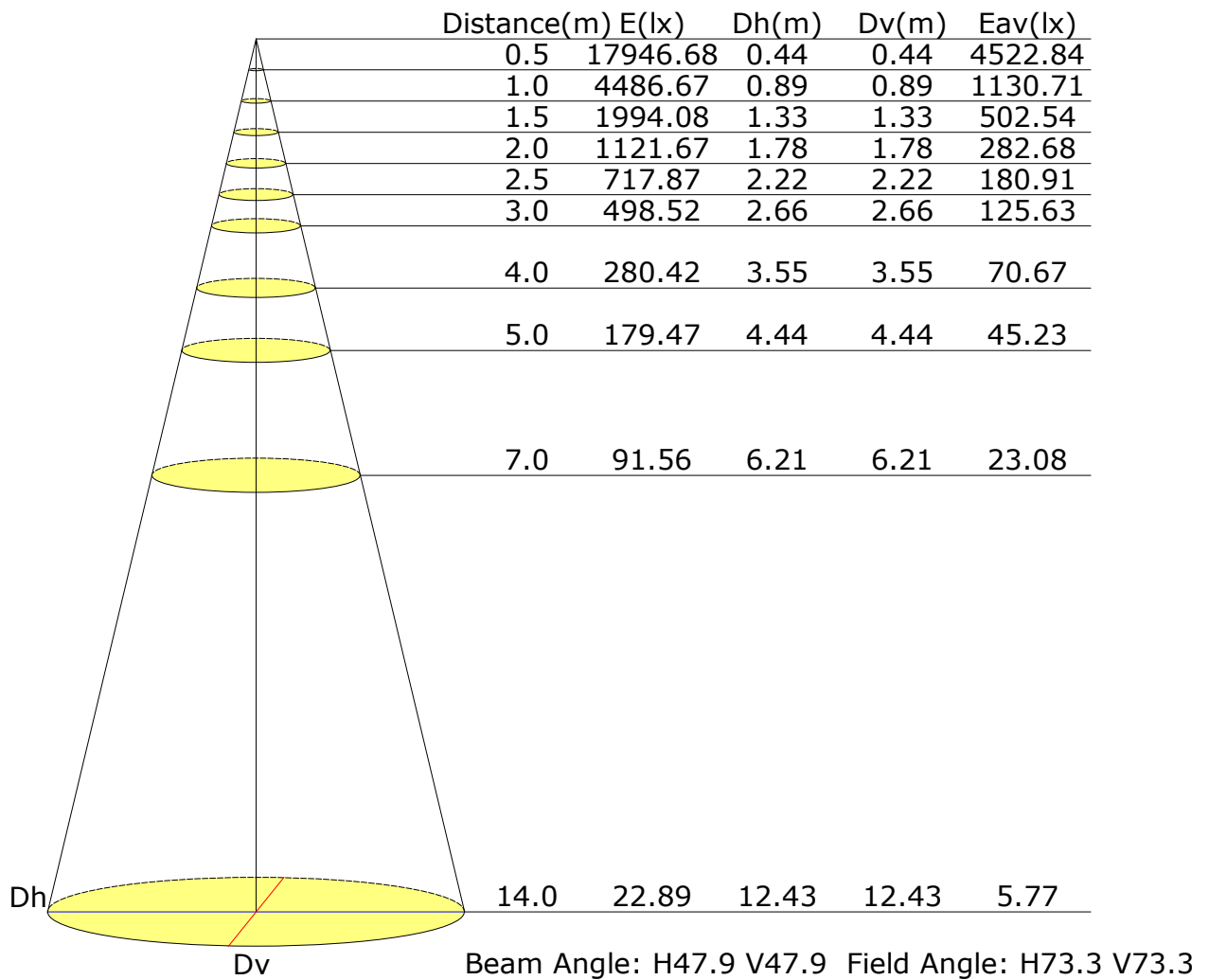
Test Device: CHL-6E

Distance: 3.000 m

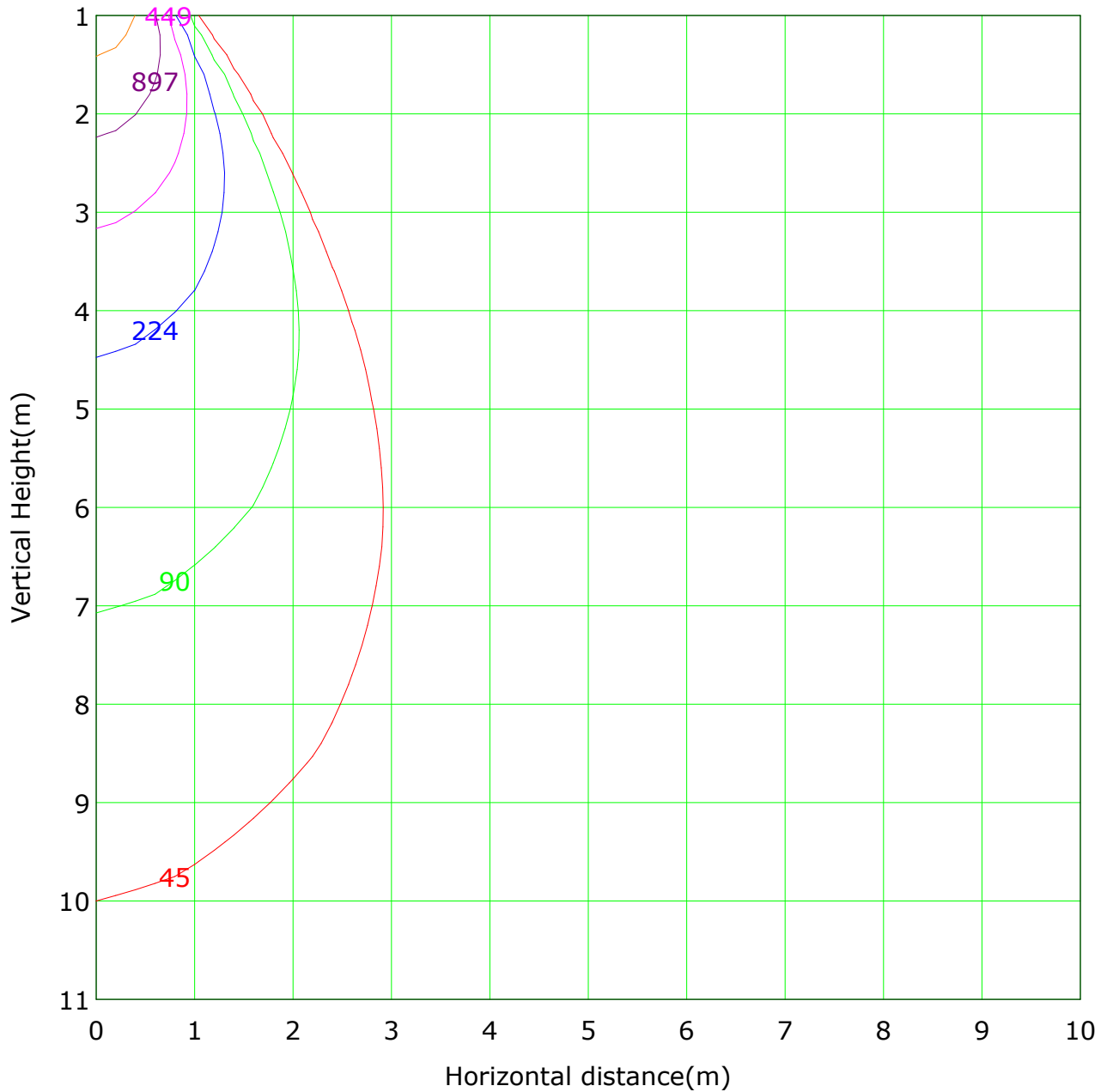
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



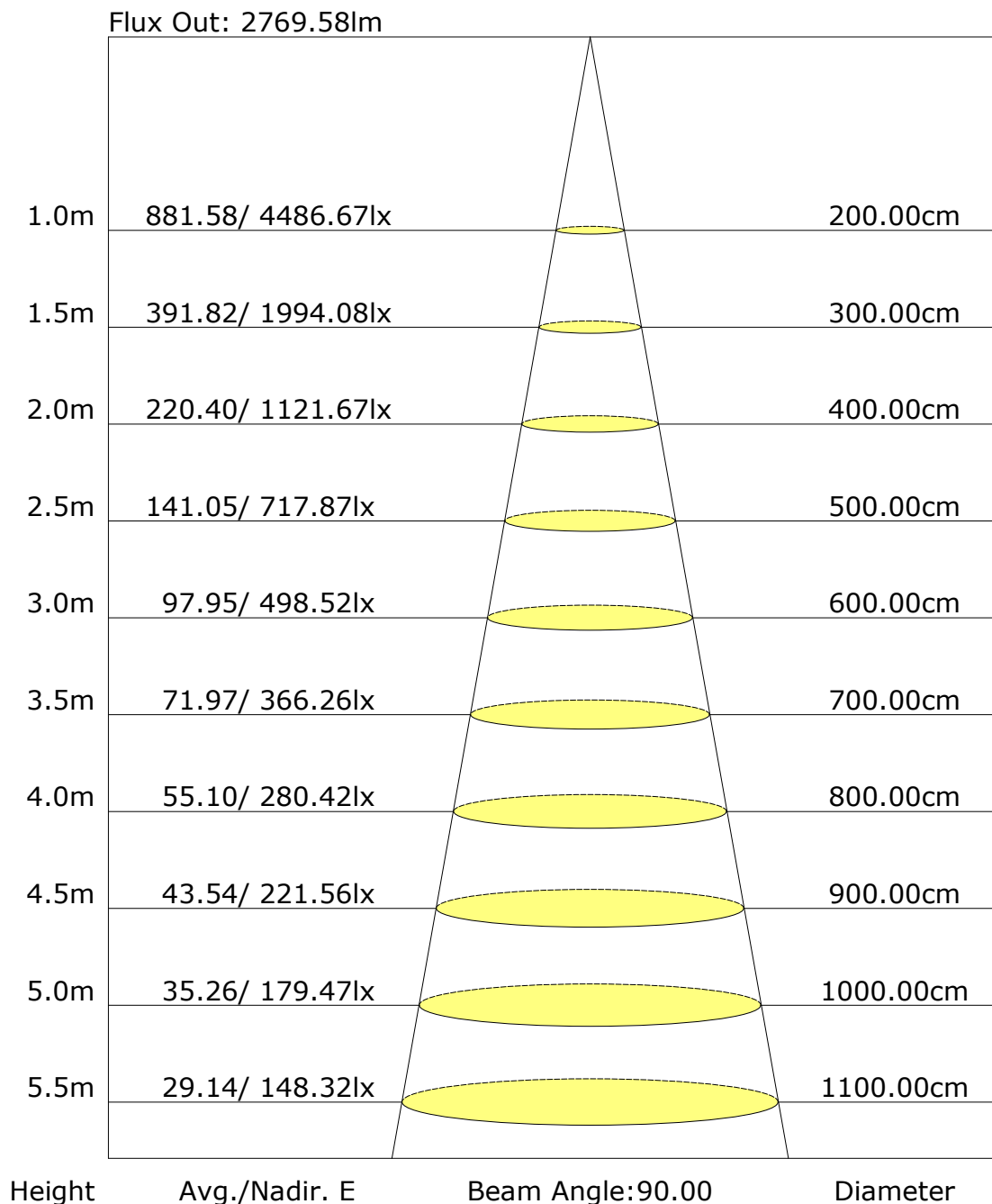
Lowest(m): 1m Highest(m): 11 Max Lux: 4487

(1%): 45 lx	(2%): 90 lx
(5%): 224 lx	(10%): 449 lx
(20%): 897 lx	(50%): 2243 lx
(100%): 4487 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:

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector: