

Report No.: 52.09526 SILO Downlight

Test Time: 2023-09-09 11:41

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 223.4 V

Current: 0.128 A

Power: 27.90 W

Power Factor: 0.967

Photometric Results

CIE Class: Direct

Measurement Flux: 2734.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H18.9

Vertical Diffuse Angle(50%): V18.9

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 18636.53 cd

Total Rated Lamp Lumens: 2734.3 lm

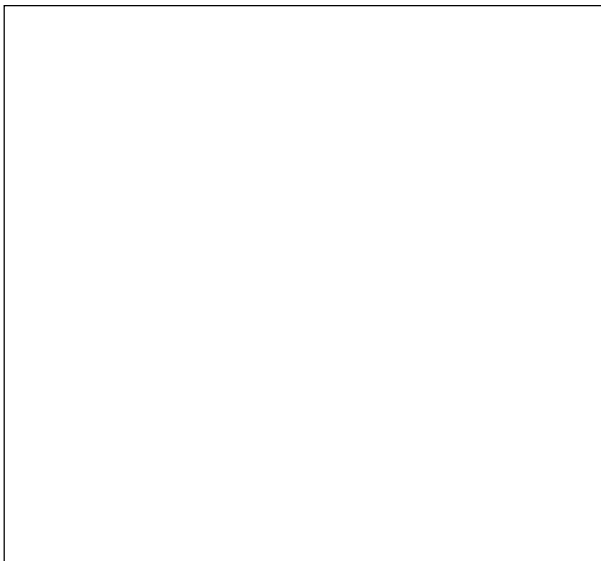
Efficiency: 100%

Upward Ratio: 0%

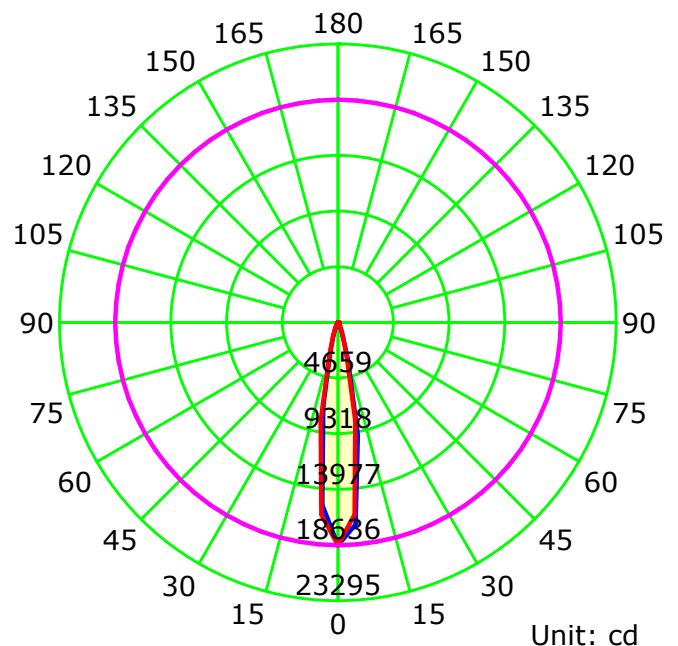
Central Intensity: 18636.53 cd

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

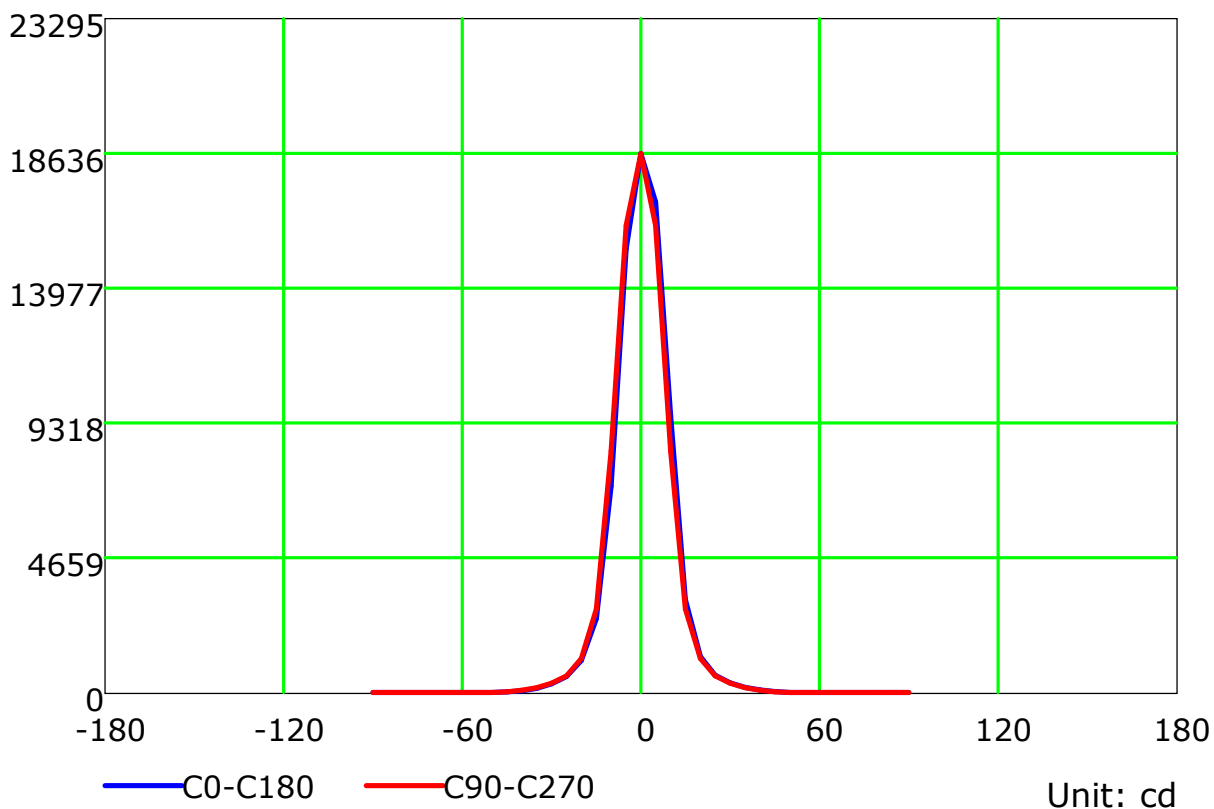
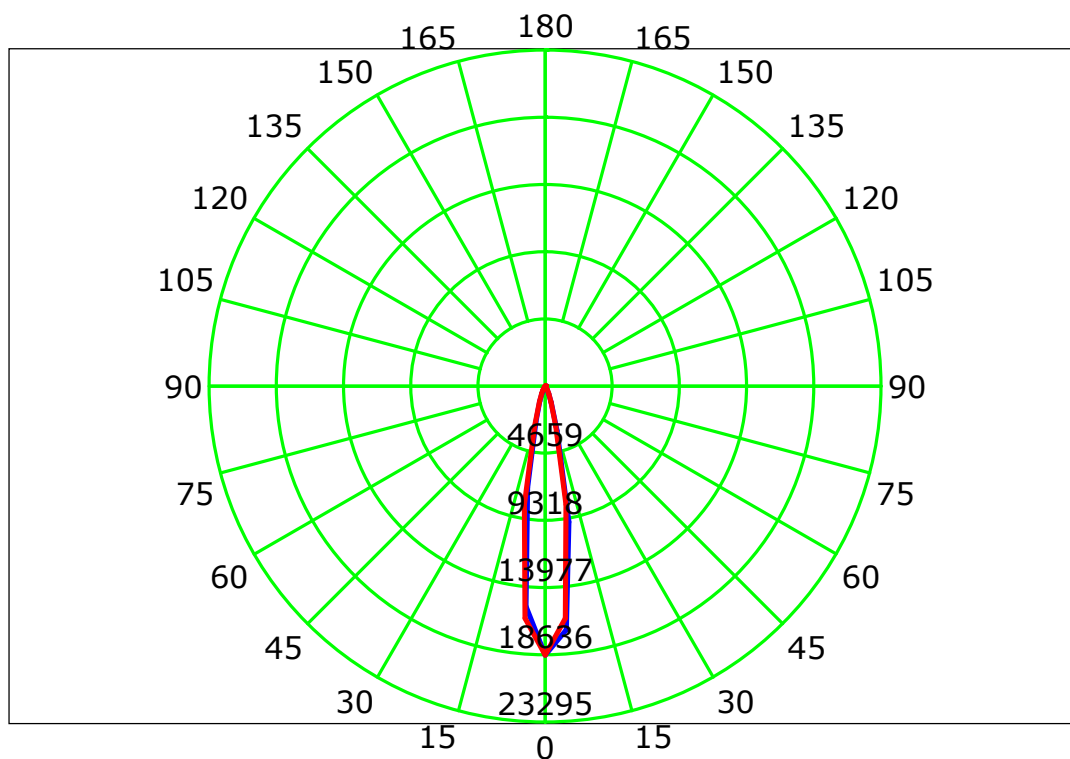
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

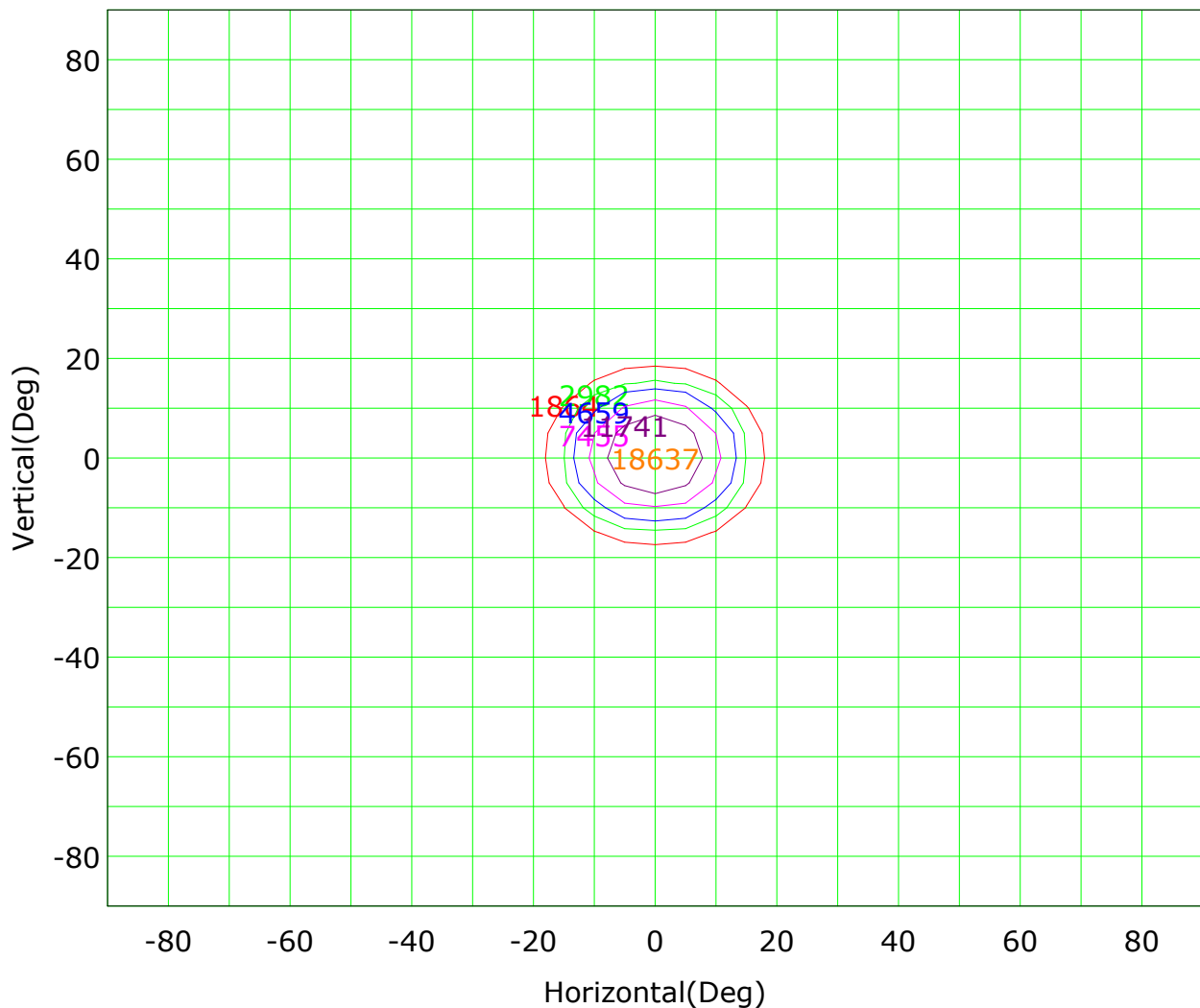
Luminous Intensity Distribution Curve



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%): 18637 cd

(10%): 1864 cd	(16%): 2982 cd
(25%): 4659 cd	(40%): 7455 cd
(63%): 11741 cd	(100%): 18637 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

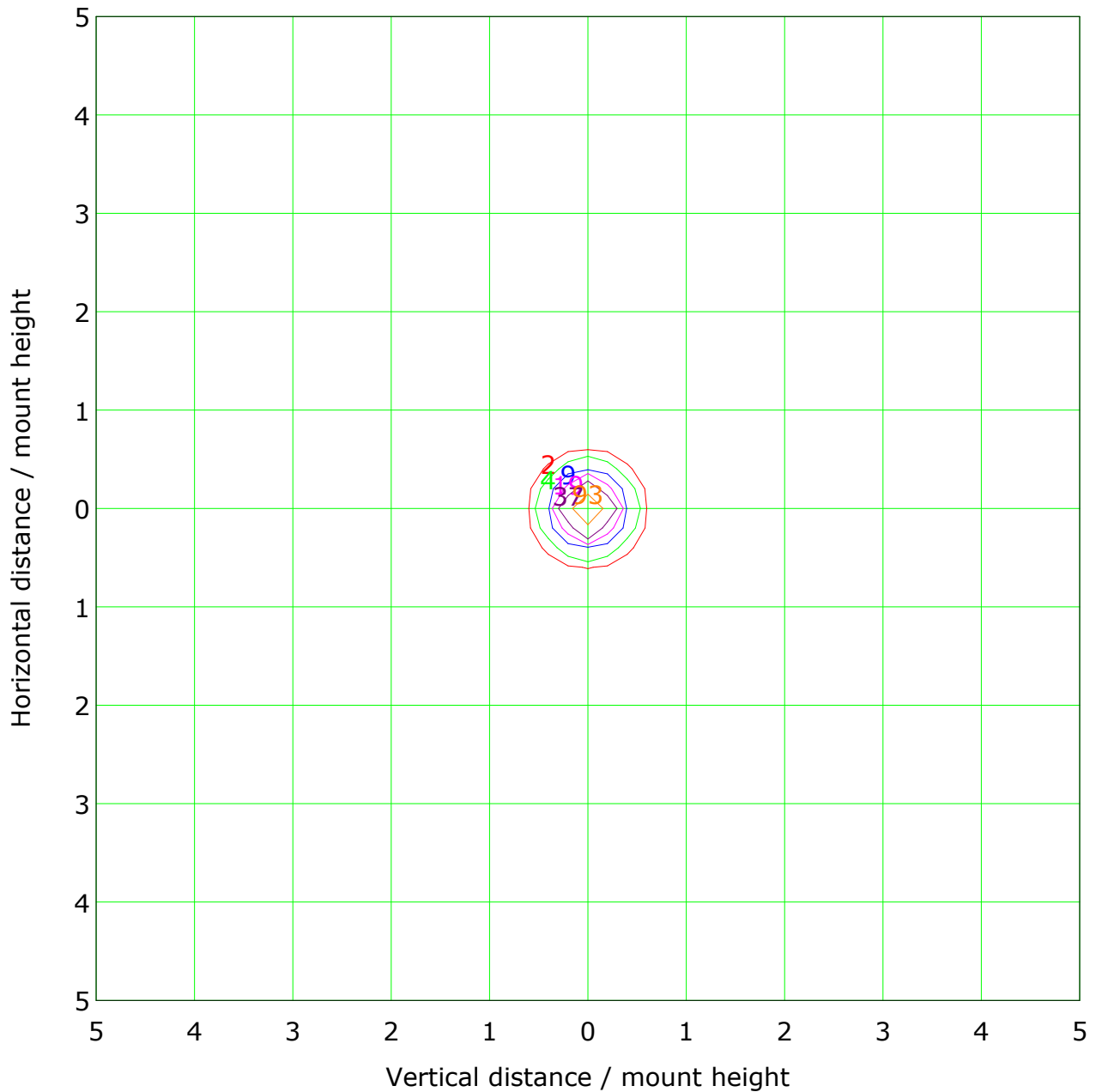
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 186 lx	
(1%):	2 lx	(2%):	4 lx
(5%):	9 lx	(10%):	19 lx
(20%):	37 lx	(50%):	93 lx
(100%):	186 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

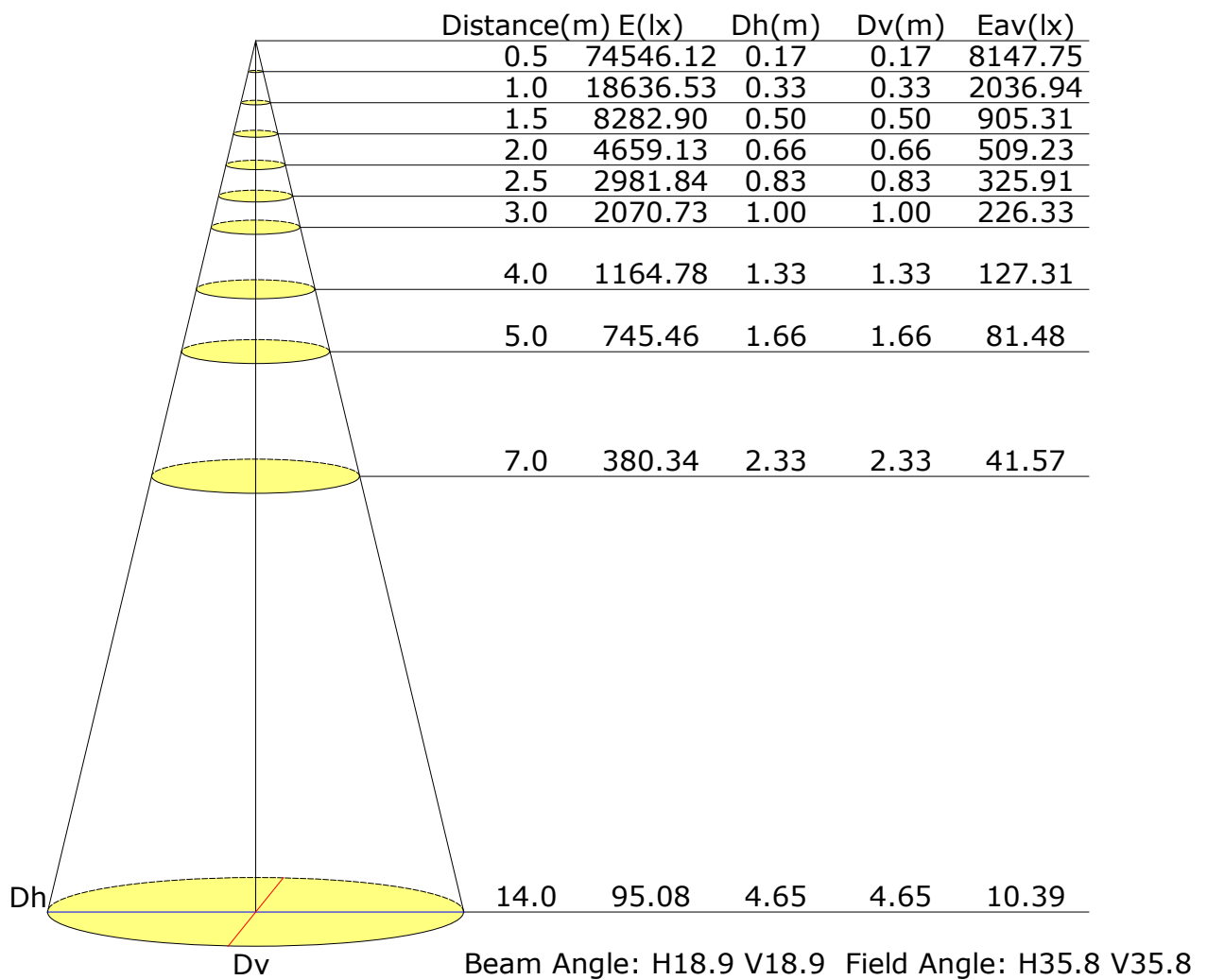
Test Device: CHL-6E

Distance: 3.000 m

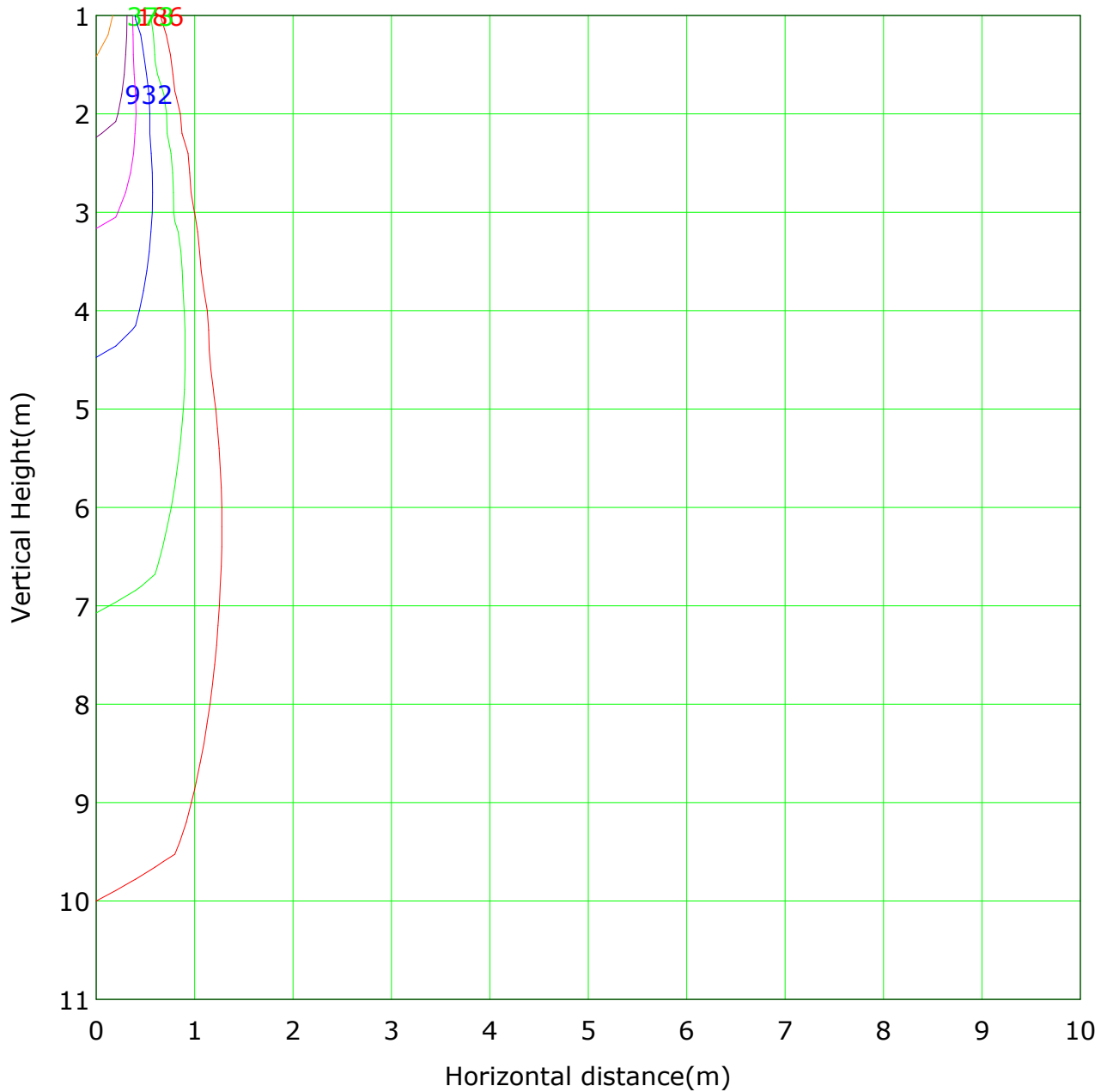
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

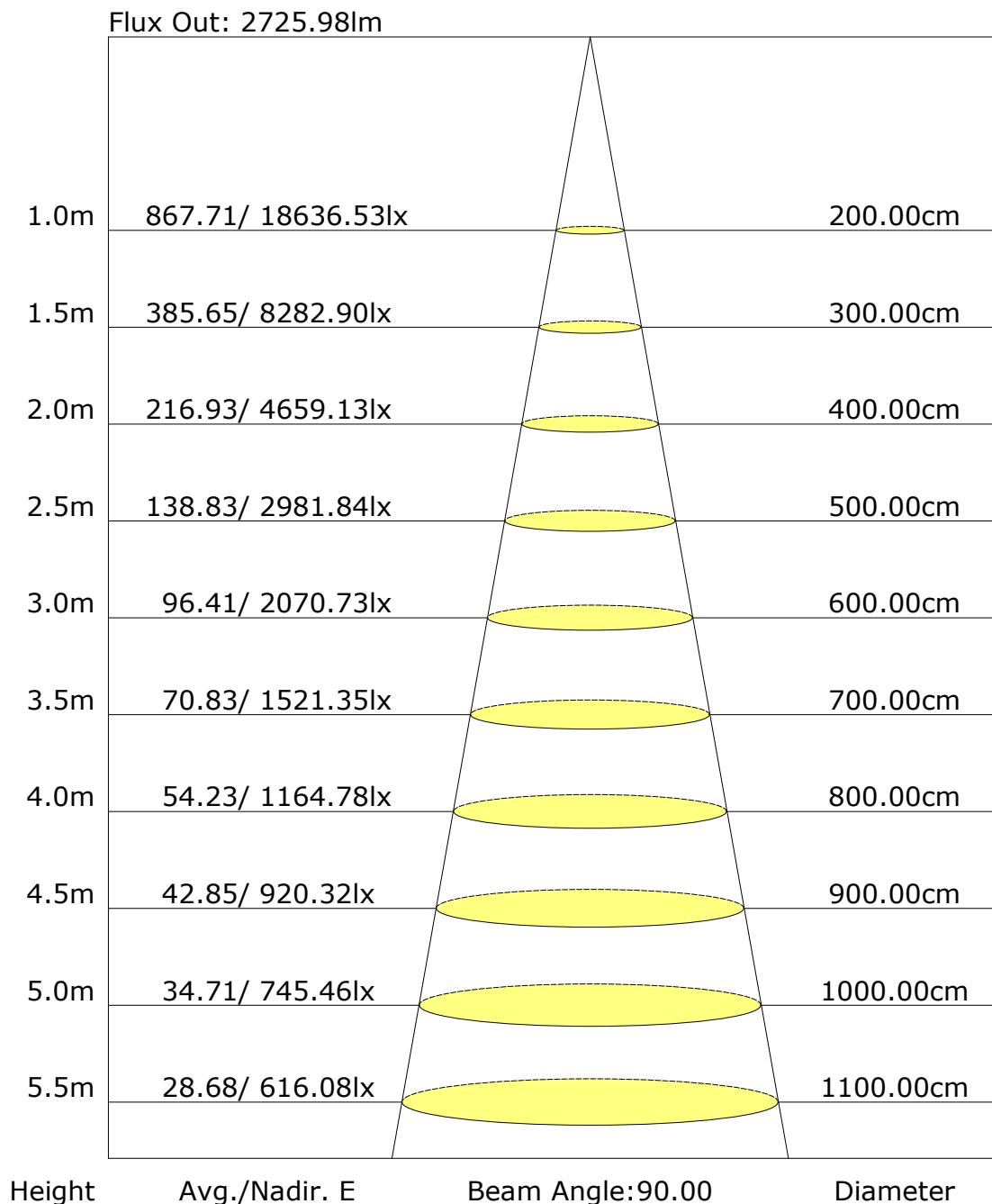


Lowest(m): 1m Highest(m): 11 Max Lux: 18637
— (1%): 186 lx — (2%): 373 lx
— (5%): 932 lx — (10%): 1864 lx
— (20%): 3727 lx — (50%): 9318 lx
— (100%): 18637 lx

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: