

Report No.: 52.09526 SILO Downlight

Test Time: 2023-09-09 11:38

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 218.4 V

Current: 0.131 A

Power: 27.90 W

Power Factor: 0.973

Photometric Results

CIE Class: Direct

Measurement Flux: 2888.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H25

Vertical Diffuse Angle(50%): V25

Luminaire Efficacy Rating (LER): 104

Max. Intensity: 13978.67 cd

Total Rated Lamp Lumens: 2888.3 lm

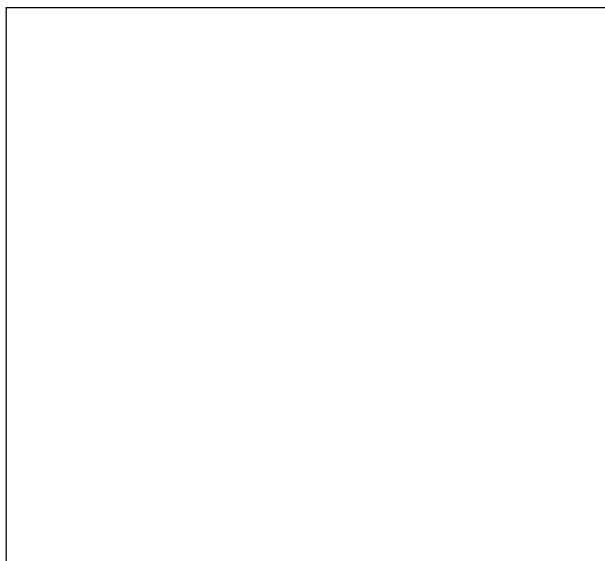
Efficiency: 100%

Upward Ratio: 0%

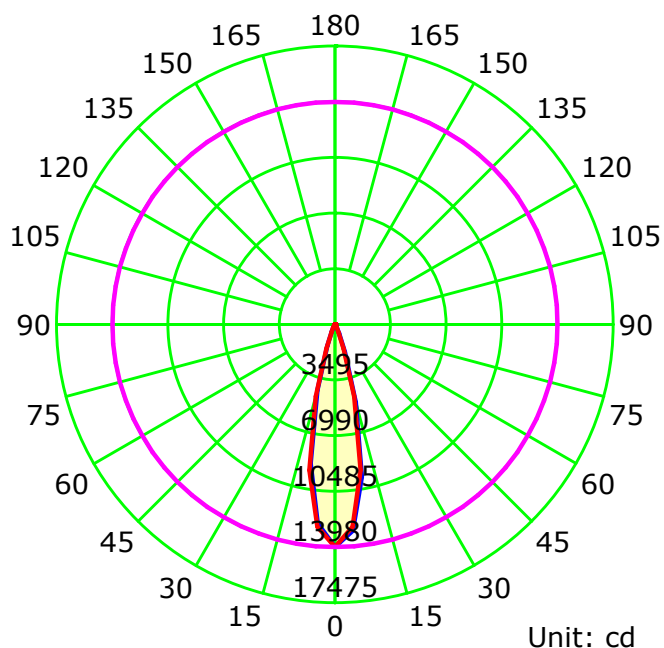
Central Intensity: 13978.66 cd

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

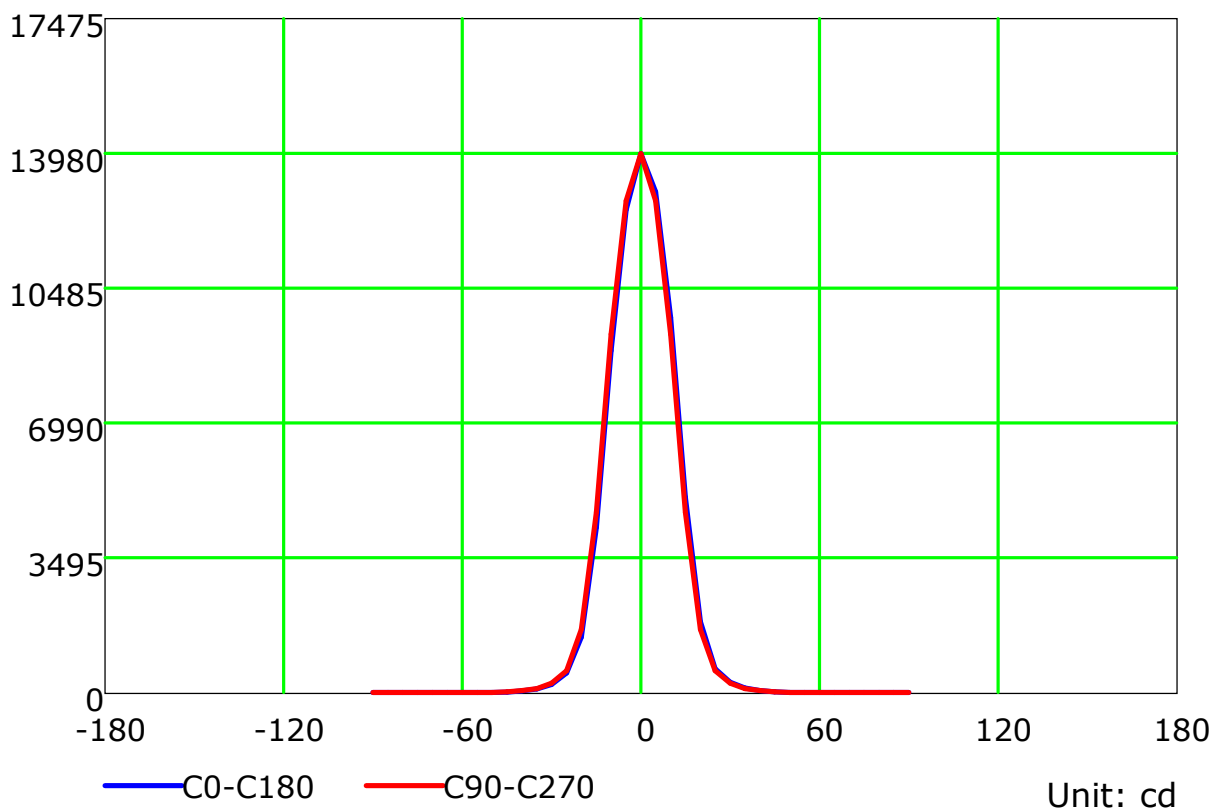
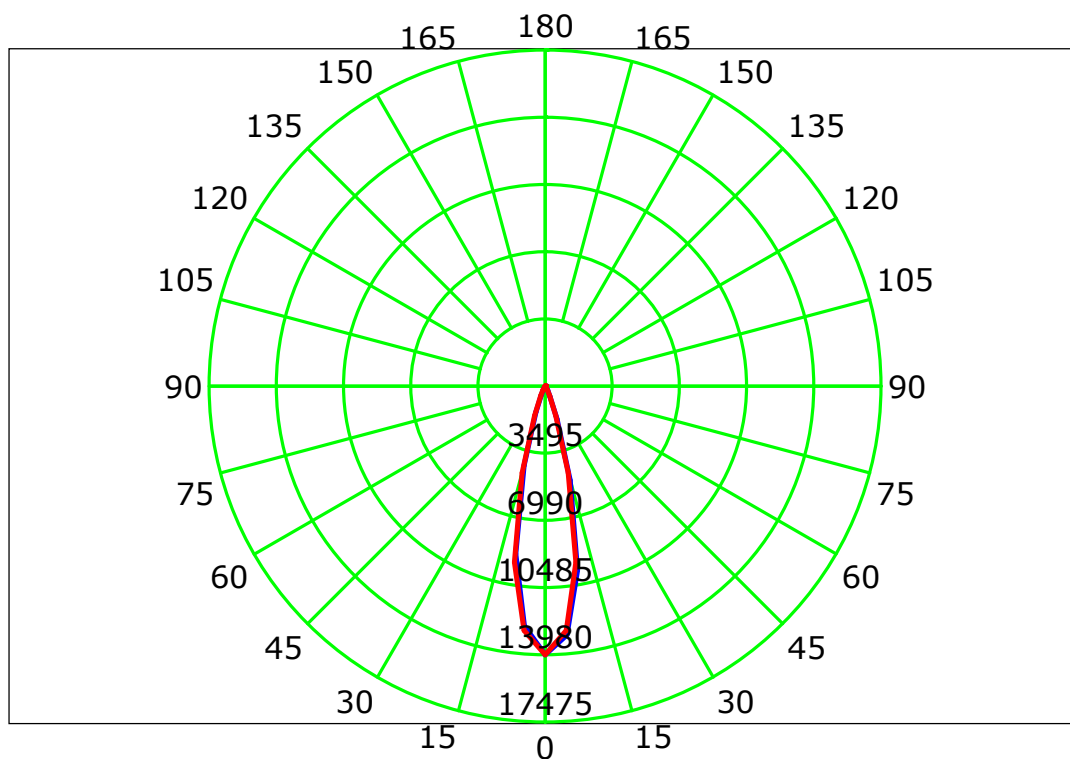
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

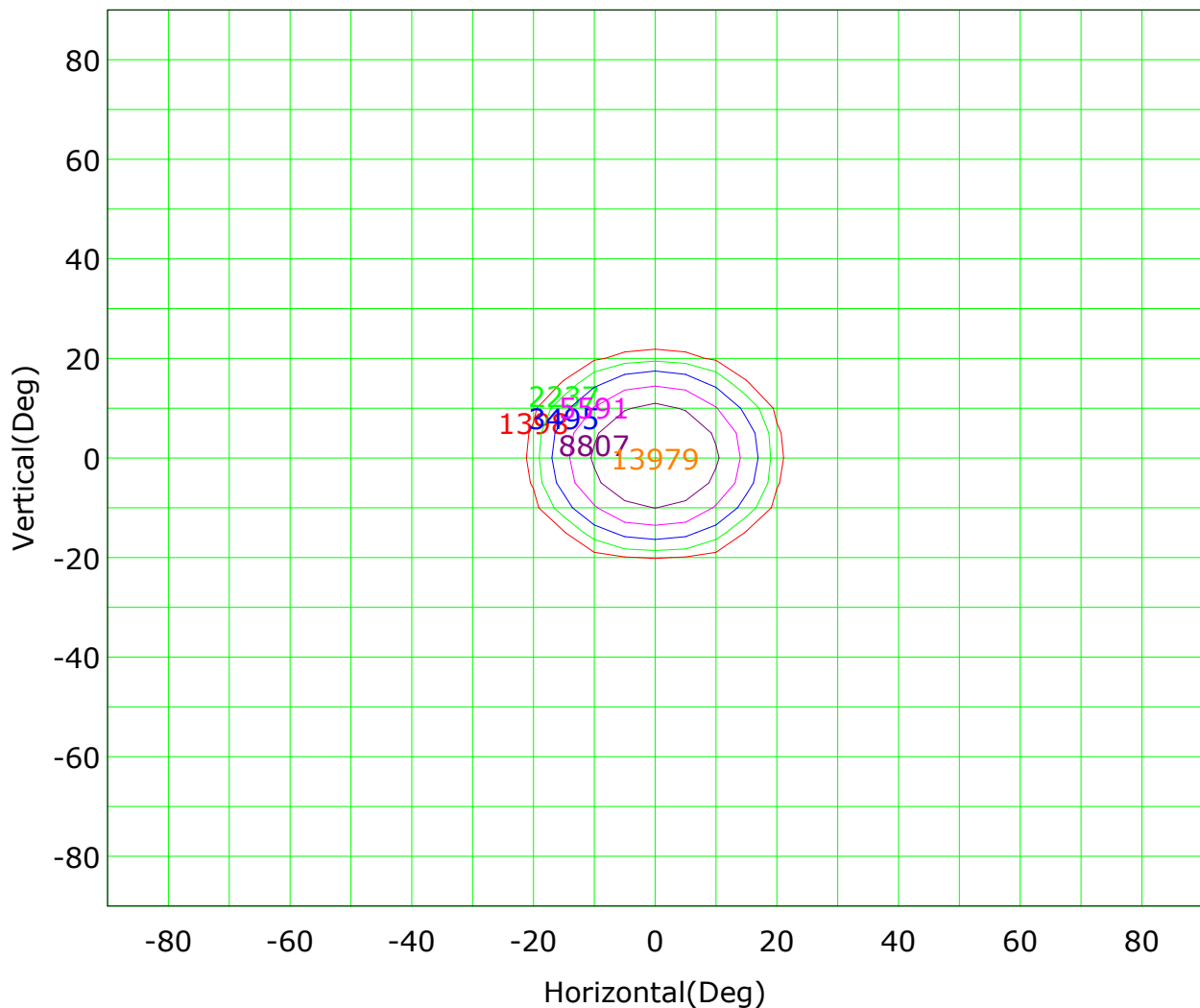
Luminous Intensity Distribution Curve



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%): 13979 cd

(10%): 1398 cd	(16%): 2237 cd
(25%): 3495 cd	(40%): 5591 cd
(63%): 8807 cd	(100%): 13979 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

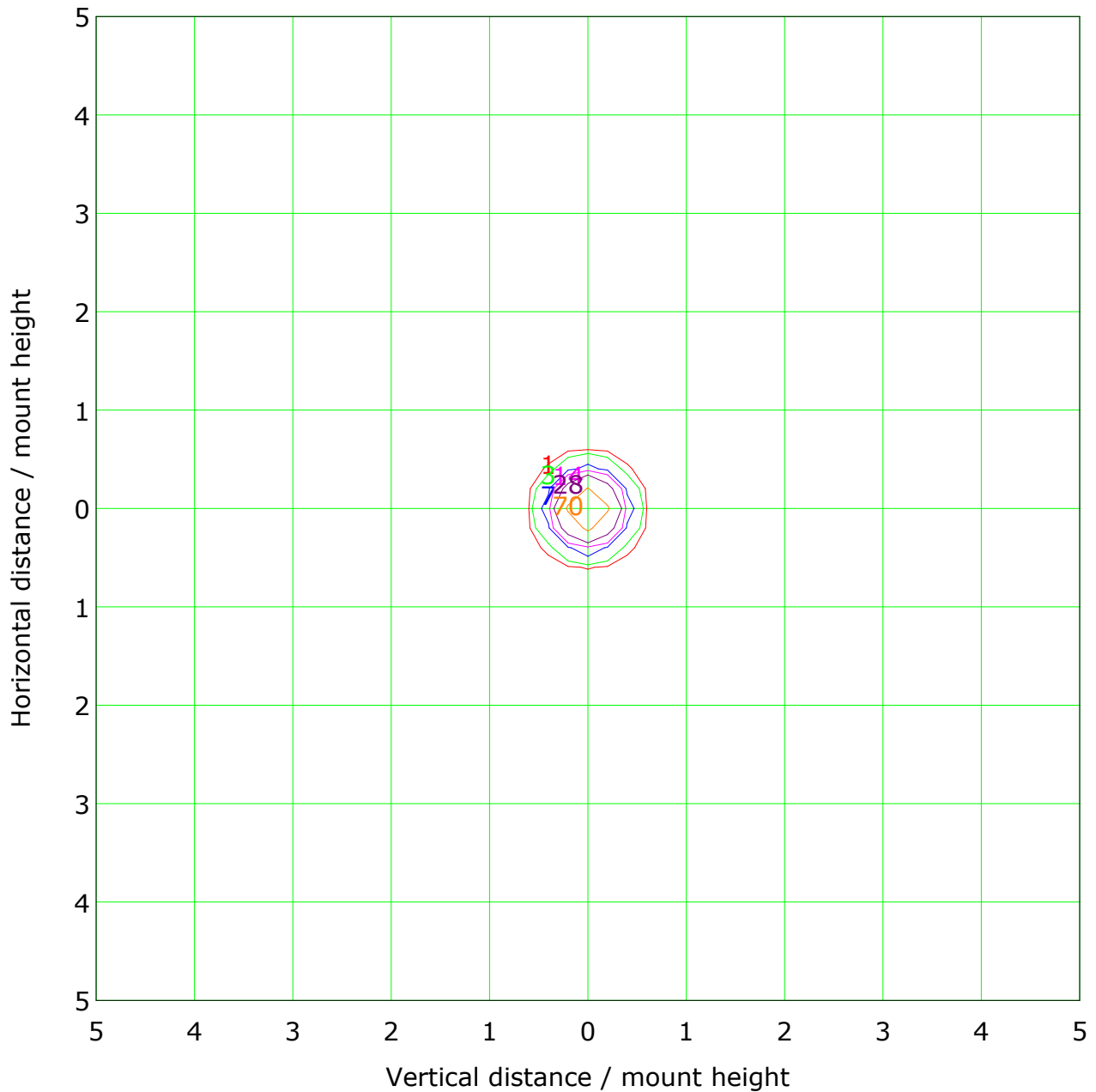
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 140 lx	
— (1%):	1 lx	— (2%):	3 lx
— (5%):	7 lx	— (10%):	14 lx
— (20%):	28 lx	— (50%):	70 lx
— (100%):	140 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

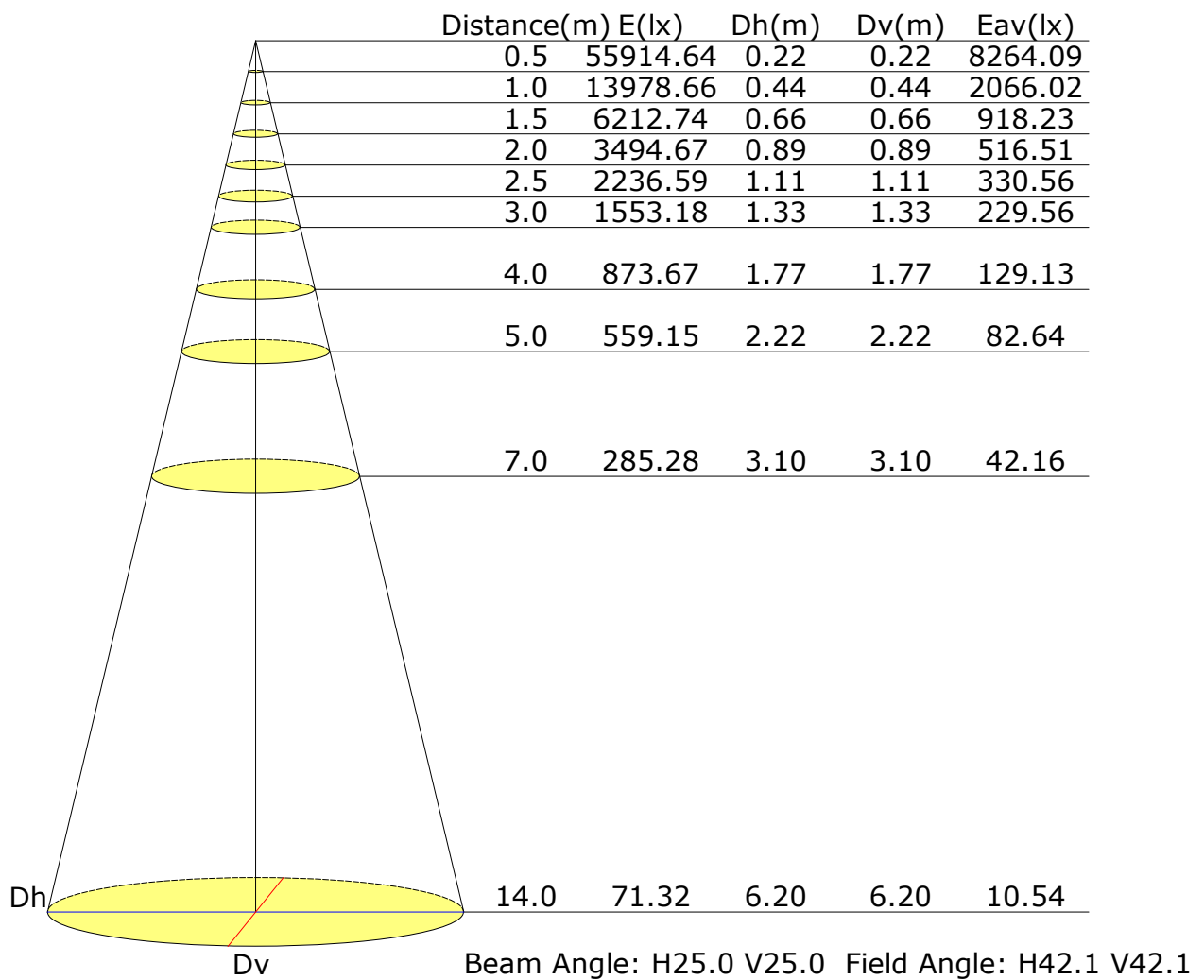
Test Device: CHL-6E

Distance: 3.000 m

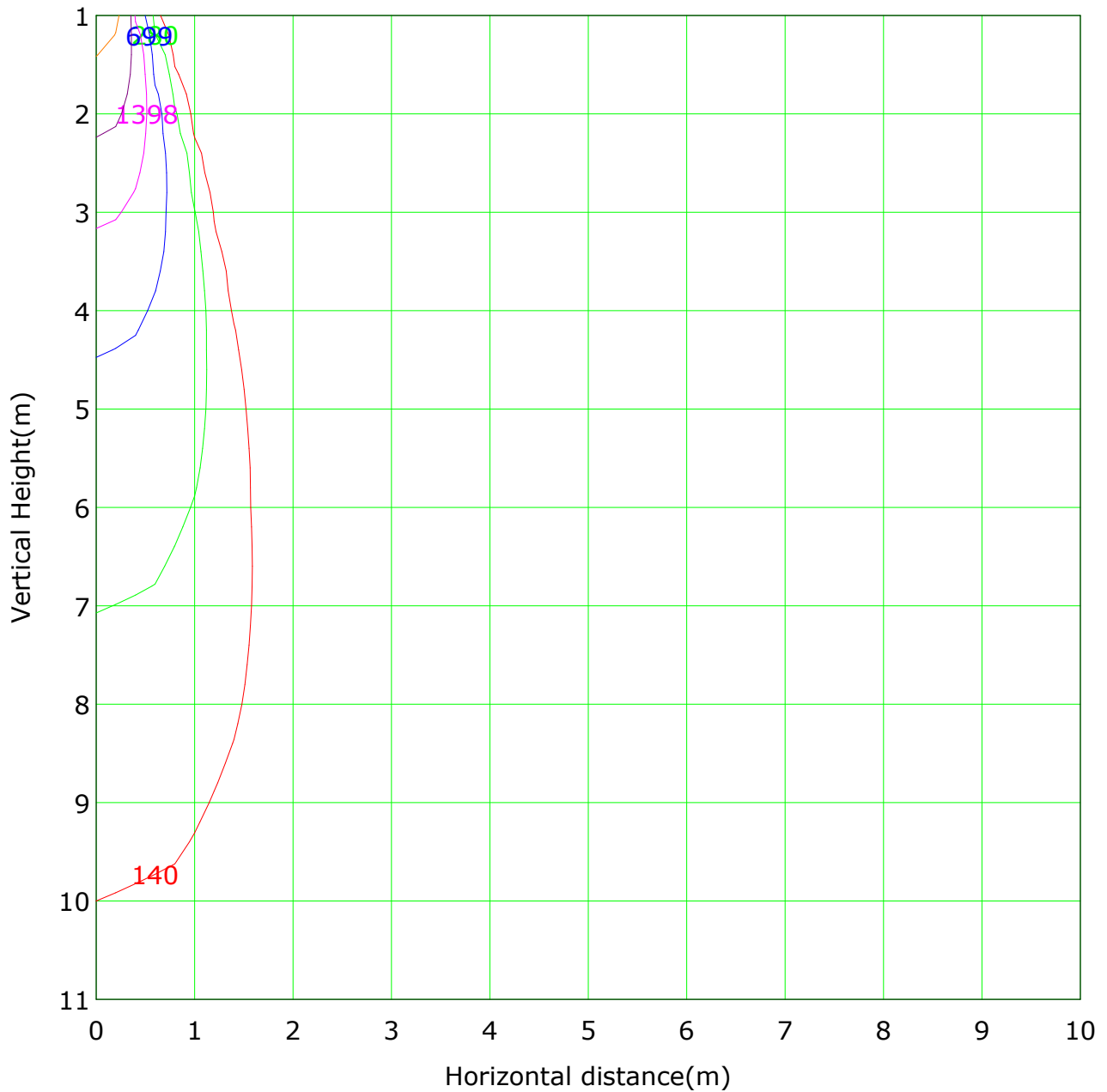
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

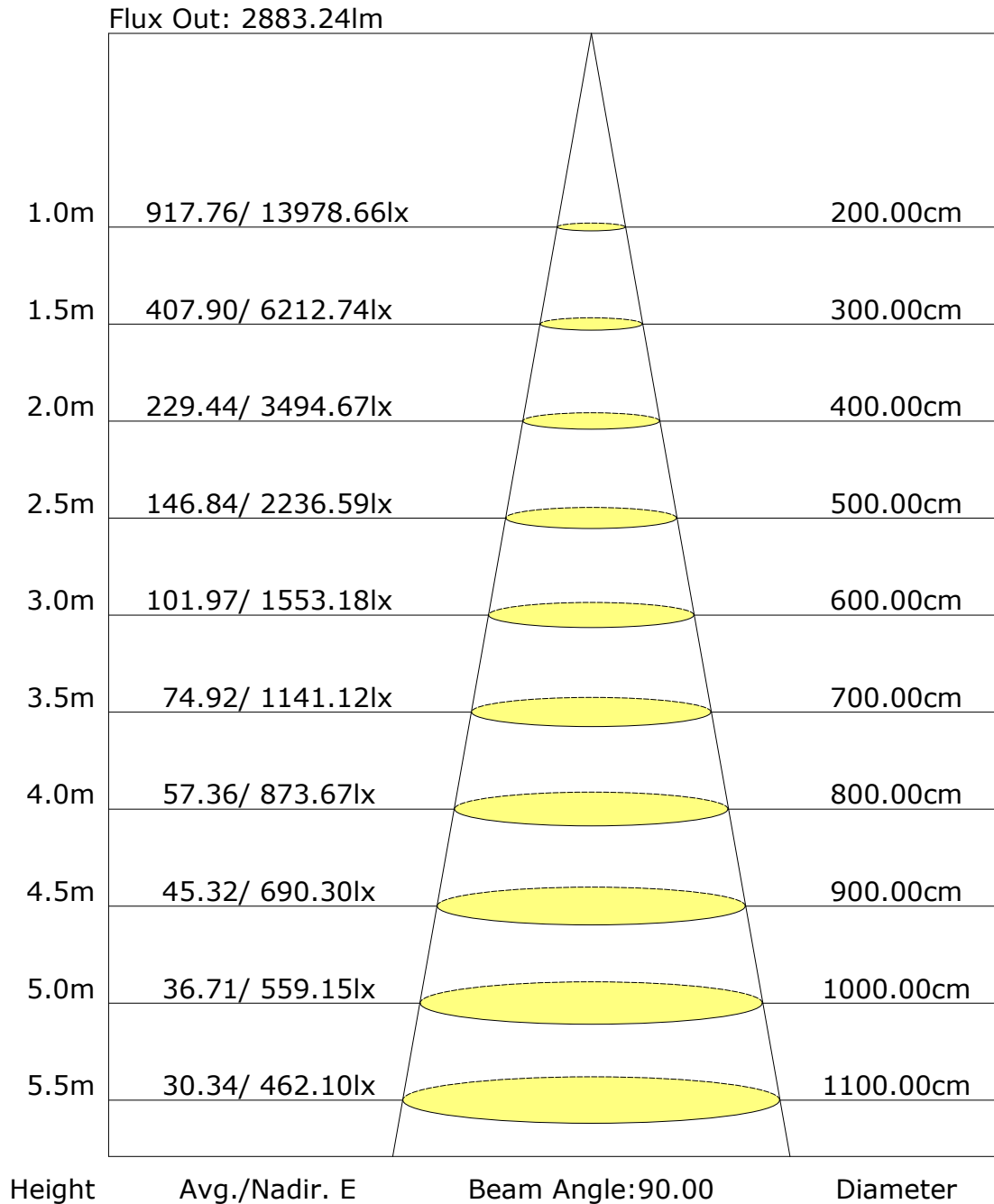


Lowest(m): 1m Highest(m): 11 Max Lux: 13979
— (1%): 140 lx — (2%): 280 lx
— (5%): 699 lx — (10%): 1398 lx
— (20%): 2796 lx — (50%): 6989 lx
— (100%): 13979 lx

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: