

Report No.: 52.05518 SILO Downlight

Test Time: 2023-09-04 10:14

Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Voltage: 221.0 V

Current: 0.056 A

Power: 11.60 W

Power Factor: 0.934

Photometric Results

CIE Class: Direct

Measurement Flux: 712.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.1

Vertical Diffuse Angle(50%): V20.1

Luminaire Efficacy Rating (LER): 61

Max. Intensity: 4719.67 cd

Total Rated Lamp Lumens: 712.3 lm

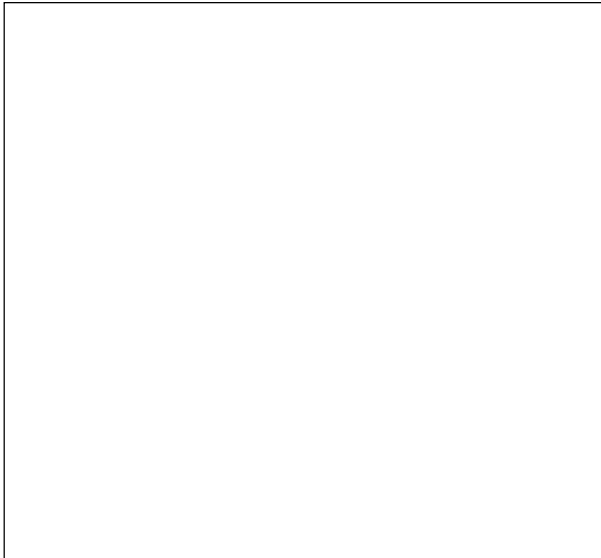
Efficiency: 100%

Upward Ratio: 0%

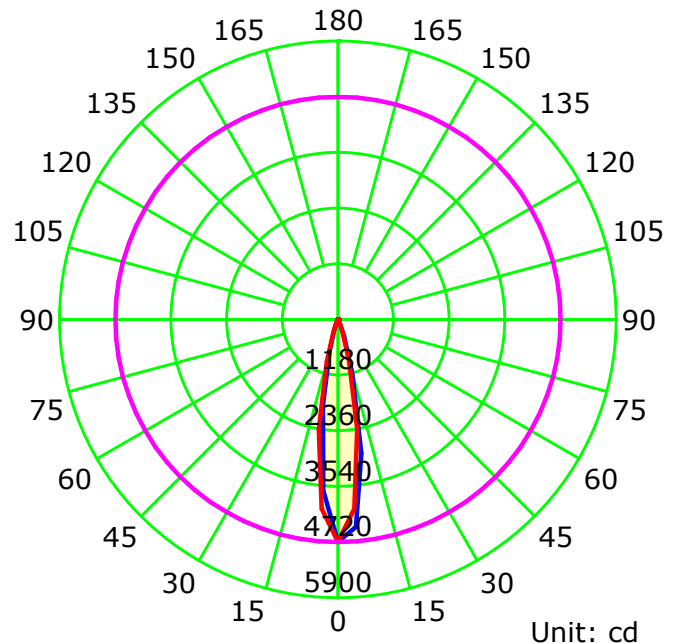
Central Intensity: 4719.66 cd

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

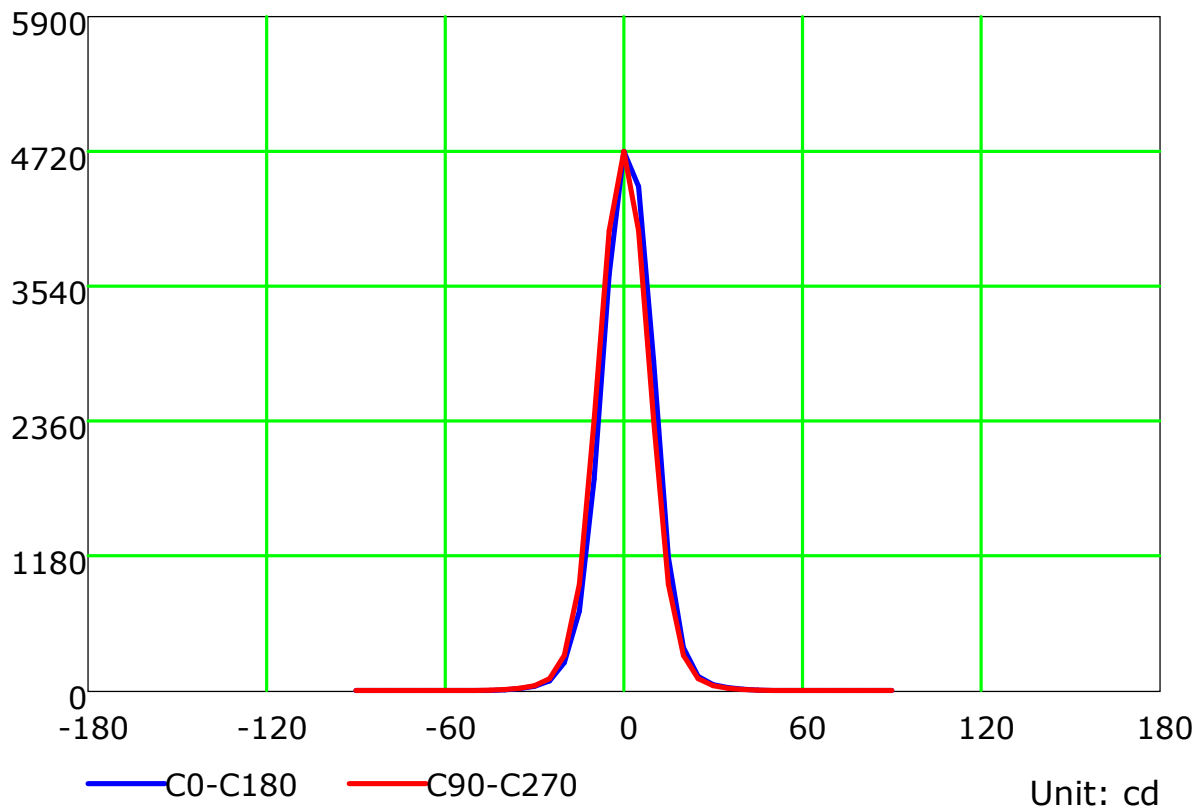
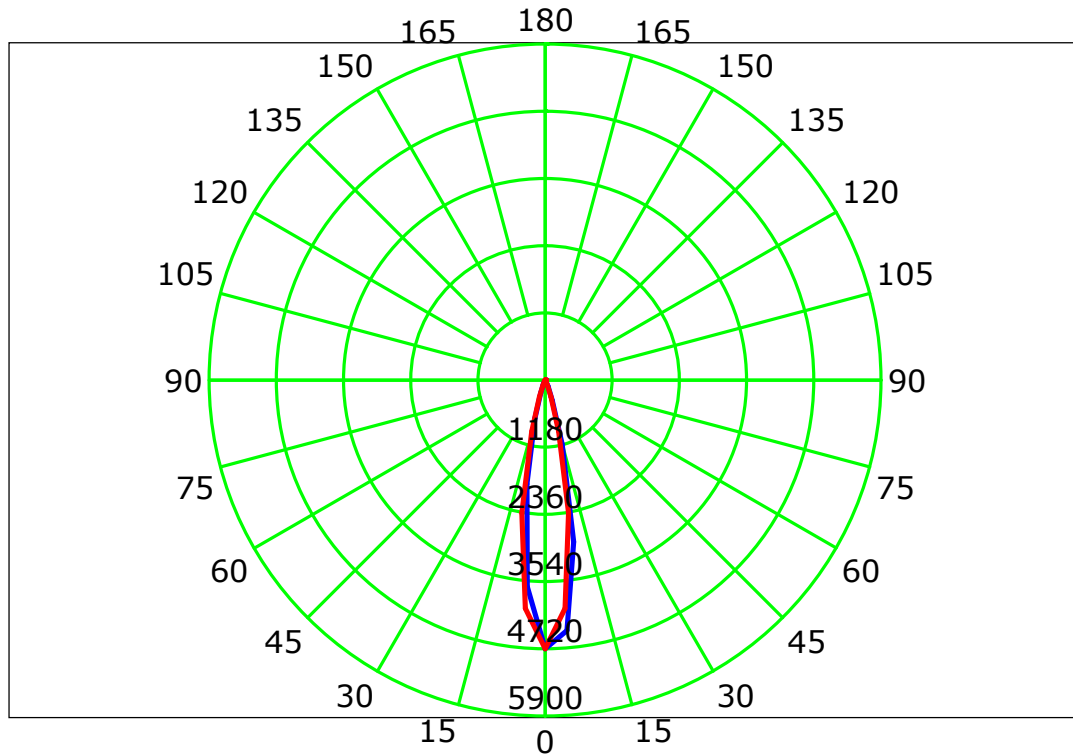
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

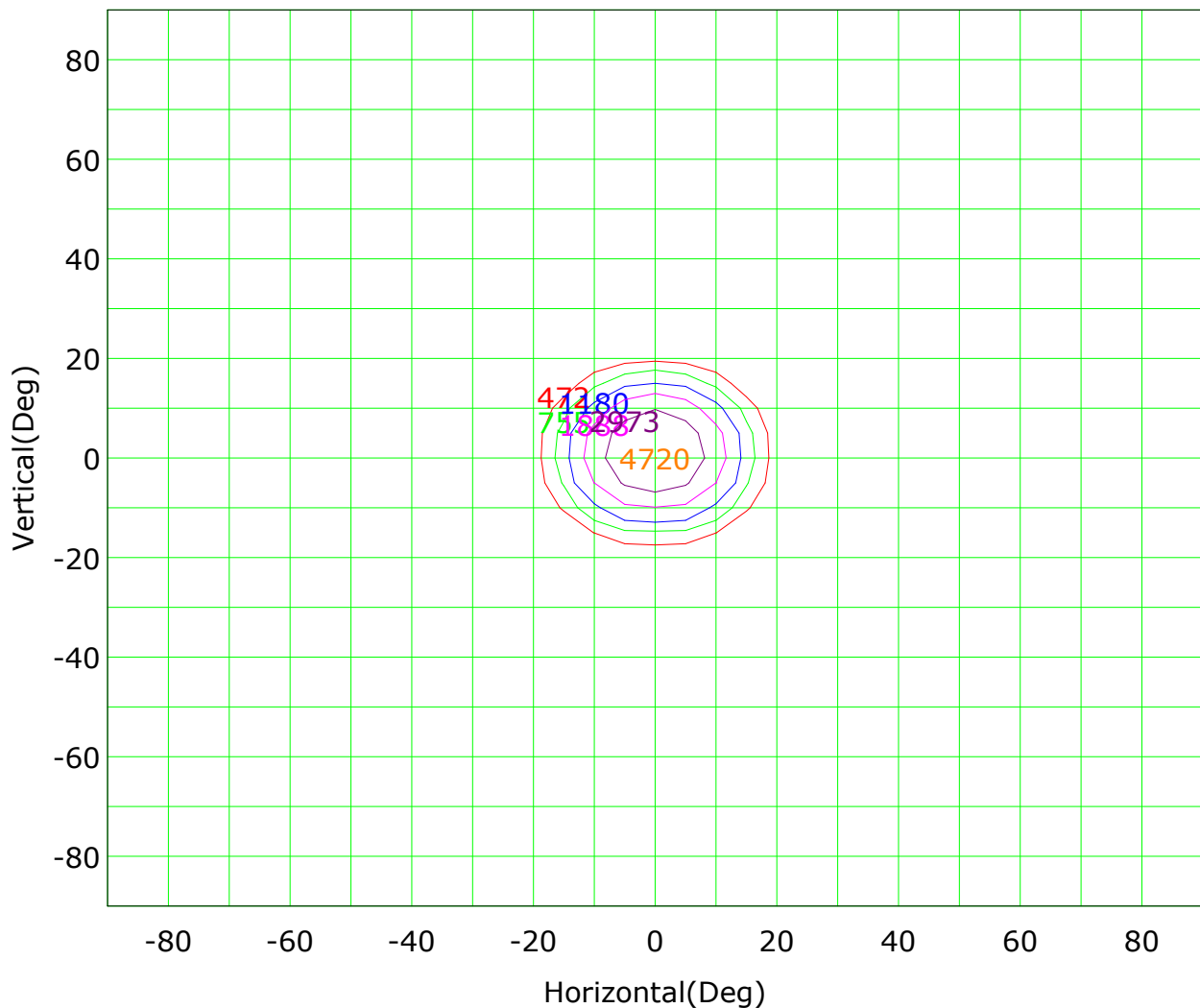
Luminous Intensity Distribution Curve



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%): 4720 cd

(10%): 472 cd	(16%): 755 cd
(25%): 1180 cd	(40%): 1888 cd
(63%): 2973 cd	(100%): 4720 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

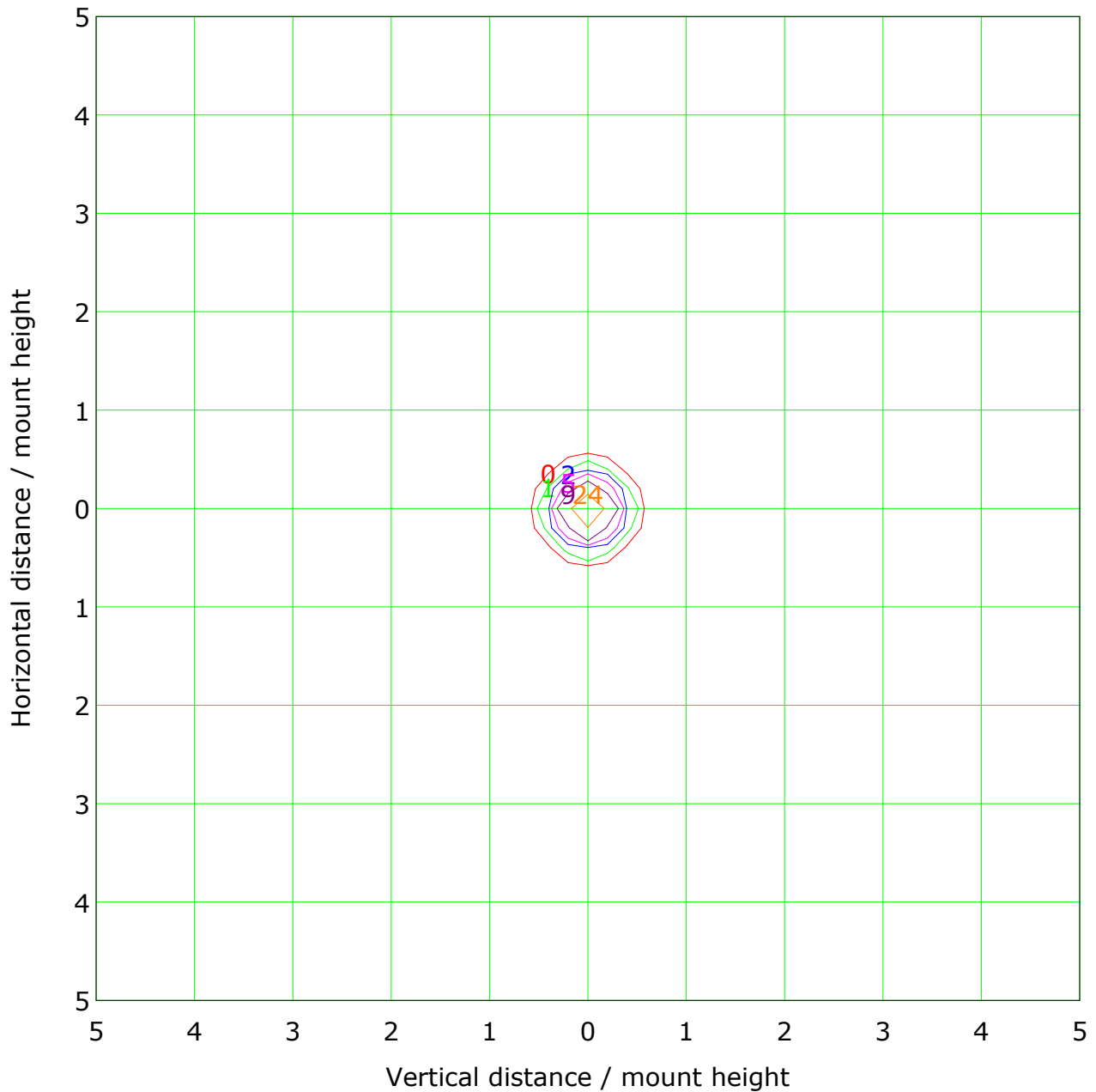
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 47 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	5 lx
(20%):	9 lx	(50%):	24 lx
(100%):	47 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

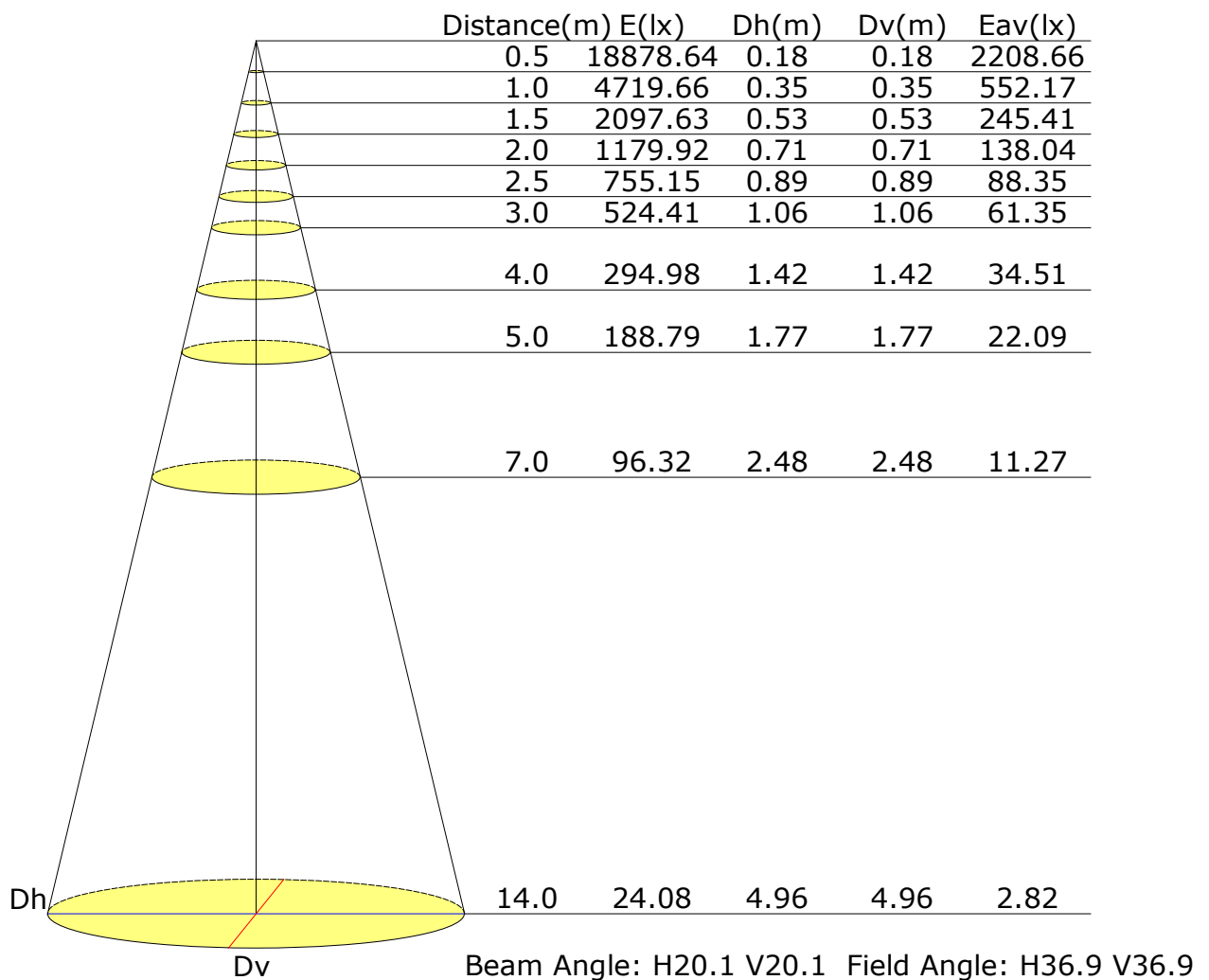
Test Device: CHL-6E

Distance: 3.000 m

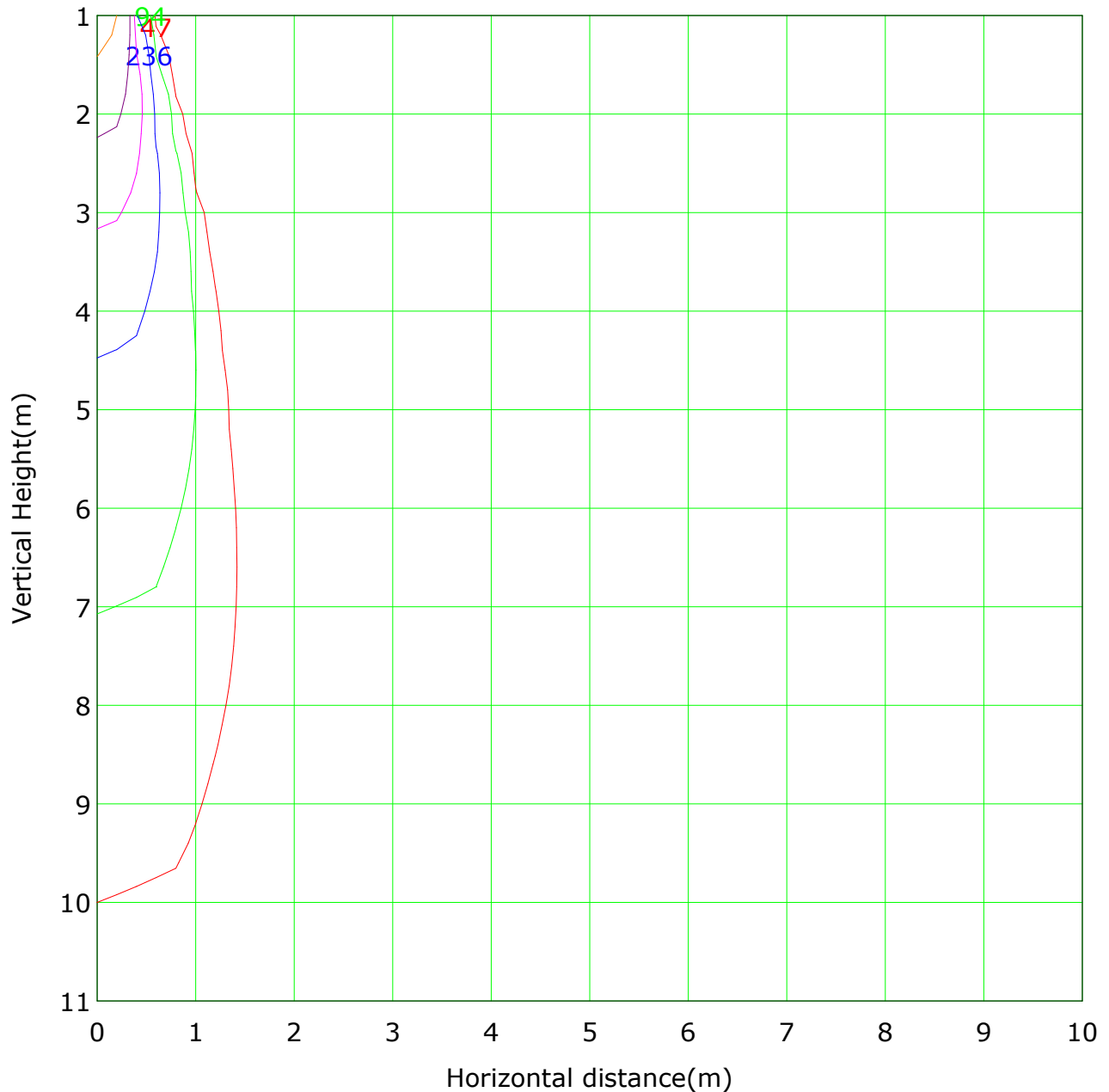
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



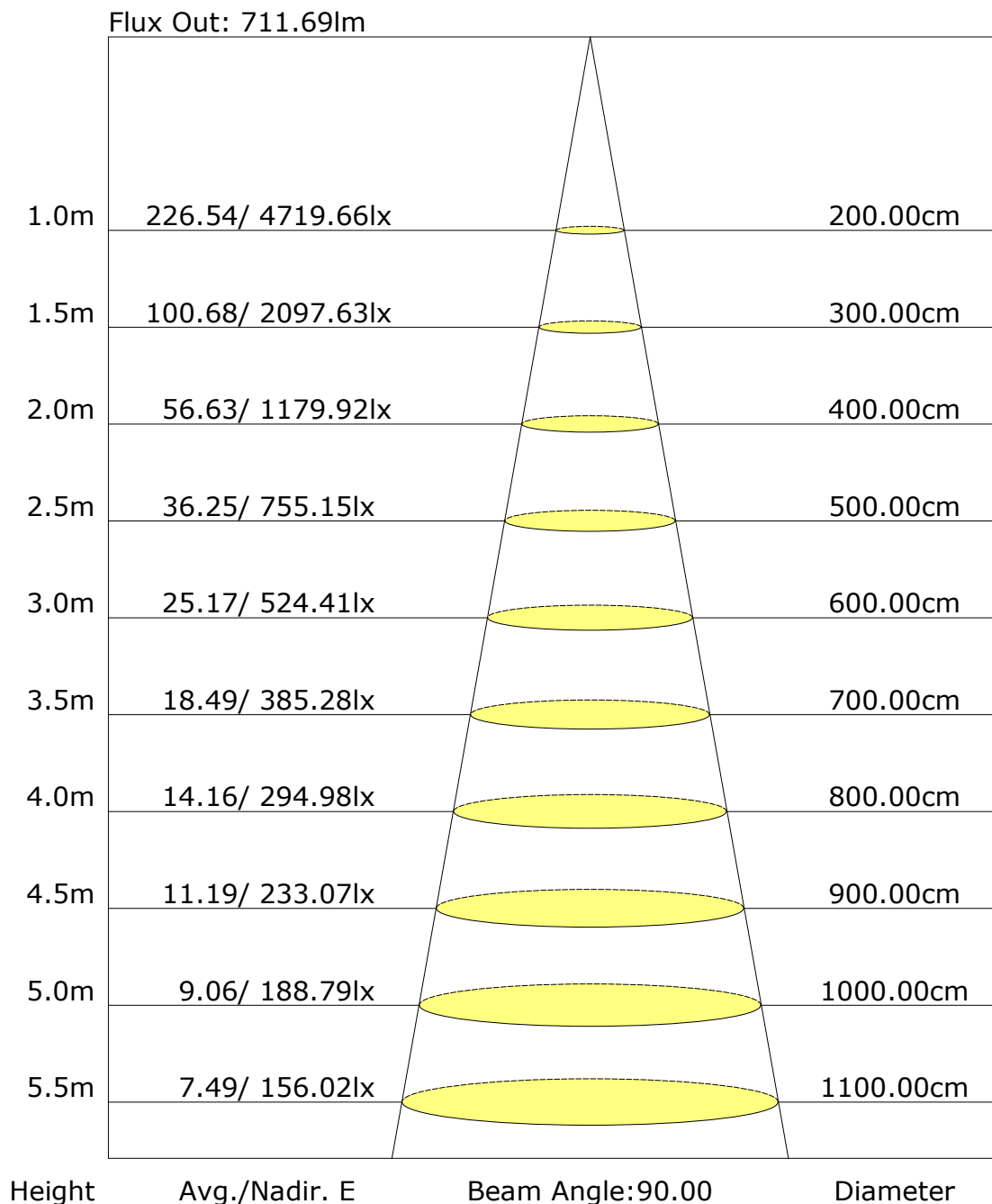
Lowest(m): 1m Highest(m): 11 Max Lux: 4720

(1%): 47 lx	(2%): 94 lx
(5%): 236 lx	(10%): 472 lx
(20%): 944 lx	(50%): 2360 lx
(100%): 4720 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: