

Report No.: 52.05518 SILO Downlight

Test Time: 2023-09-04 10:20

Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Voltage: 220.9 V

Current: 0.056 A

Power: 11.60 W

Power Factor: 0.932

Photometric Results

CIE Class: Direct

Measurement Flux: 734 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H39.9

Vertical Diffuse Angle(50%): V39.9

Luminaire Efficacy Rating (LER): 63

Max. Intensity: 1466.02 cd

Total Rated Lamp Lumens: 734.0 lm

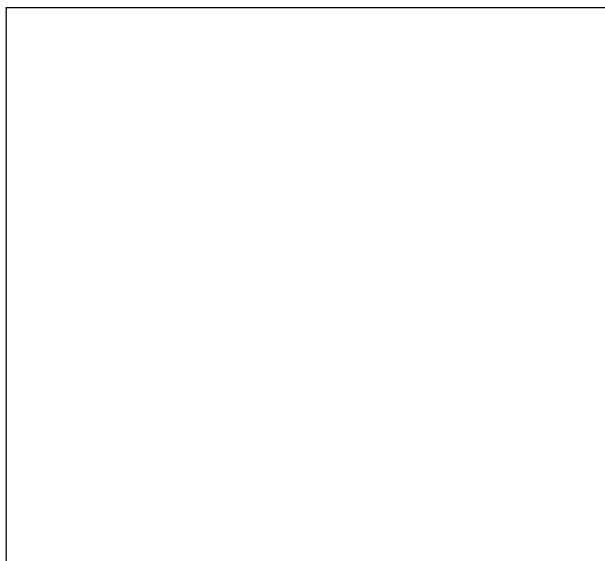
Efficiency: 100%

Upward Ratio: 0%

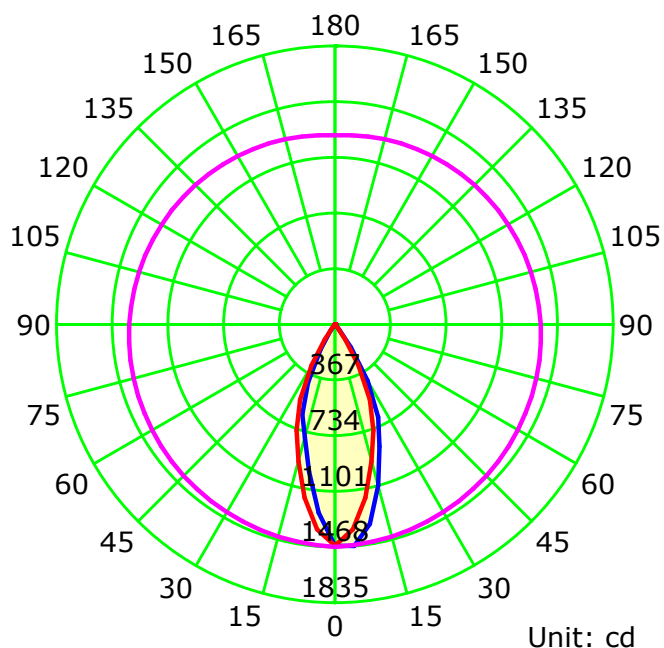
Central Intensity: 1457.94 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

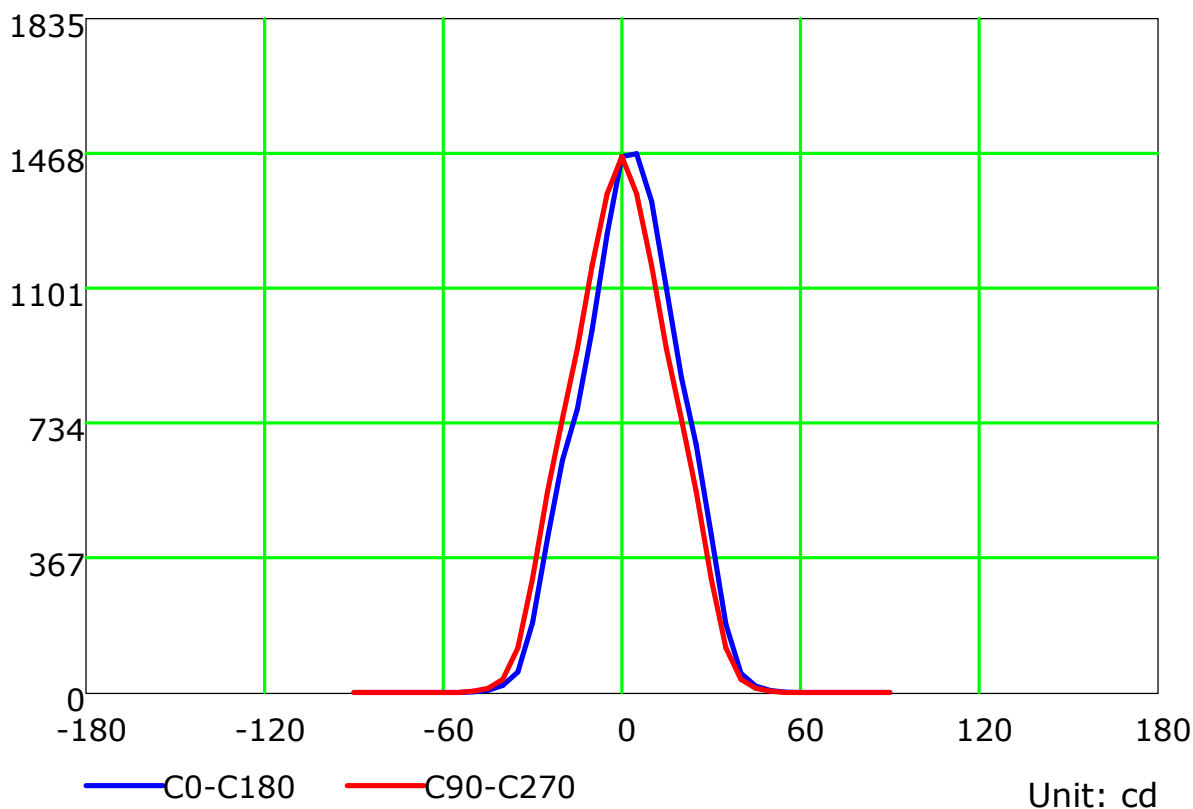
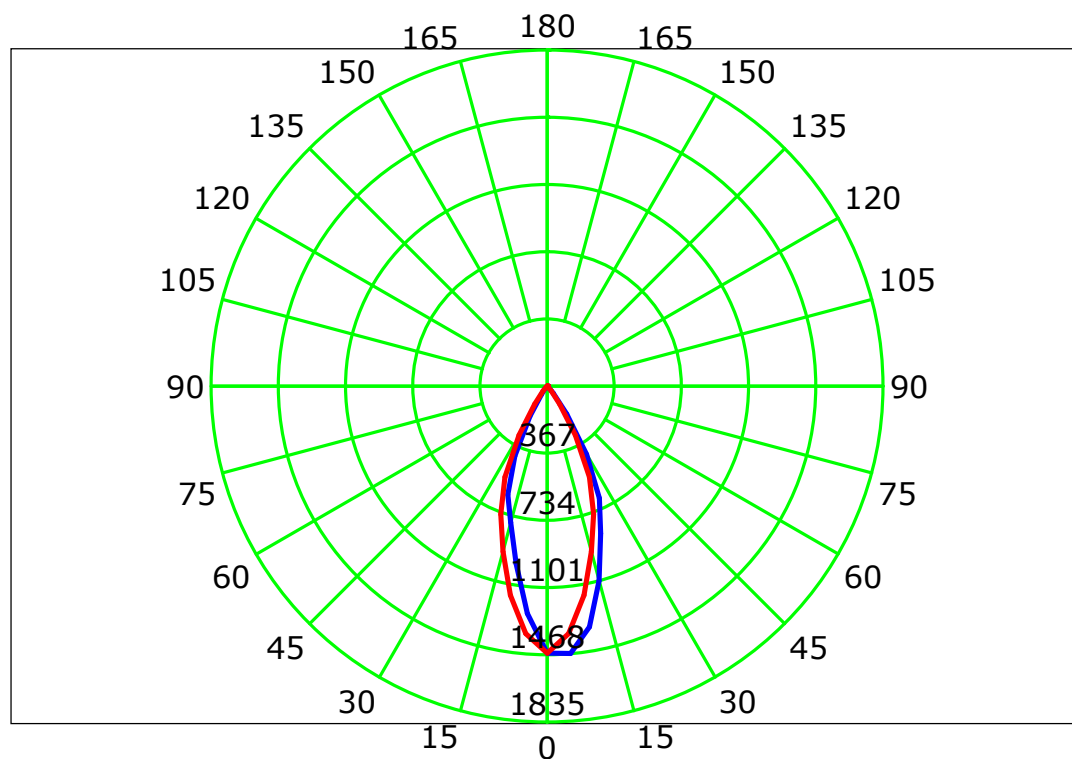
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

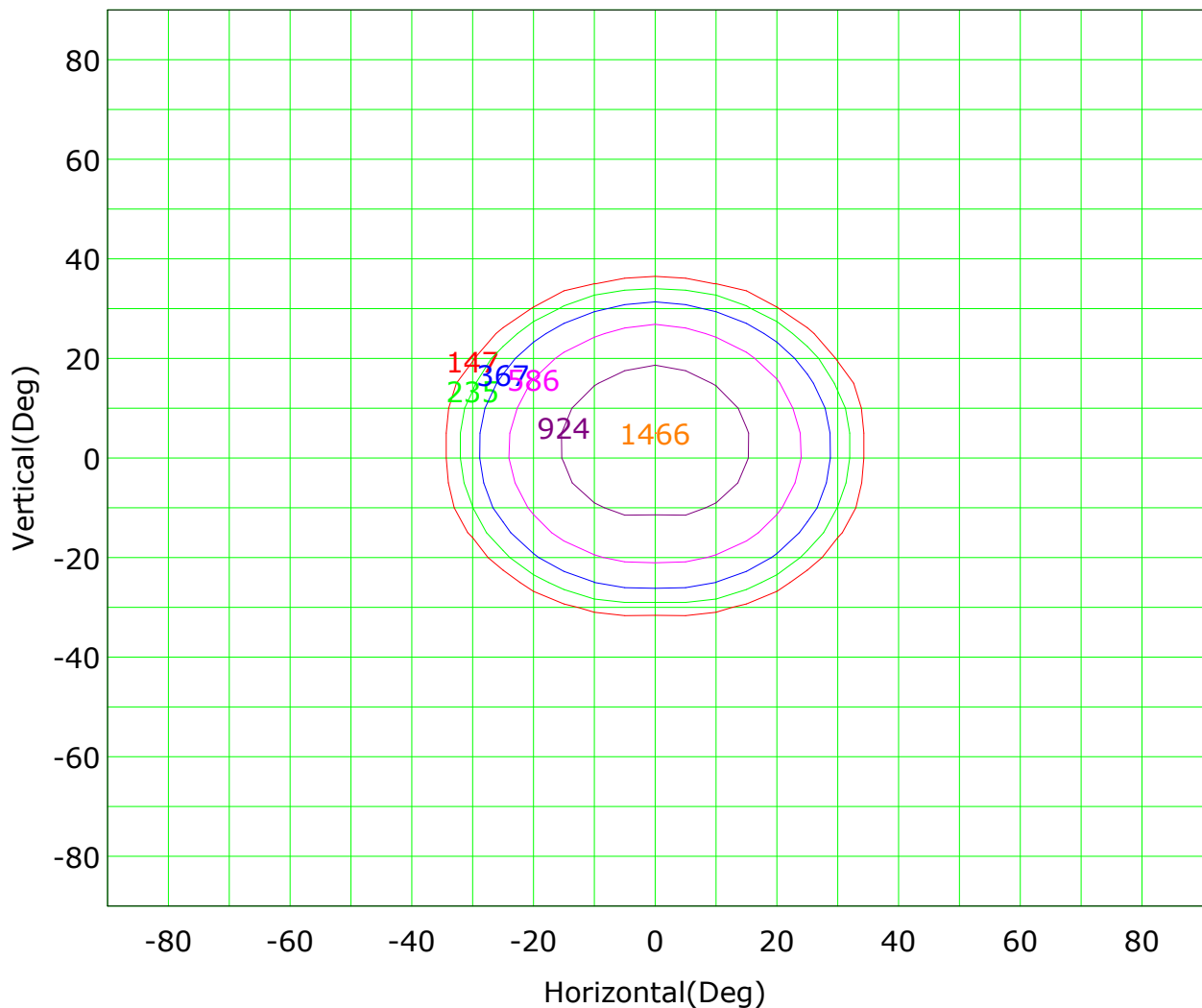
Luminous Intensity Distribution Curve



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%): 1466 cd

(10%): 147 cd	(16%): 235 cd
(25%): 367 cd	(40%): 586 cd
(63%): 924 cd	(100%): 1466 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

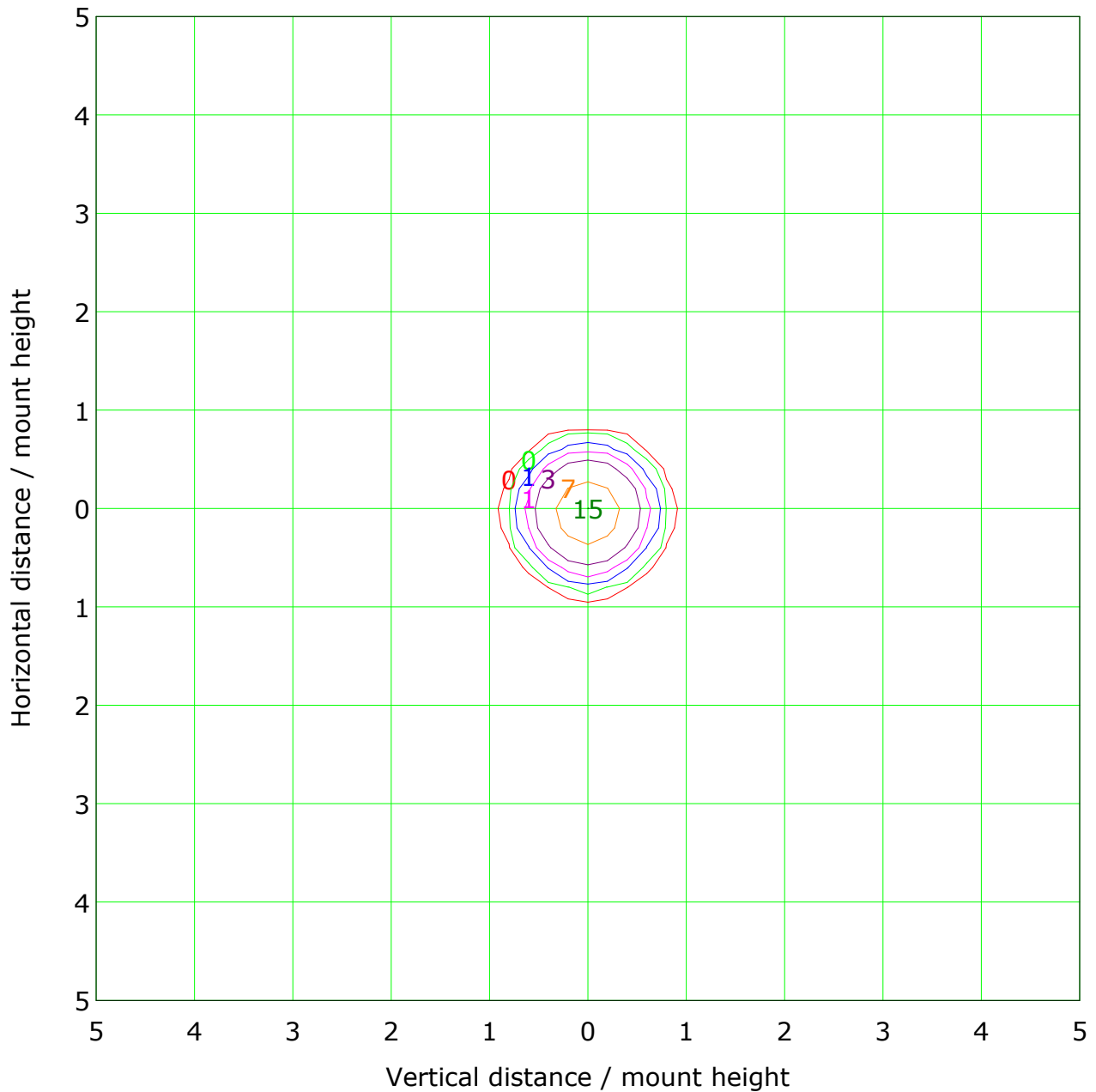
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 15 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	1 lx
— (20%):	3 lx	— (50%):	7 lx
— (100%):	15 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

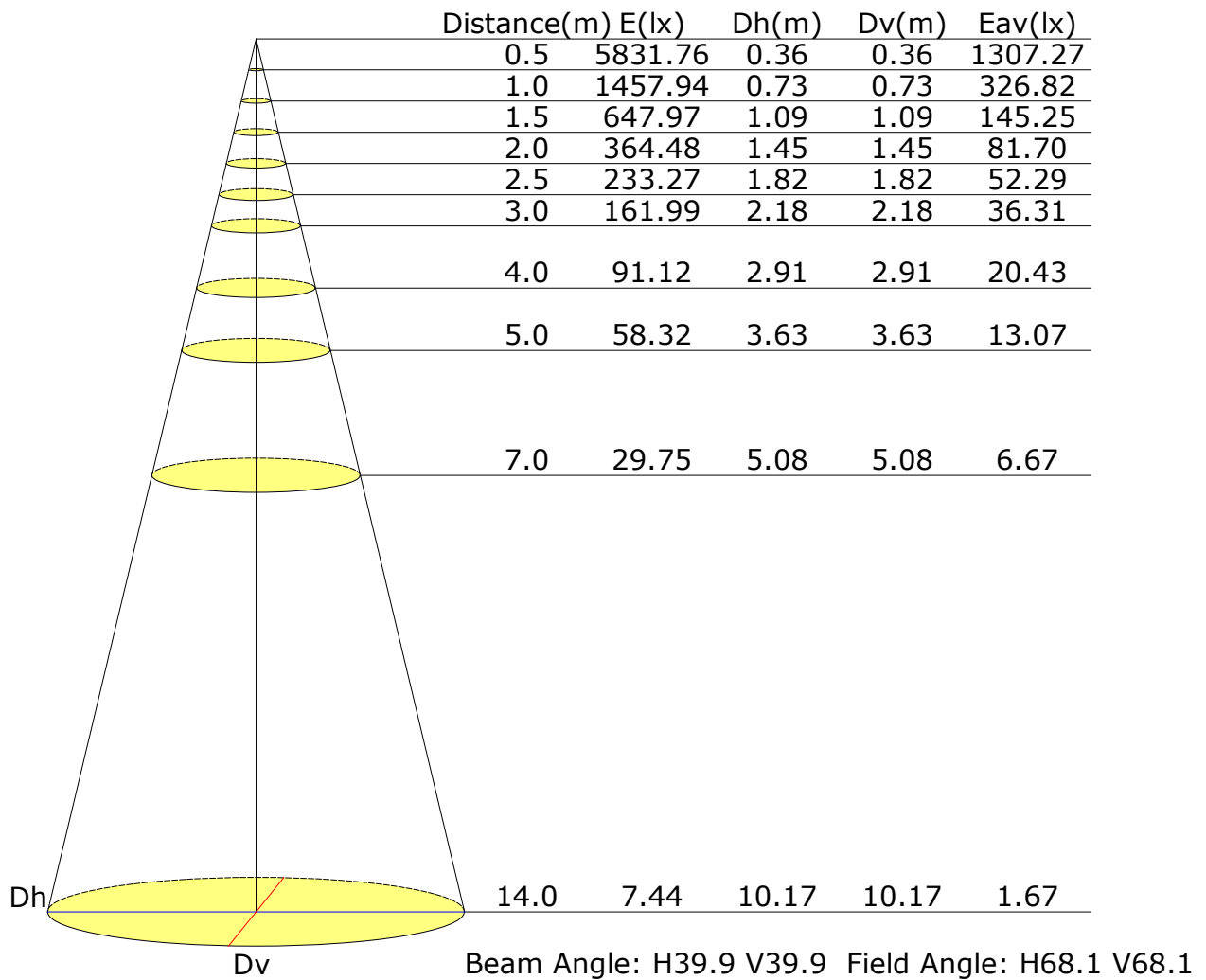
Test Device: CHL-6E

Distance: 3.000 m

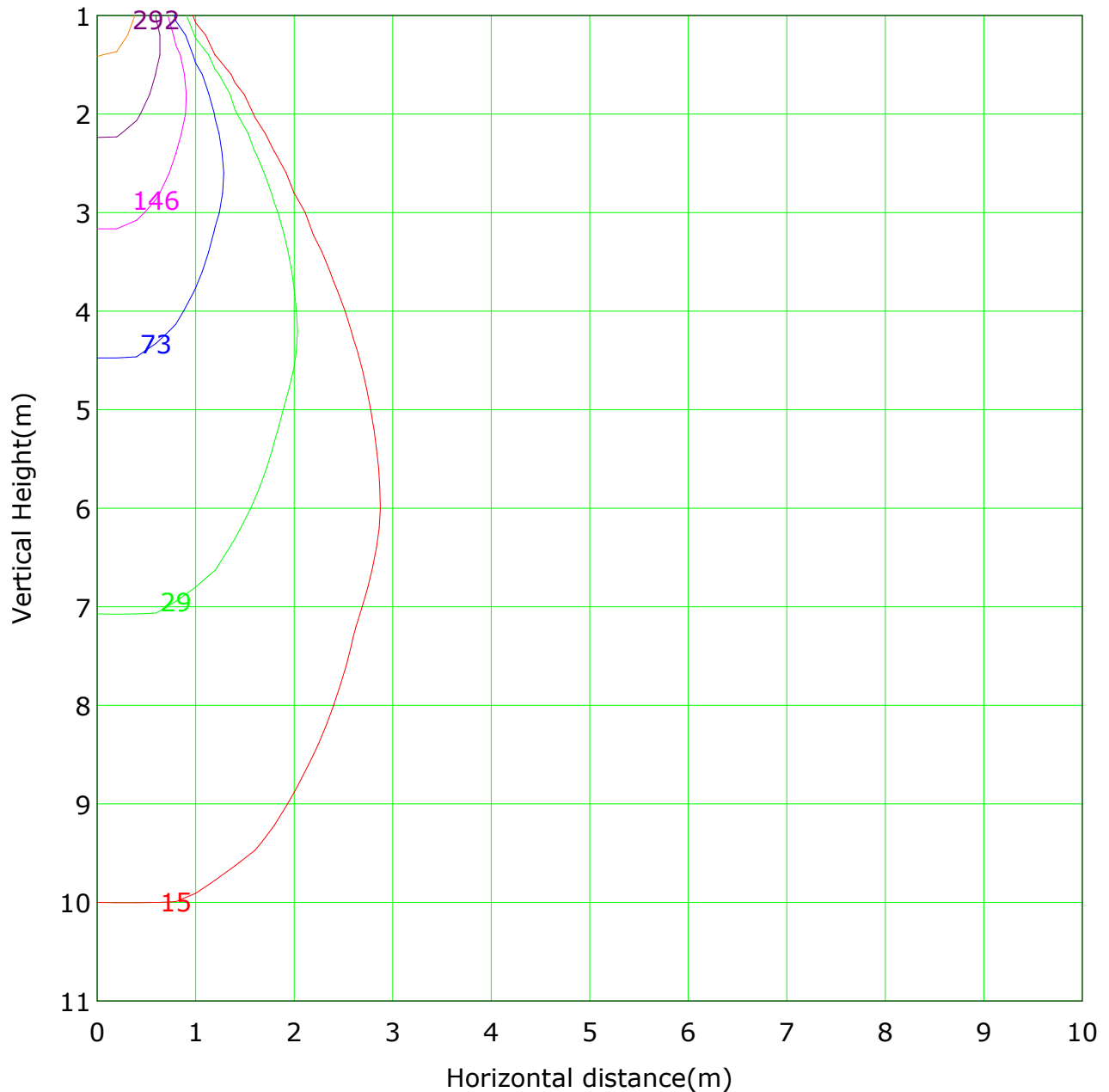
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

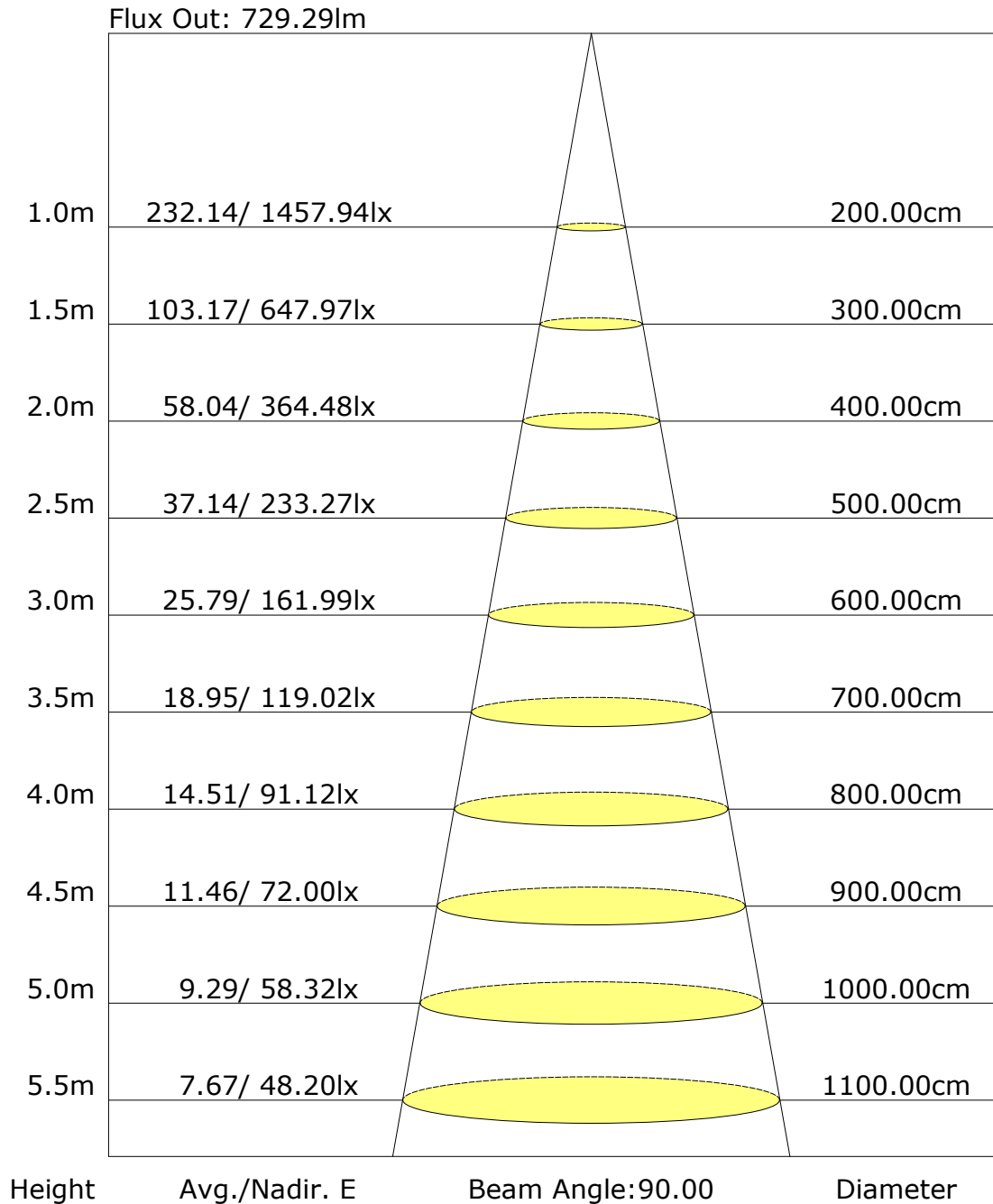


Lowest(m): 1m Highest(m): 11 Max Lux: 1458	
(1%): 15 lx	(2%): 29 lx
(5%): 73 lx	(10%): 146 lx
(20%): 292 lx	(50%): 729 lx
(100%): 1458 lx	

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: