

Report No.: 52.07517 SILO Downlight

Test Time: 2023-09-09 10:59

Luminaire Property

Luminaire Category: Bridgelux V10 F90 3000K CRI90

Voltage: 219.6 V

Current: 0.067 A

Power: 13.90 W

Power Factor: 0.948

Photometric Results

CIE Class: Direct

Measurement Flux: 1616.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H31.9

Vertical Diffuse Angle(50%): V31.9

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 5381.17 cd

Total Rated Lamp Lumens: 1616.6 lm

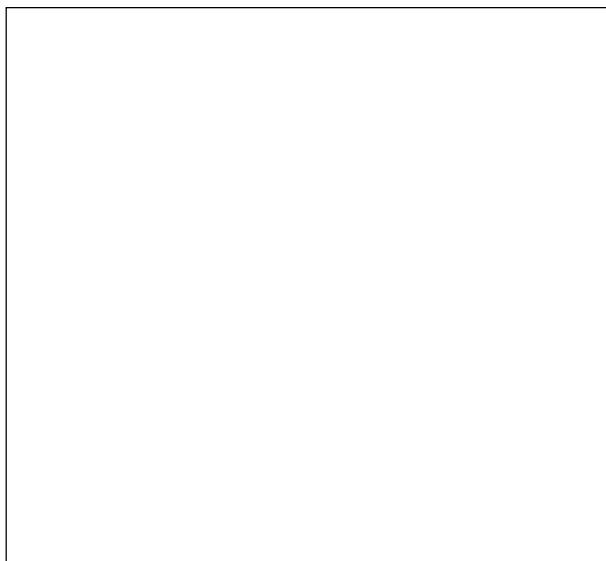
Efficiency: 100%

Upward Ratio: 0%

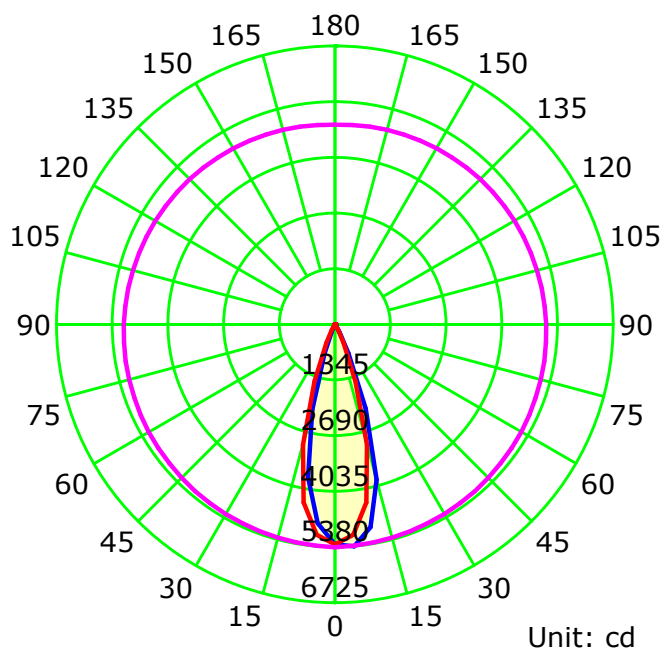
Central Intensity: 5311.26 cd

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

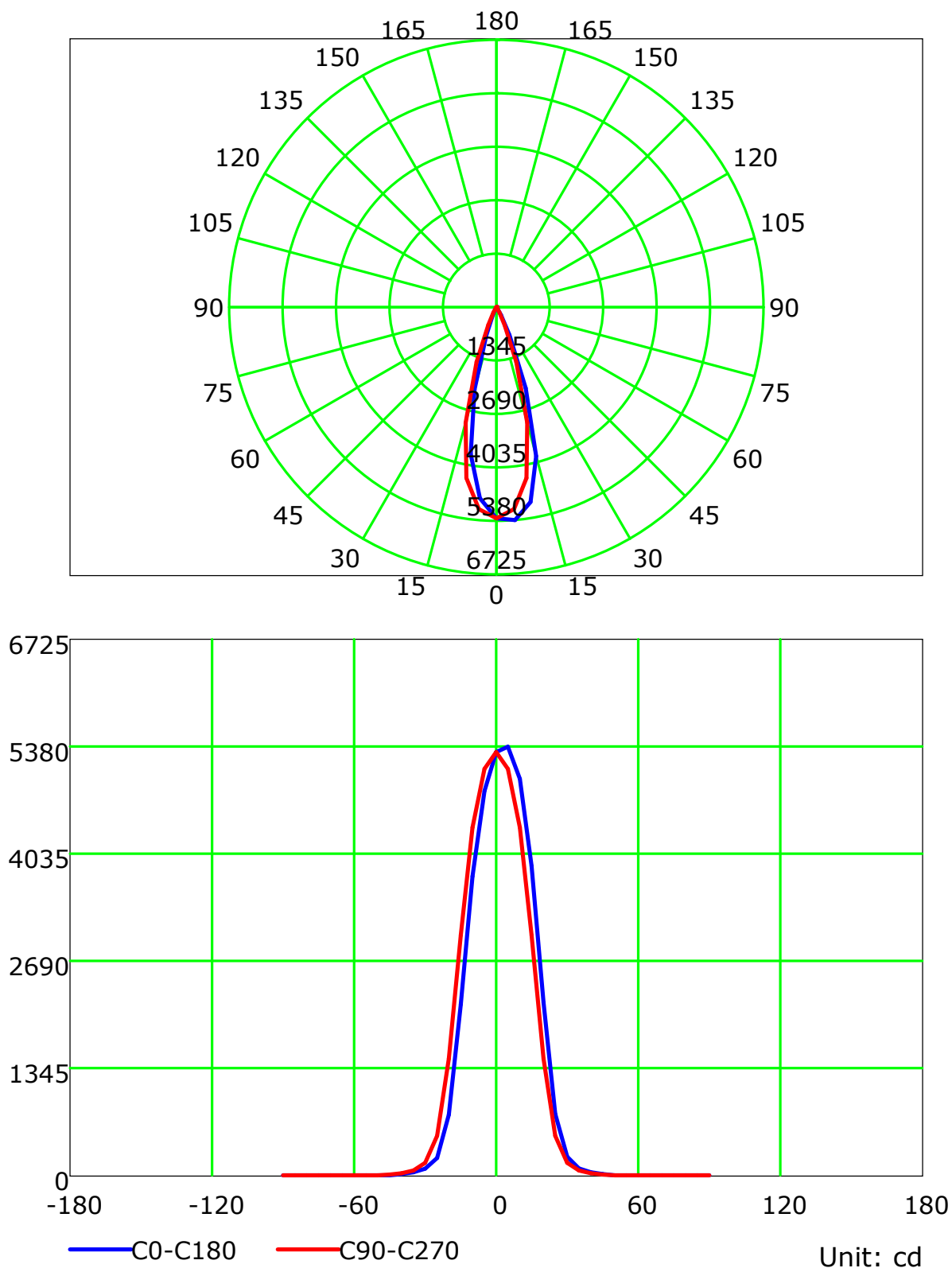
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

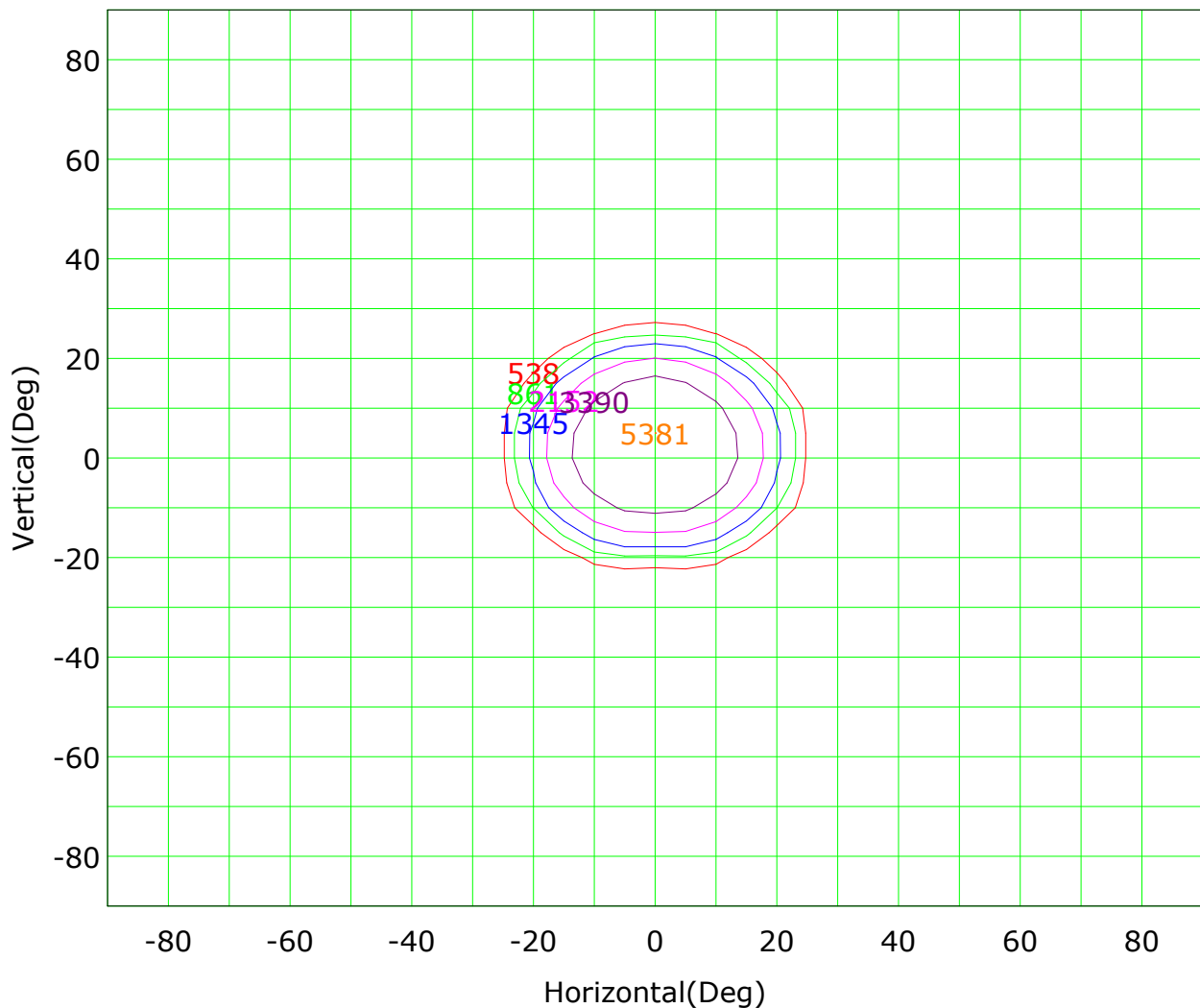
Luminous Intensity Distribution Curve



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%): 5381 cd

(10%): 538 cd	(16%): 861 cd
(25%): 1345 cd	(40%): 2152 cd
(63%): 3390 cd	(100%): 5381 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

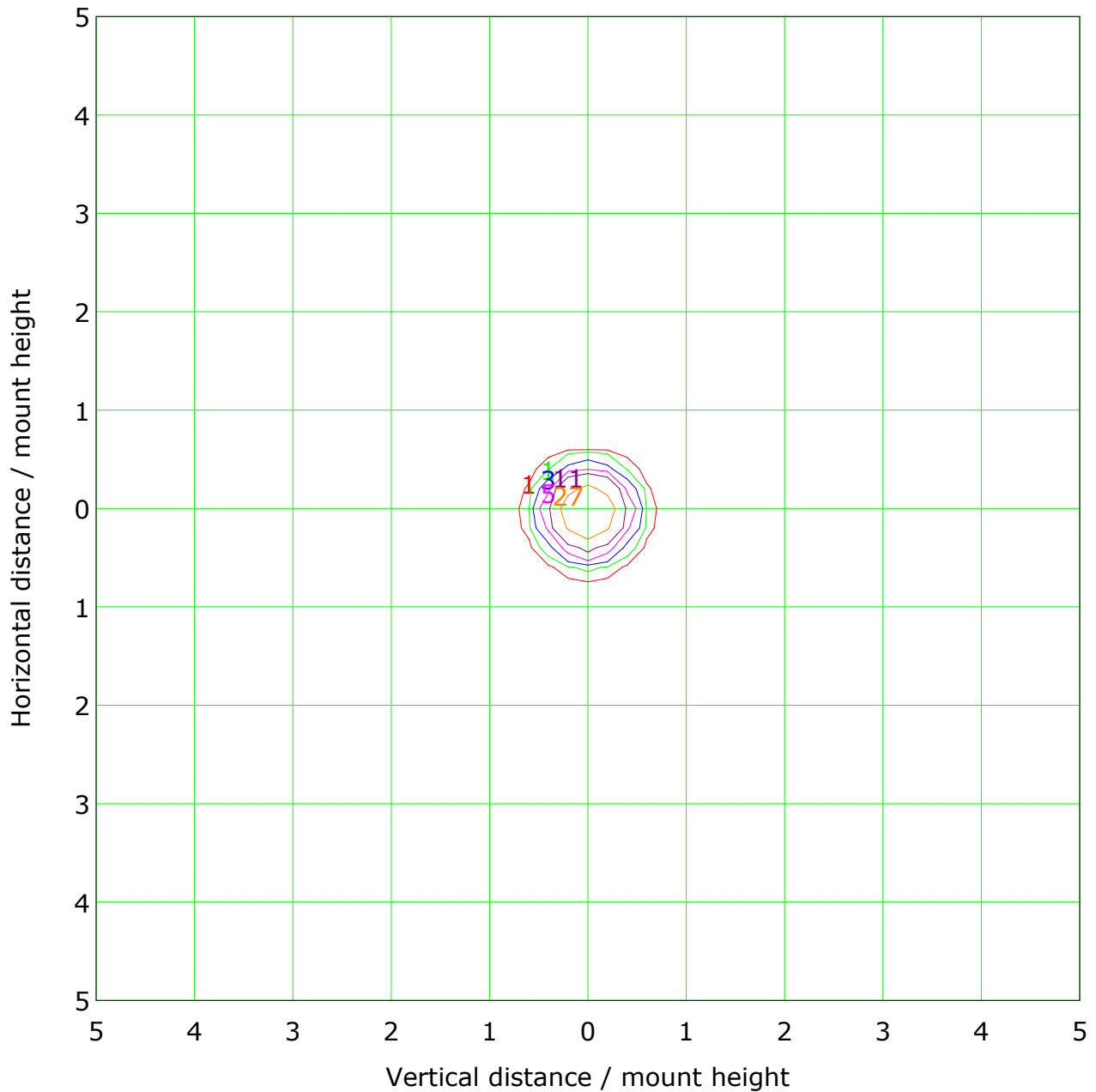
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 53 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	5 lx
(20%):	11 lx	(50%):	27 lx
(100%):	53 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

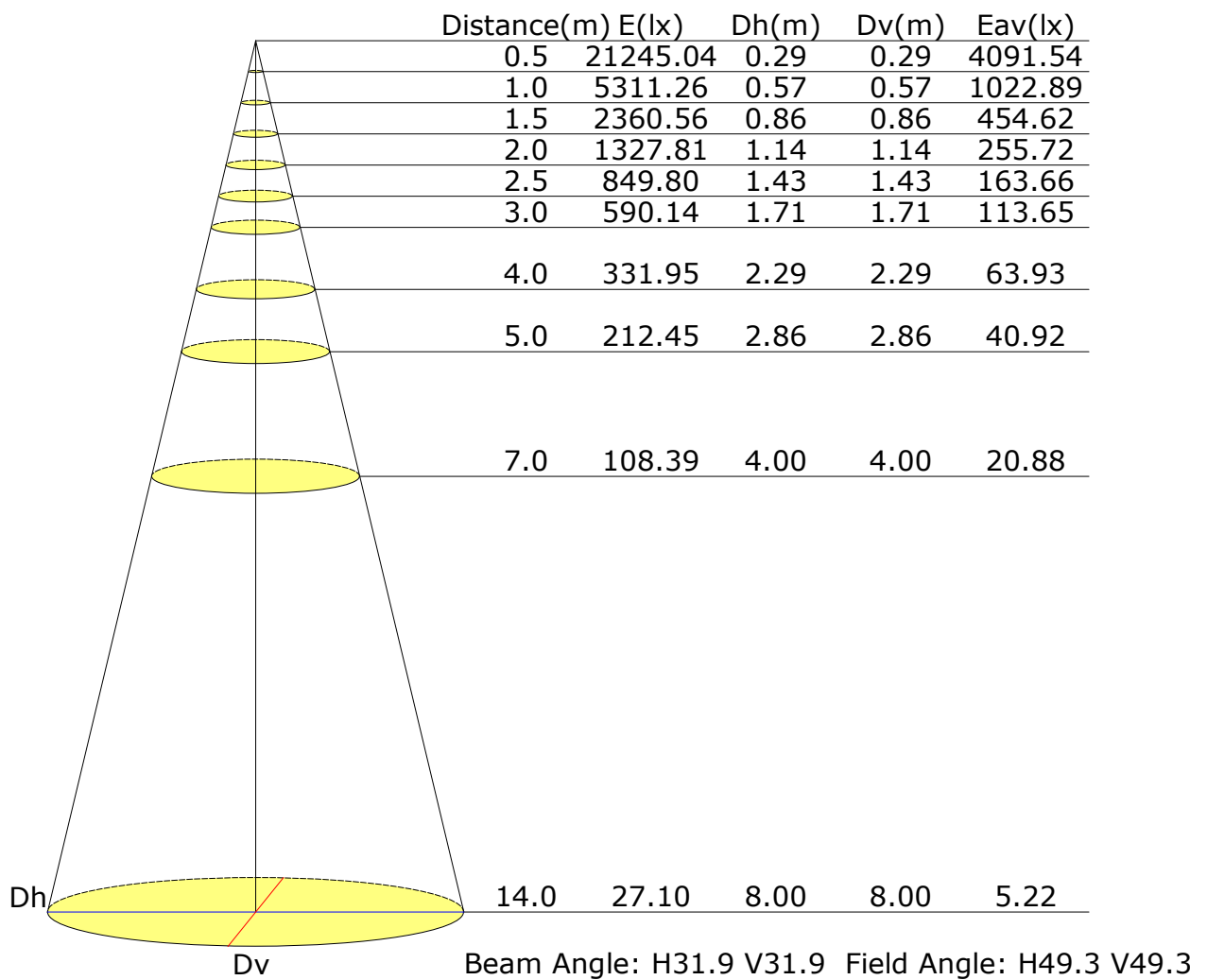
Test Device: CHL-6E

Distance: 3.000 m

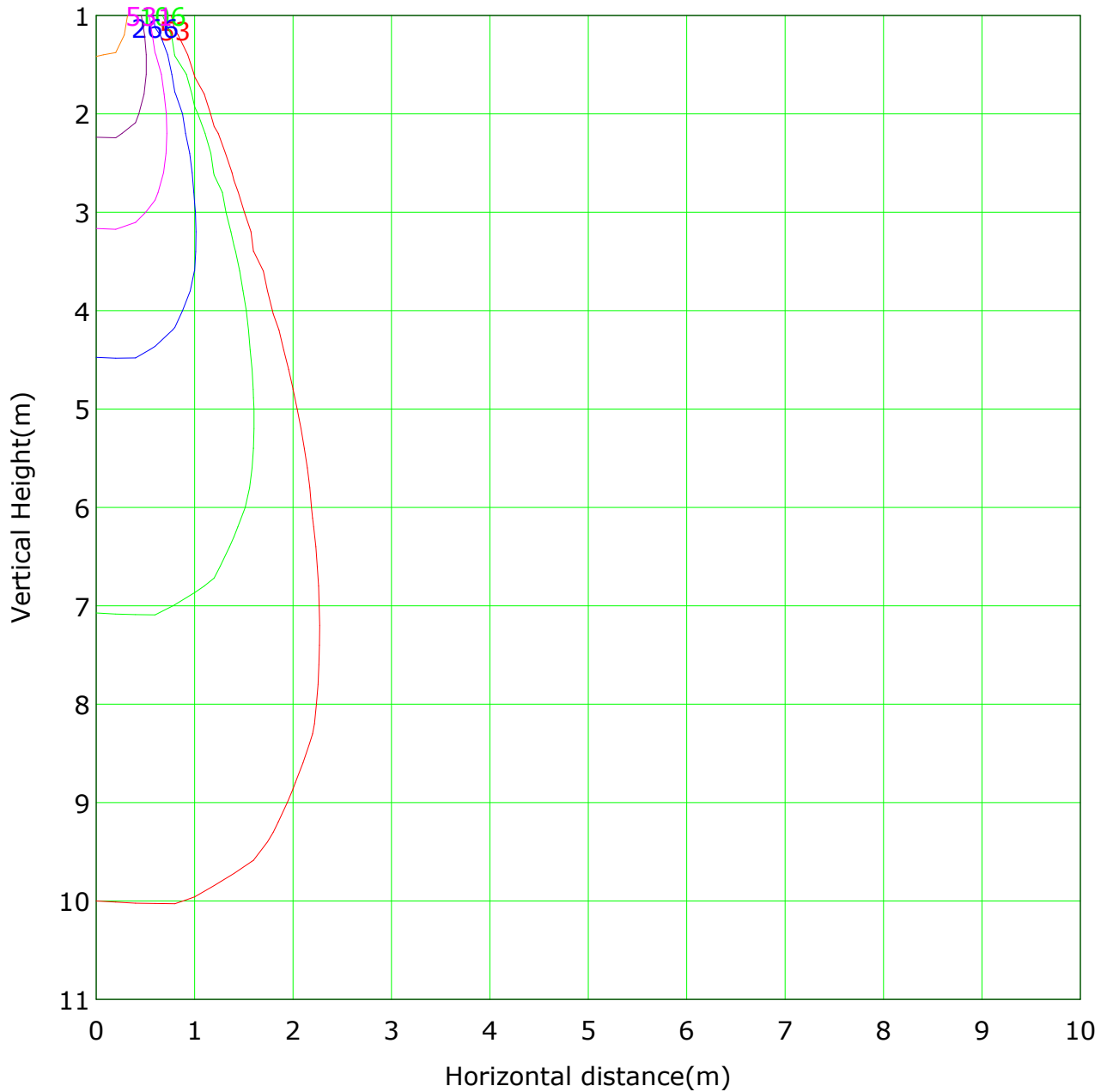
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



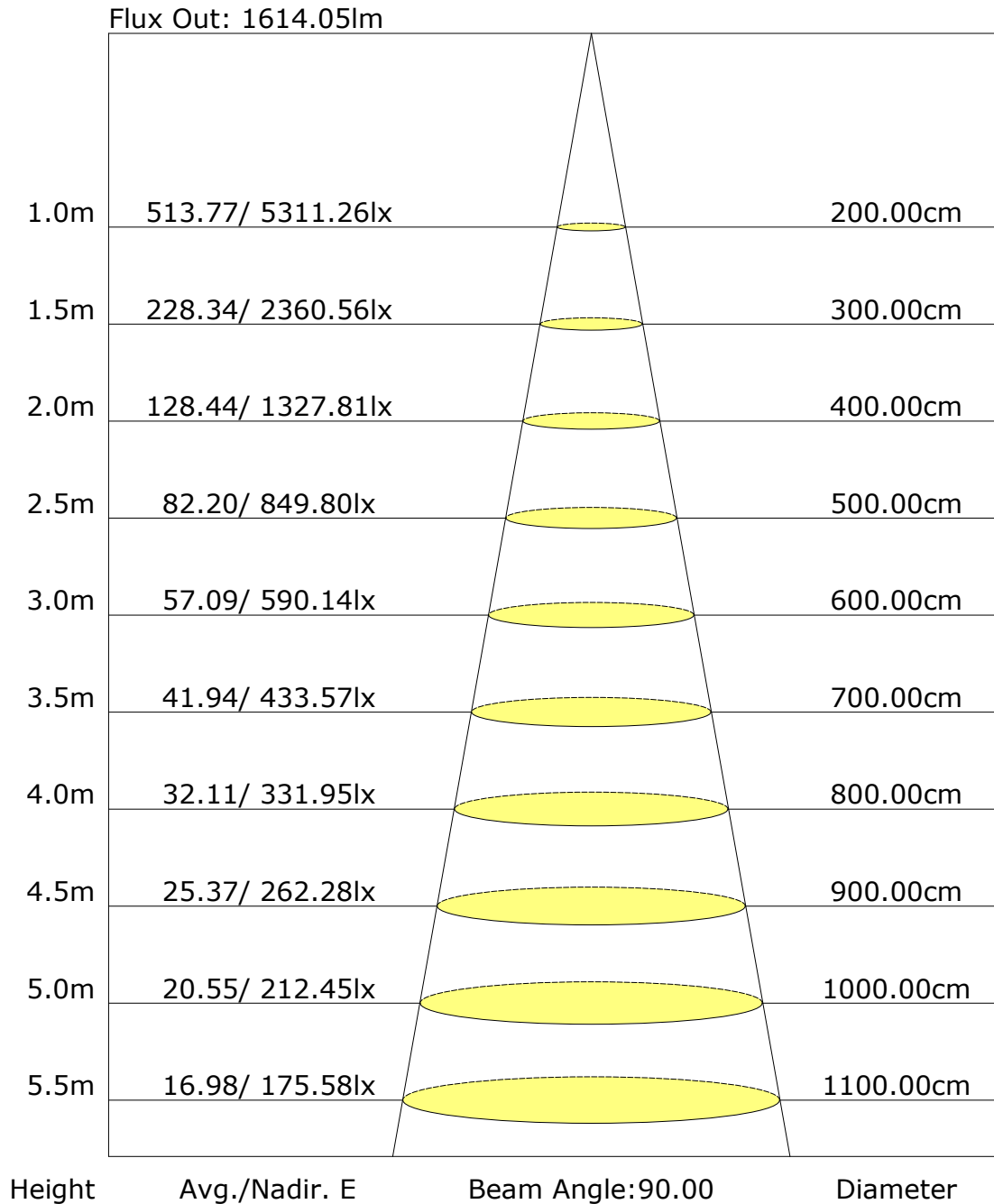
Lowest(m): 1m Highest(m): 11 Max Lux: 5311

(1%): 53 lx	(2%): 106 lx
(5%): 266 lx	(10%): 531 lx
(20%): 1062 lx	(50%): 2656 lx
(100%): 5311 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: