

Report No.: 51.07518 SILM Downlight

Test Time: 2023-09-19 10:29

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90

Voltage: 219.0 V

Current: 0.113 A

Power: 24.20 W

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Measurement Flux: 2647.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H40.6

Vertical Diffuse Angle(50%): V40.6

Luminaire Efficacy Rating (LER): 109

Max. Intensity: 5811.71 cd

Total Rated Lamp Lumens: 2647.6 lm

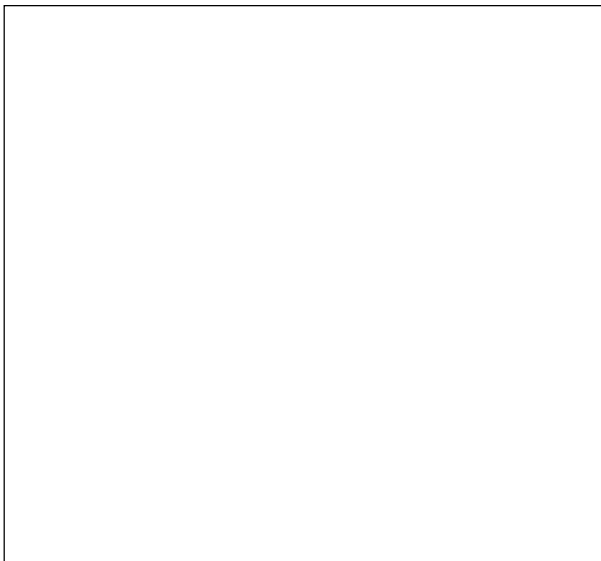
Efficiency: 100%

Upward Ratio: 0%

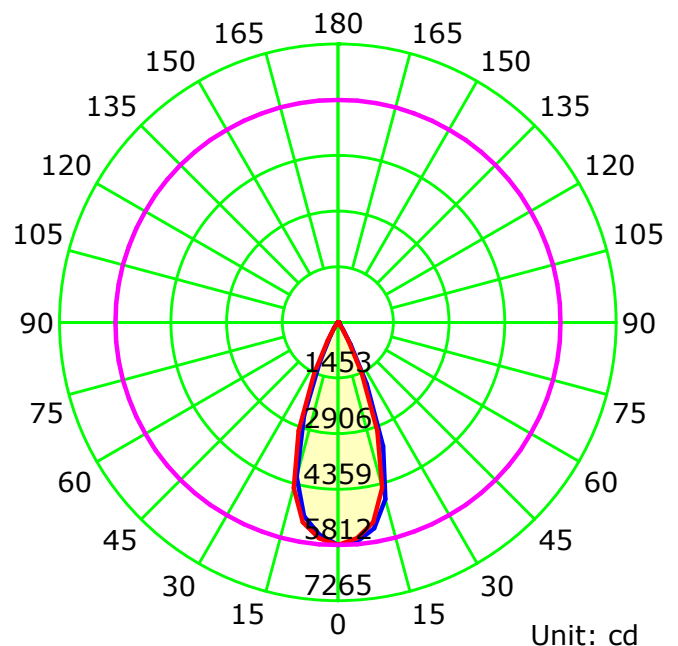
Central Intensity: 5811.7 cd

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

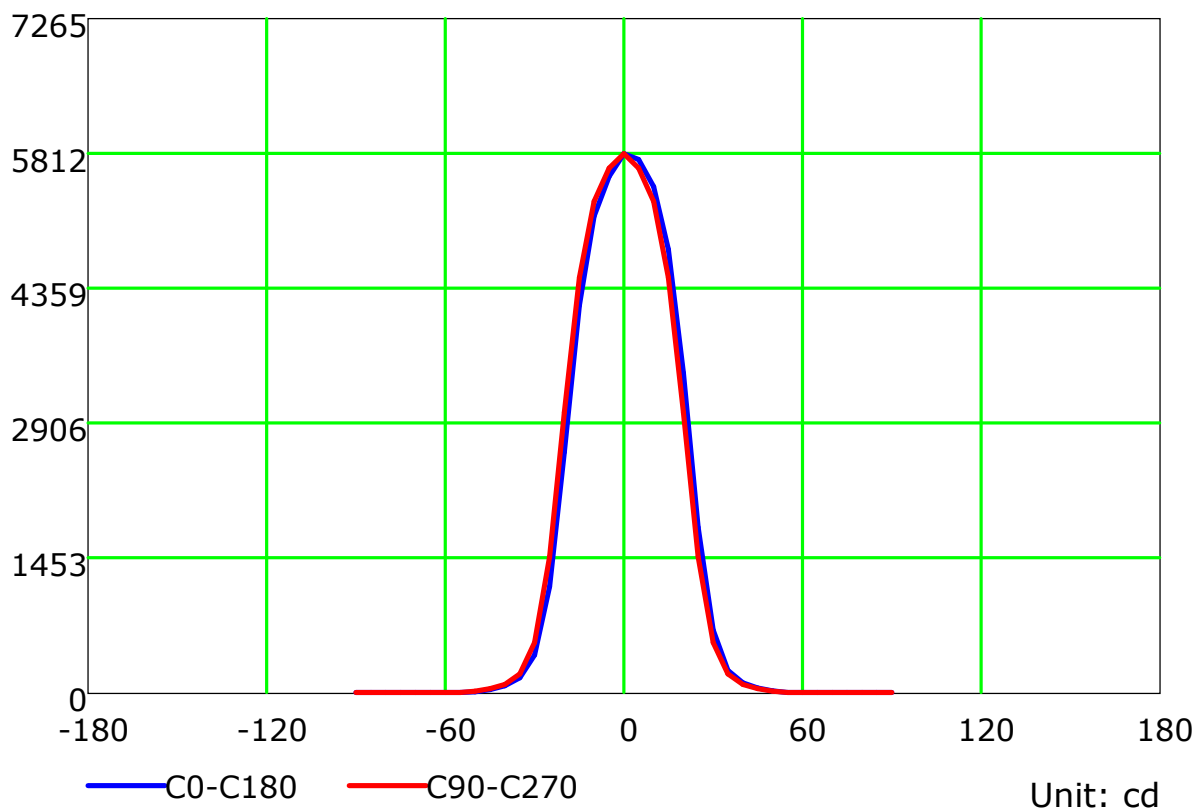
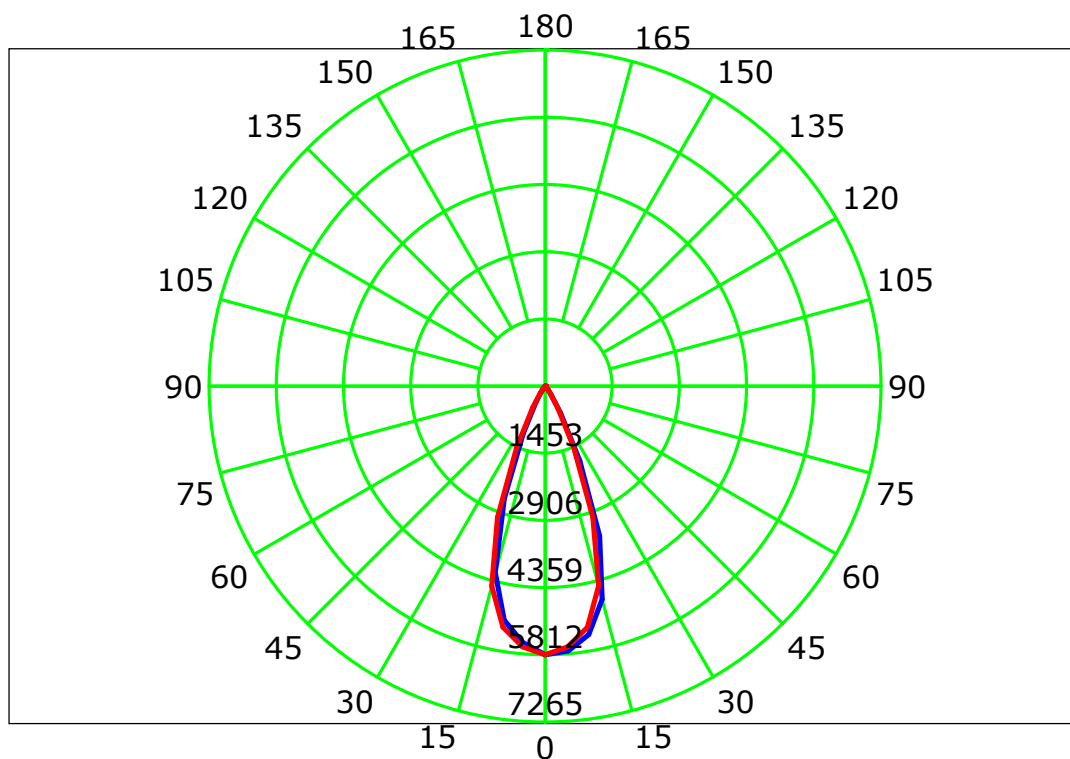
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

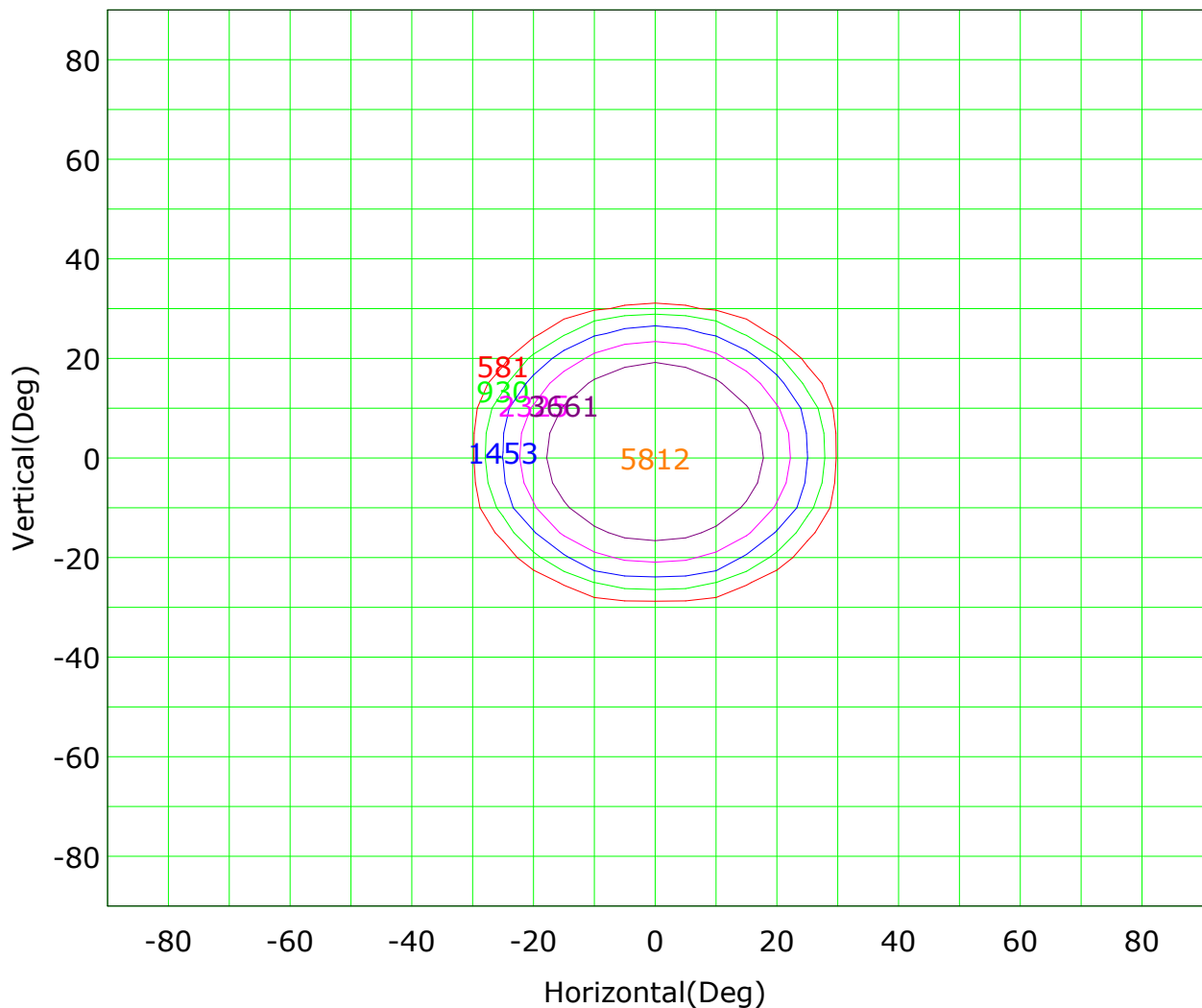
Luminous Intensity Distribution Curve



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%): 5812 cd

(10%): 581 cd	(16%): 930 cd
(25%): 1453 cd	(40%): 2325 cd
(63%): 3661 cd	(100%): 5812 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

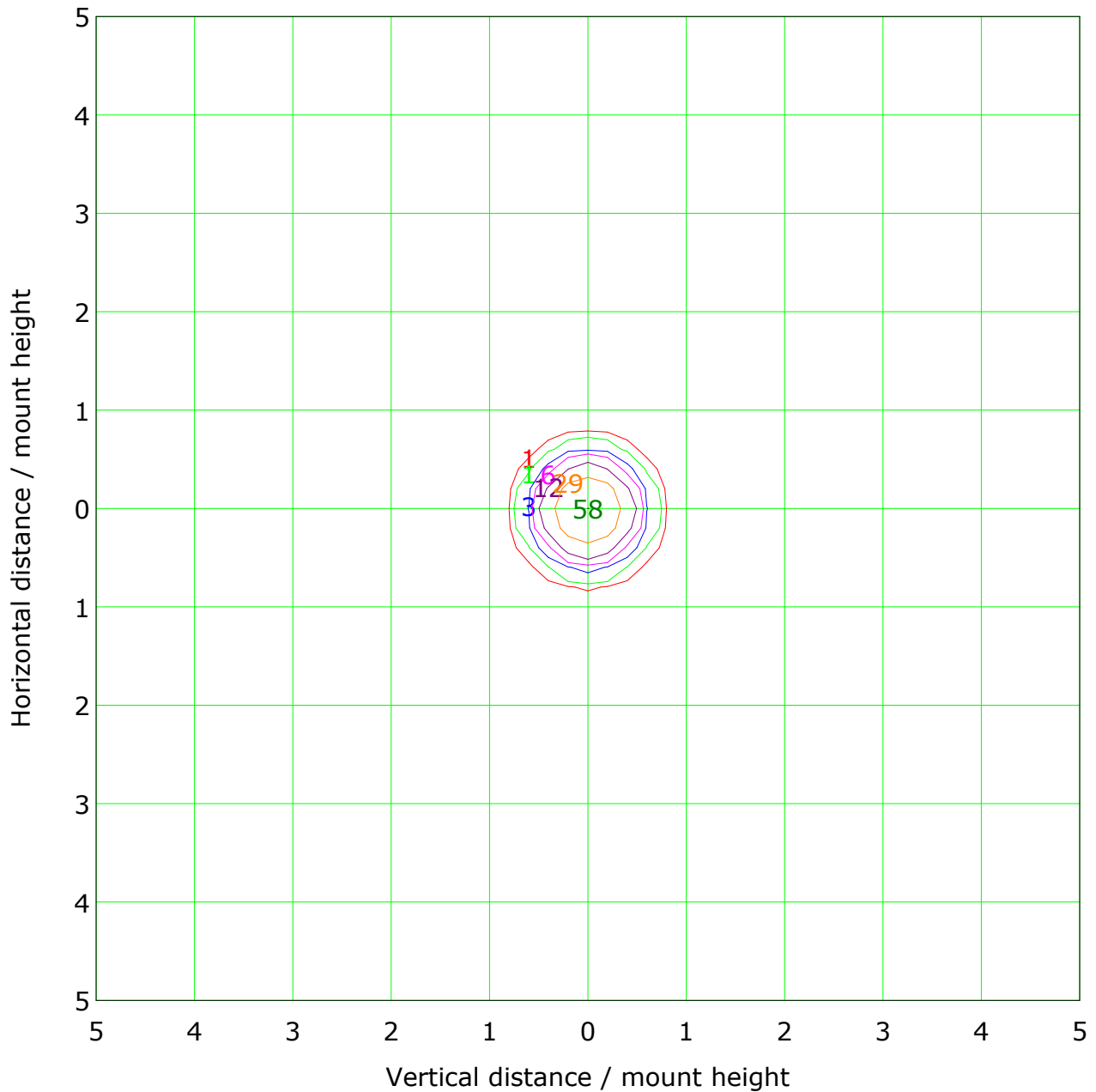
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

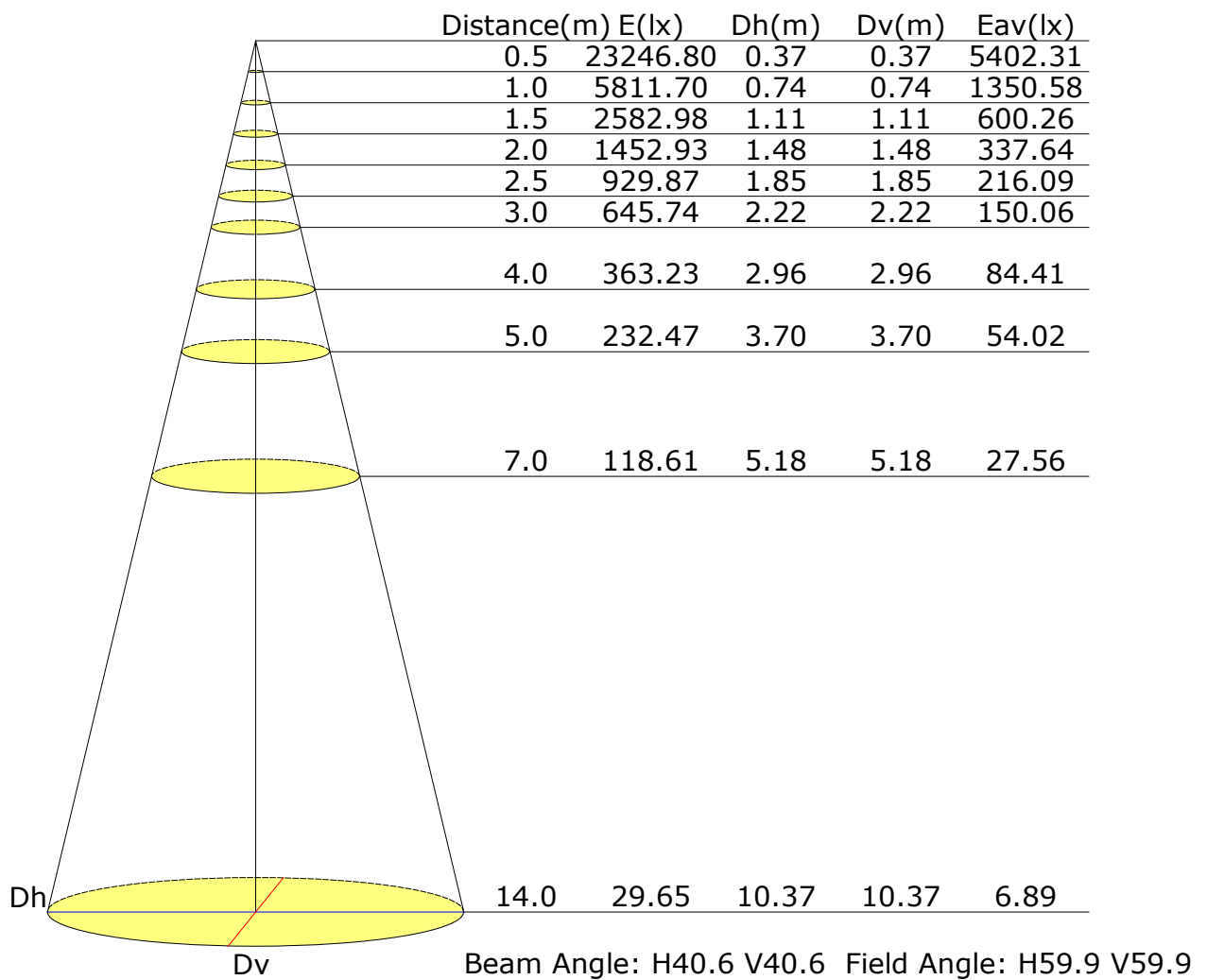


Mounting Height: 10m		Max Lux(100%): 58 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	6 lx
(20%):	12 lx	(50%):	29 lx
(100%):	58 lx		

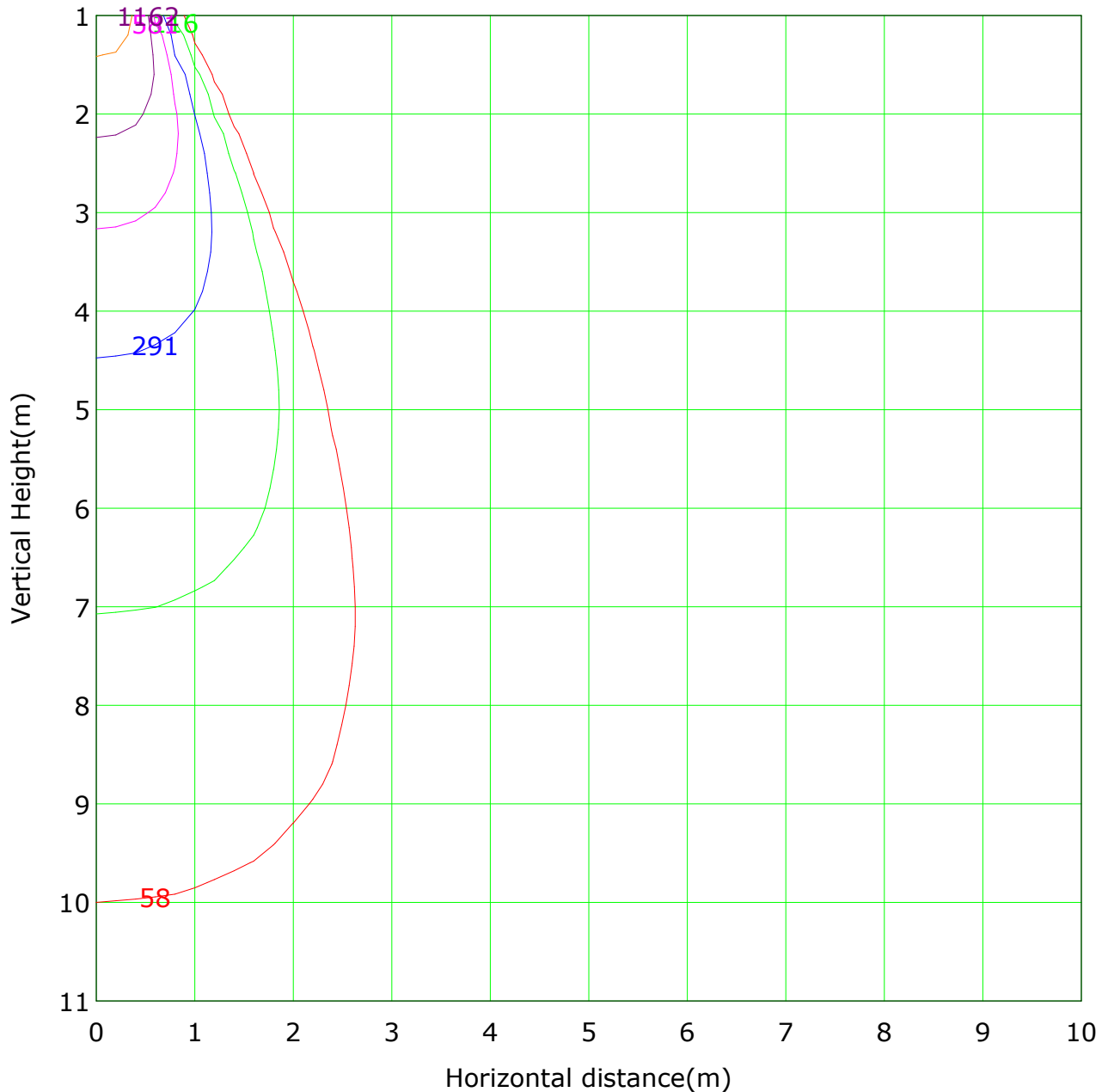
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



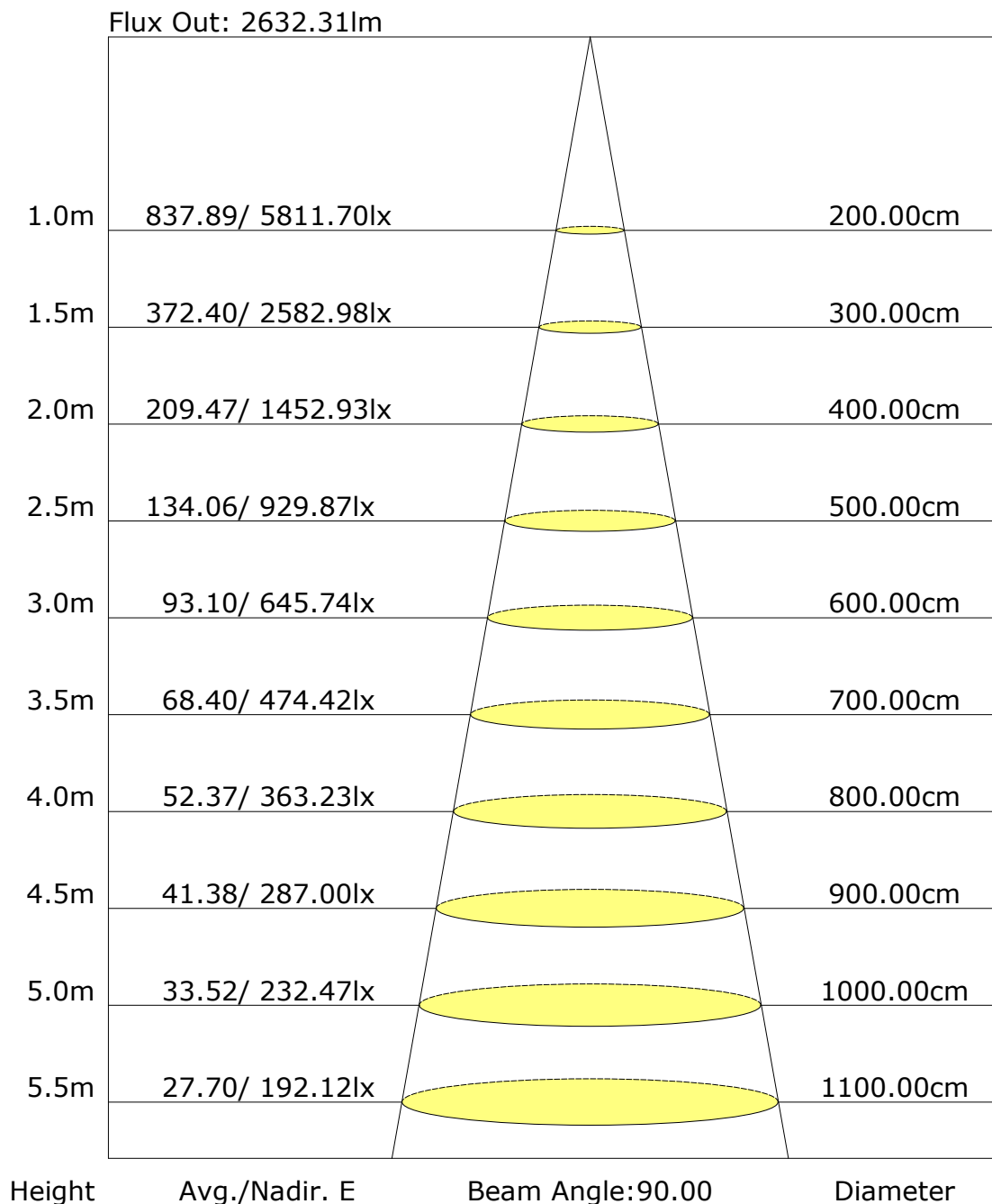
Lowest(m): 1m Highest(m): 11 Max Lux: 5812

(1%): 58 lx	(2%): 116 lx
(5%): 291 lx	(10%): 581 lx
(20%): 1162 lx	(50%): 2906 lx
(100%): 5812 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: