

Report No.: 52.09526 SILO Downlight

Test Time: 2023-09-09 11:35

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 222.4 V

Current: 0.130 A

Power: 28.00 W

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 2947.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H39.5

Vertical Diffuse Angle(50%): V39.5

Luminaire Efficacy Rating (LER): 105

Max. Intensity: 6863.21 cd

Total Rated Lamp Lumens: 2947.3 lm

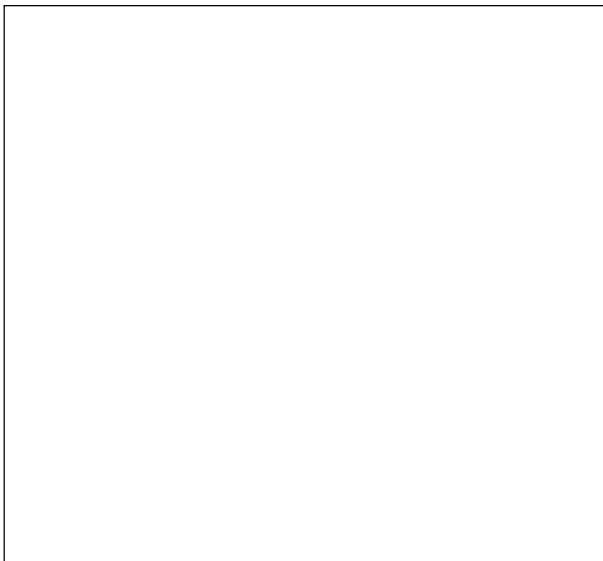
Efficiency: 100%

Upward Ratio: 0%

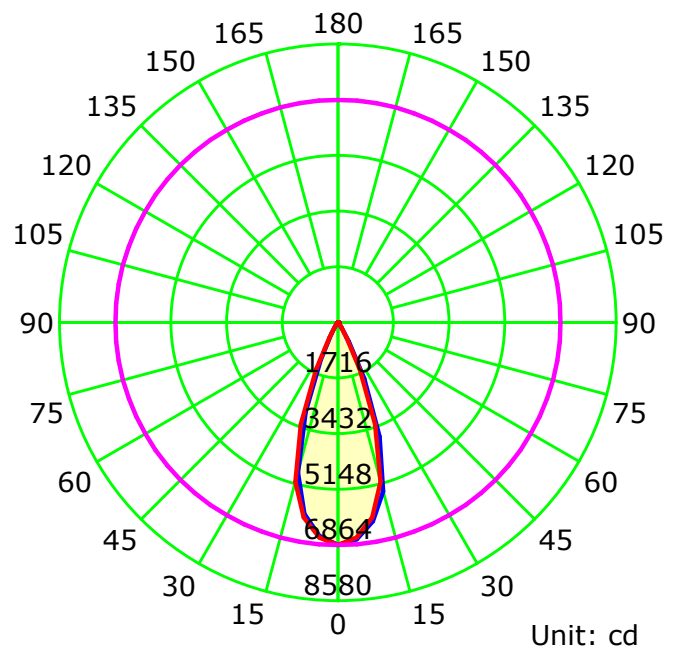
Central Intensity: 6863.21 cd

Pos of Max. Intensity: H0 V0

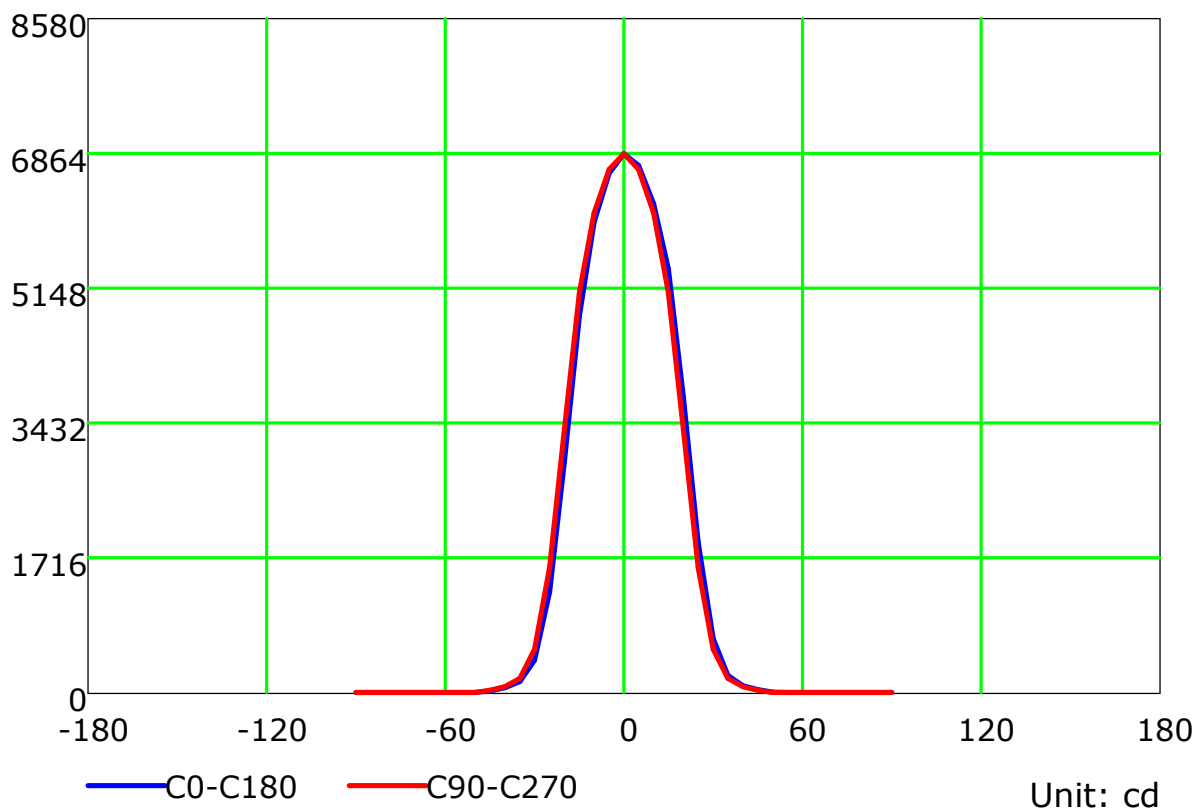
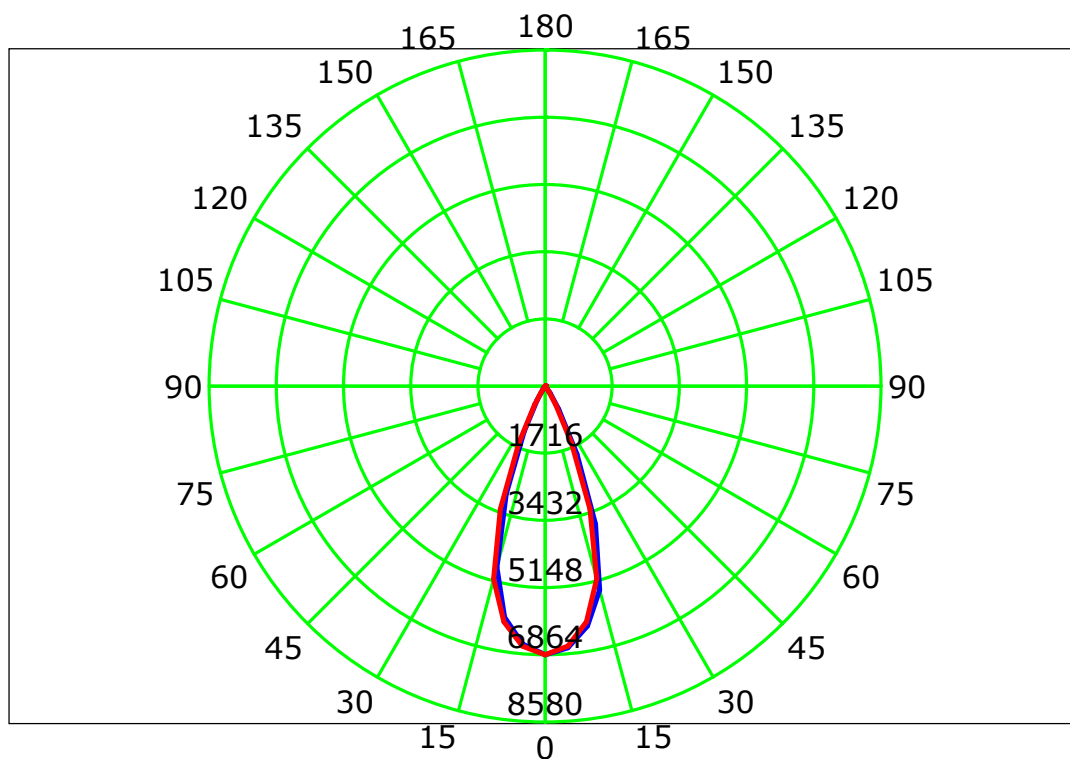
Picture Of Luminaire



Luminous Intensity Distribution Curve



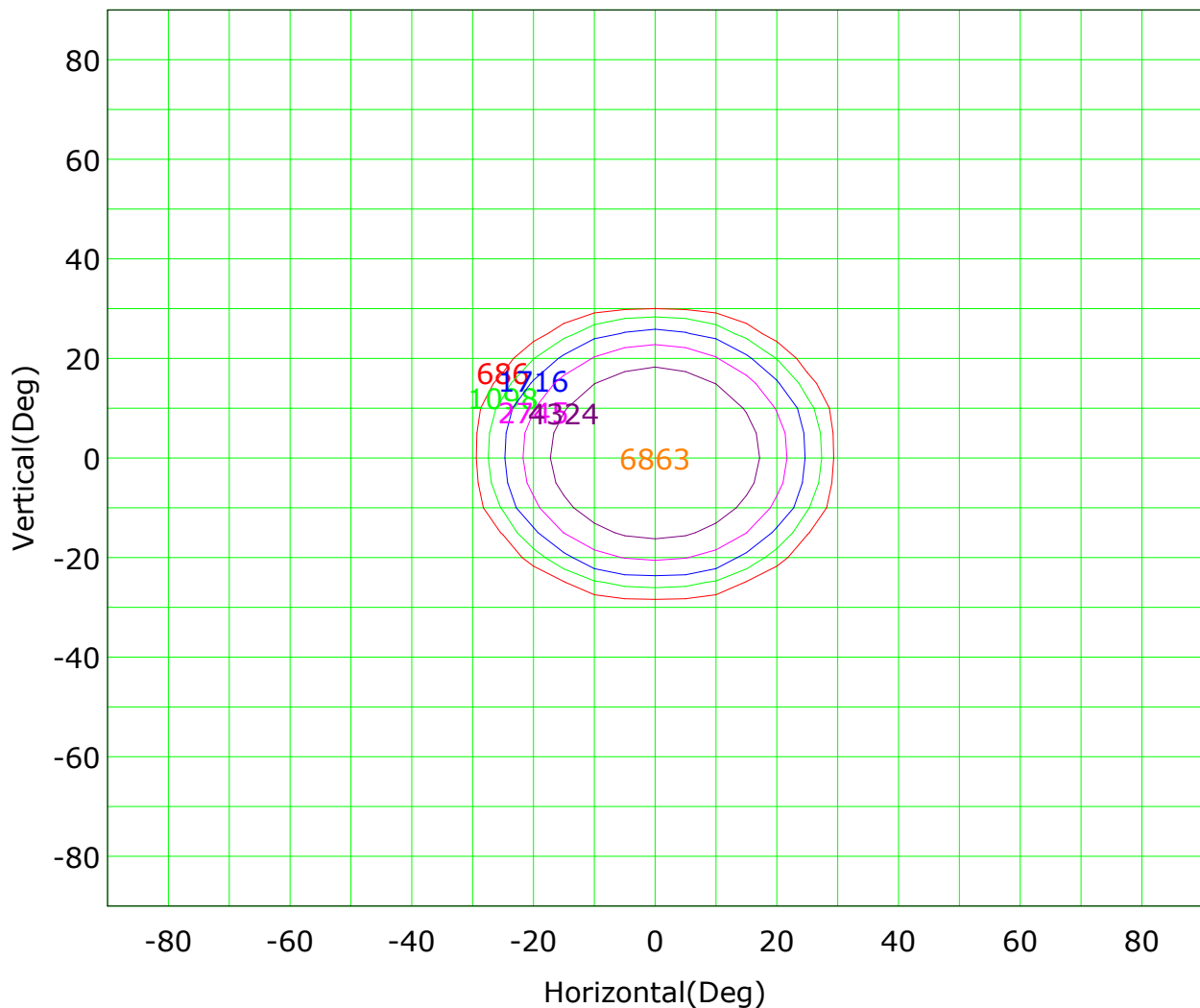
Luminous Intensity Distribution Curve



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%): 6863 cd

(10%): 686 cd	(16%): 1098 cd
(25%): 1716 cd	(40%): 2745 cd
(63%): 4324 cd	(100%): 6863 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

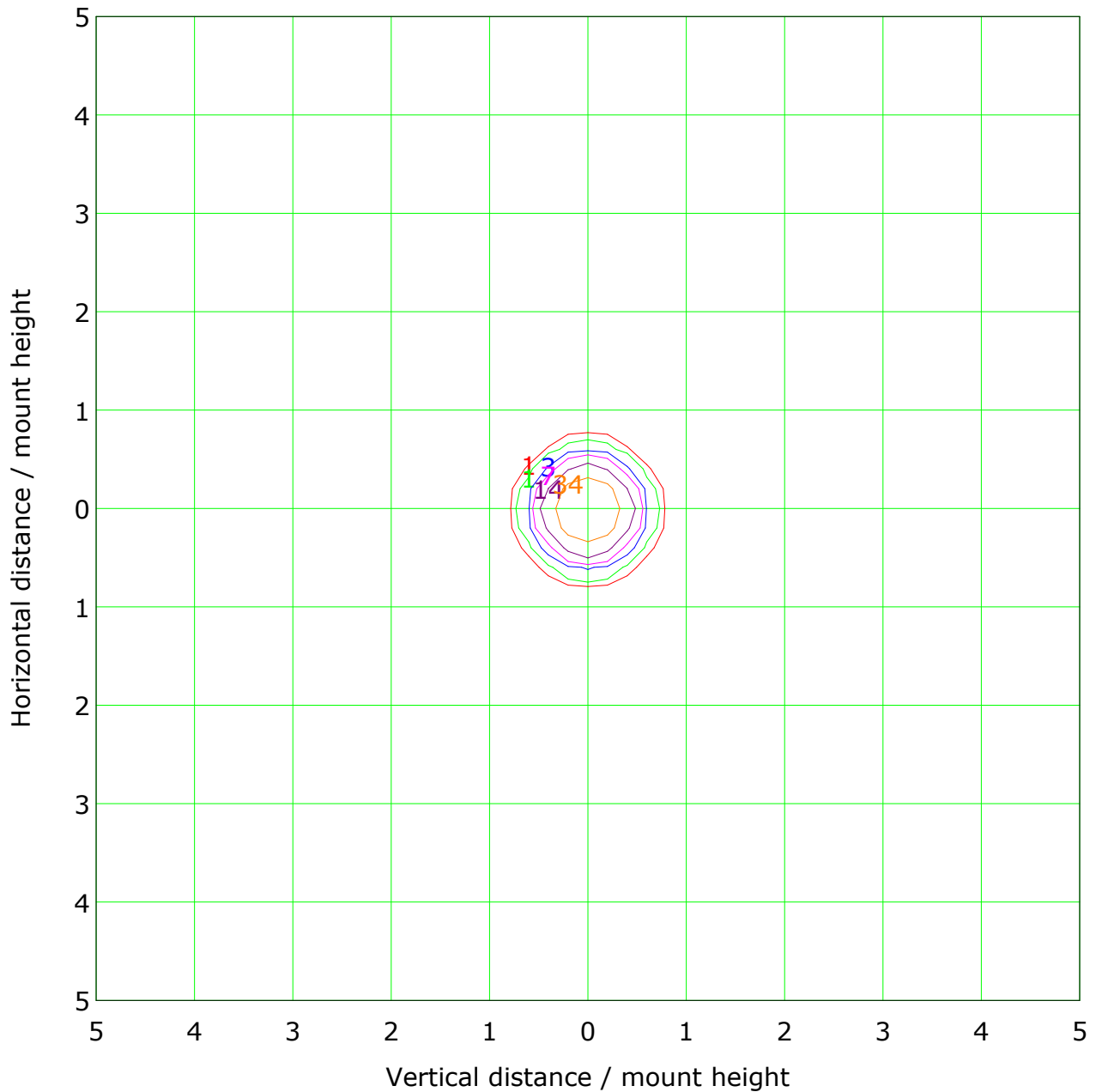
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

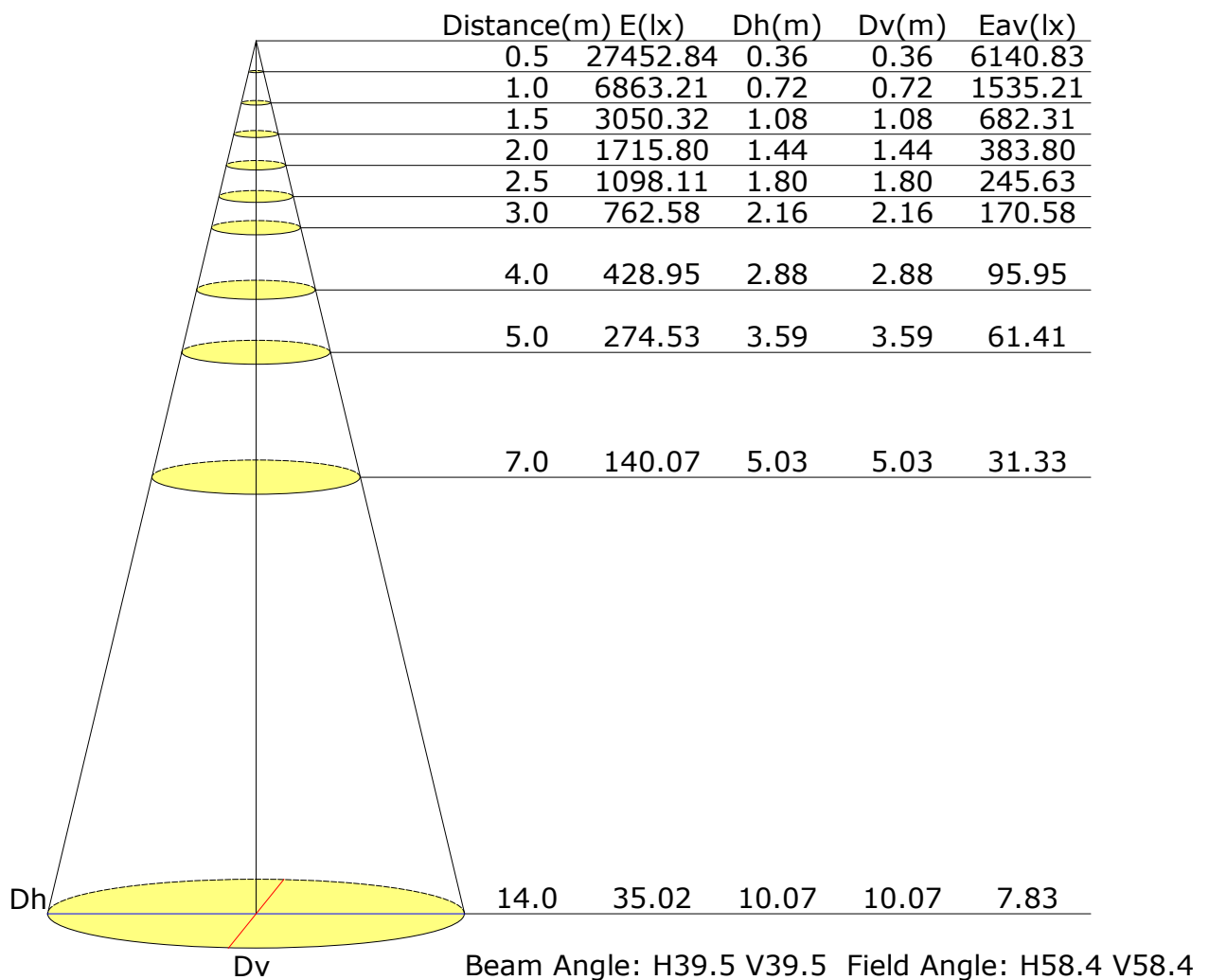


Mounting Height: 10m		Max Lux(100%): 69 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	7 lx
(20%):	14 lx	(50%):	34 lx
(100%):	69 lx		

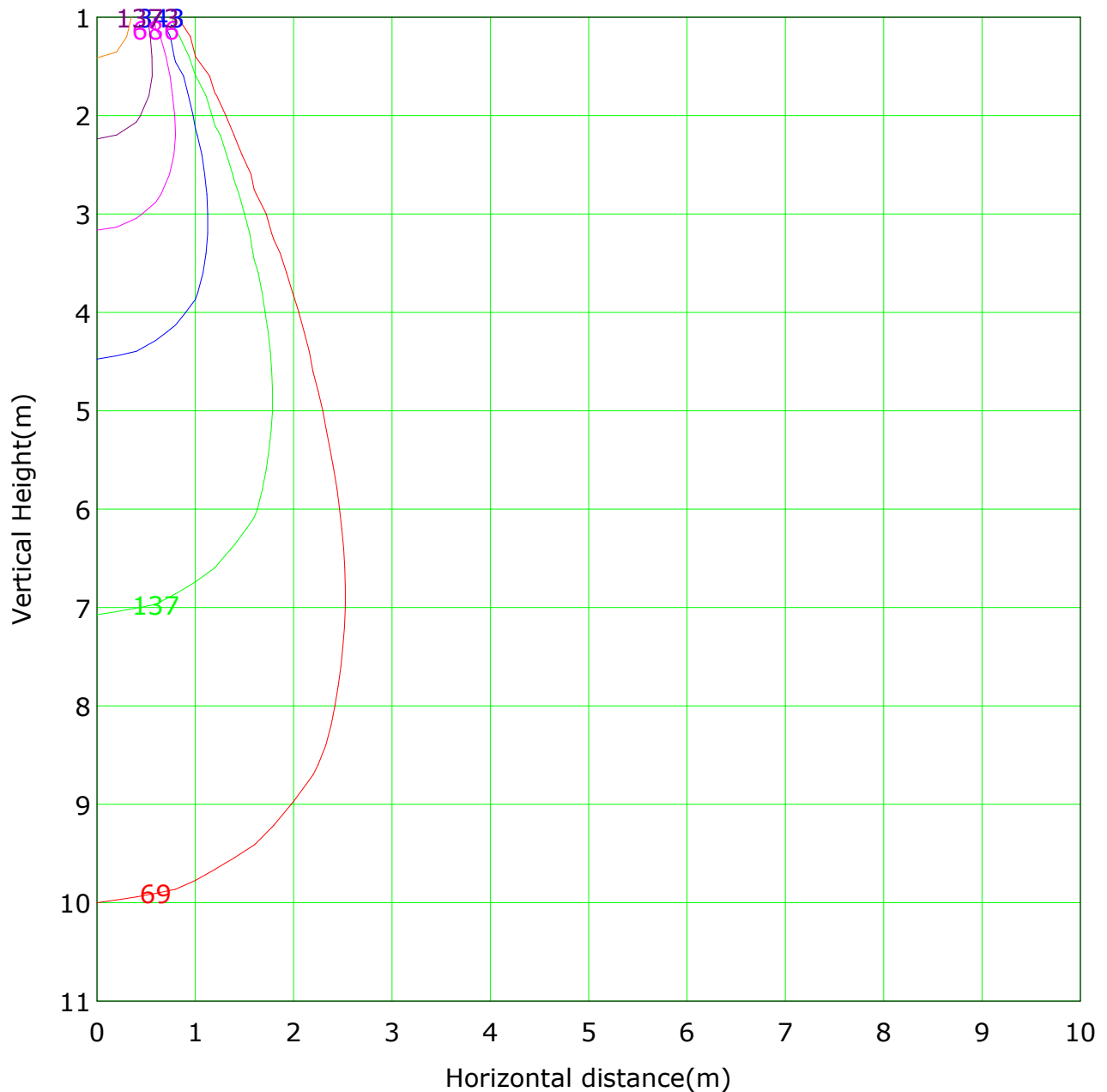
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

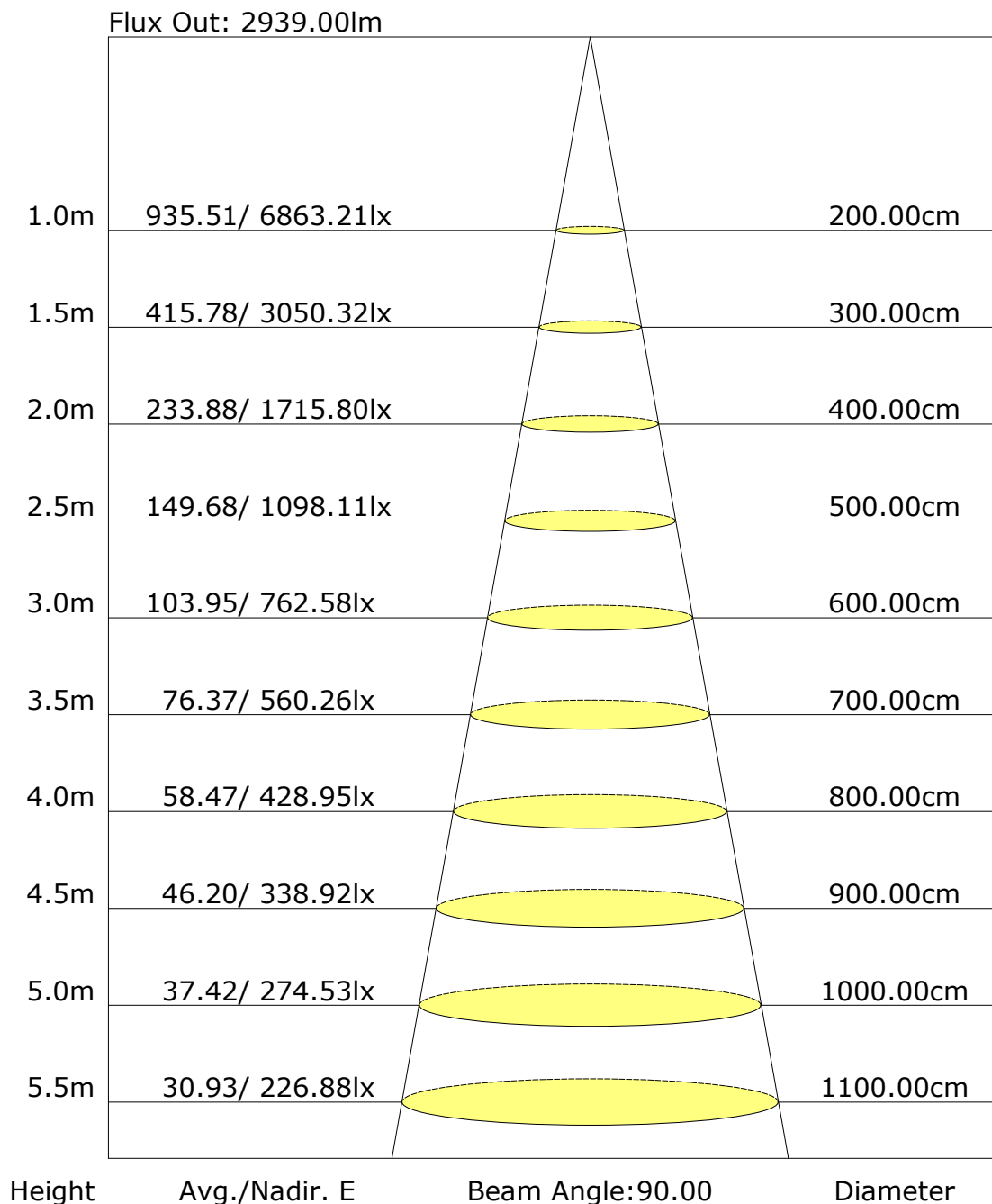


Lowest(m): 1m Highest(m): 11 Max Lux: 6863	
(1%): 69 lx	(2%): 137 lx
(5%): 343 lx	(10%): 686 lx
(20%): 1373 lx	(50%): 3432 lx
(100%): 6863 lx	

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: