

Report No.: 62.05520 FOS Tracklight

Test Time: 2023-09-19 16:50

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90

Voltage: 219.2 V

Current: 0.113 A

Power: 24.20 W

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Measurement Flux: 2559 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H41.4

Vertical Diffuse Angle(50%): V41.4

Luminaire Efficacy Rating (LER): 106

Max. Intensity: 5489.57 cd

Total Rated Lamp Lumens: 2559.0 lm

Efficiency: 100%

Upward Ratio: 0%

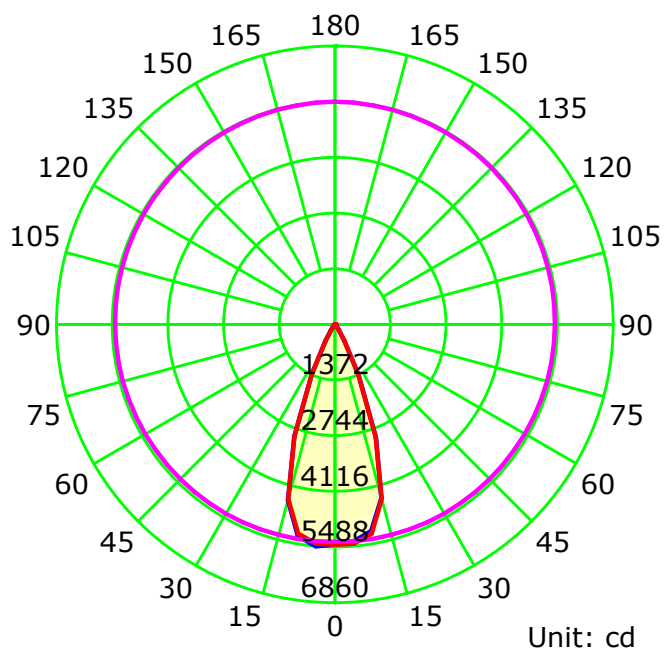
Central Intensity: 5429.79 cd

Pos of Max. Intensity: H180 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

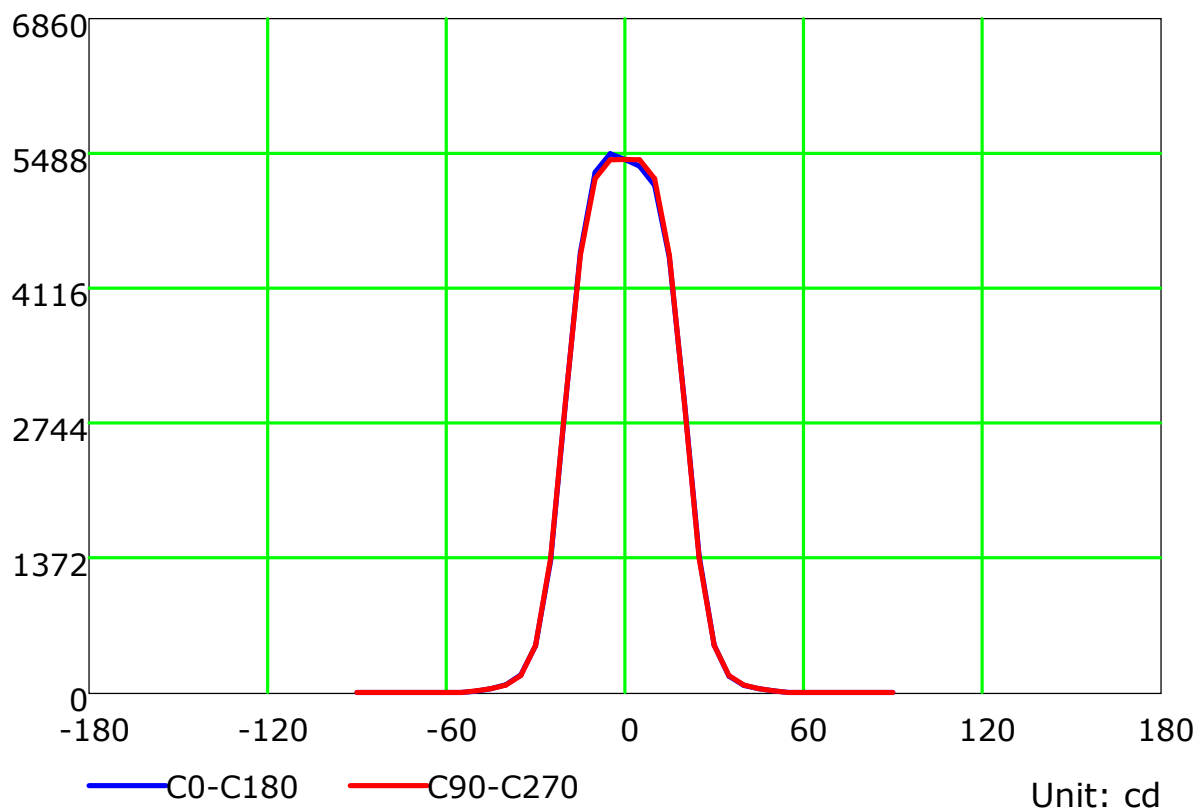
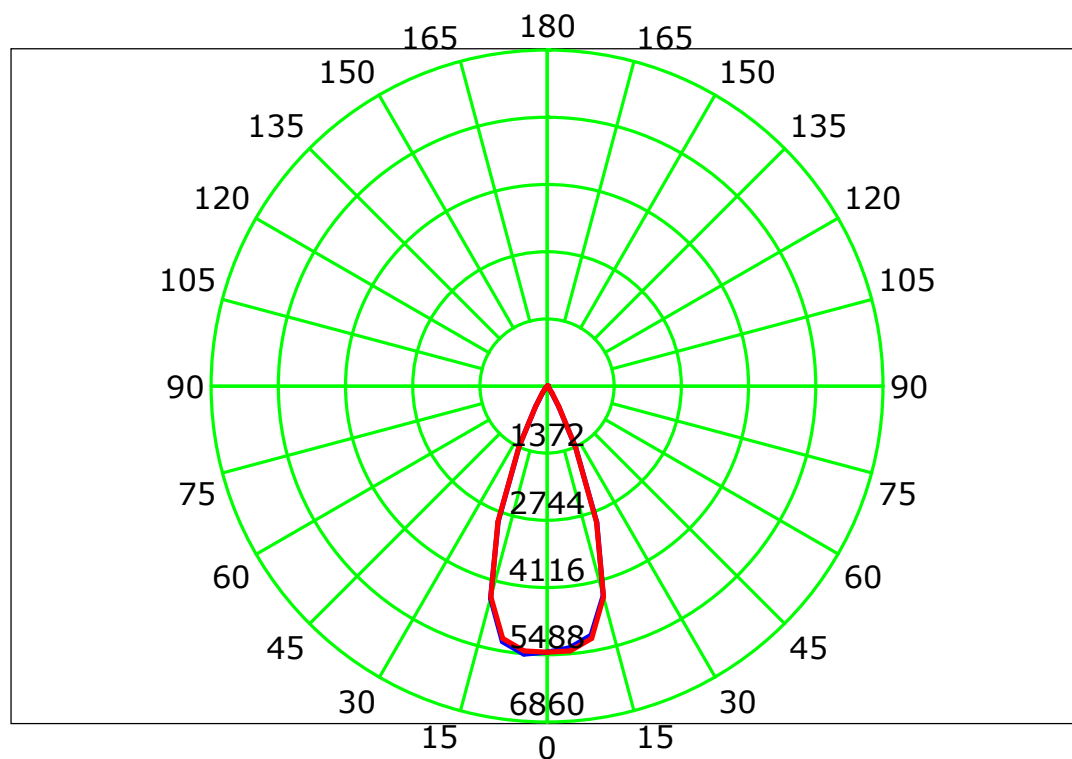
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

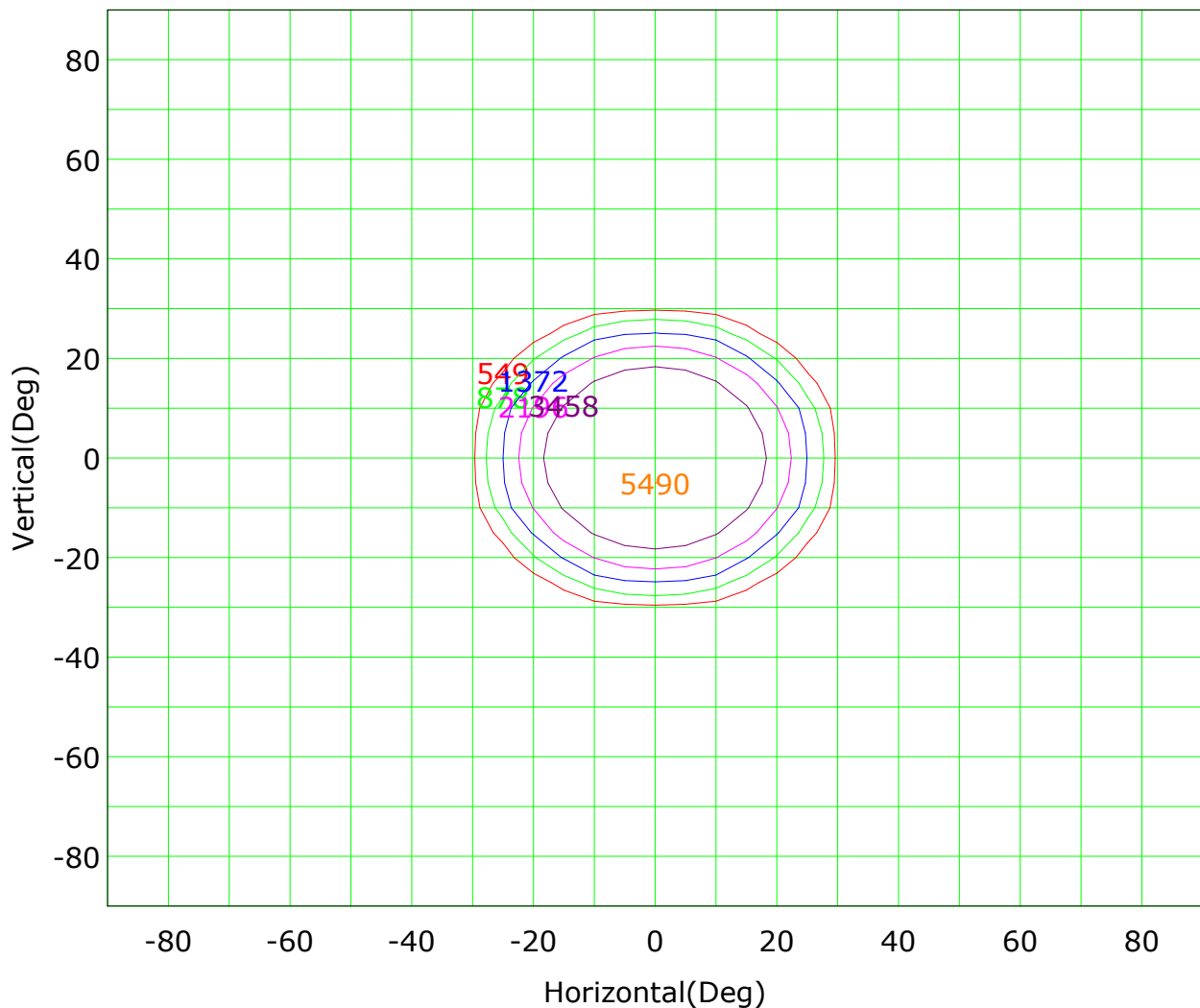
Luminous Intensity Distribution Curve



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)



I_{max} (100%): 5490 cd

(10%): 549 cd	(16%): 878 cd
(25%): 1372 cd	(40%): 2196 cd
(63%): 3458 cd	(100%): 5490 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

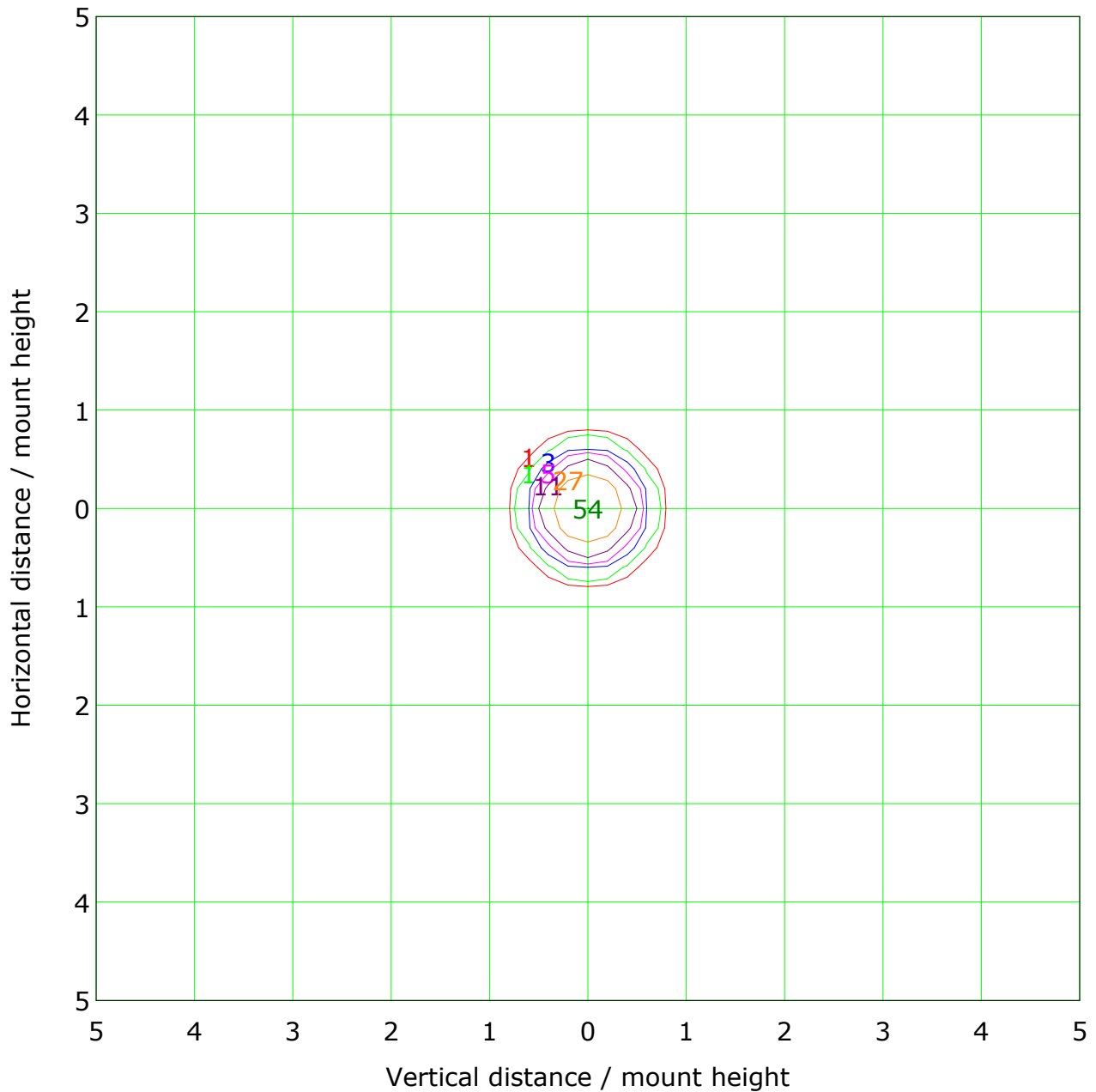
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

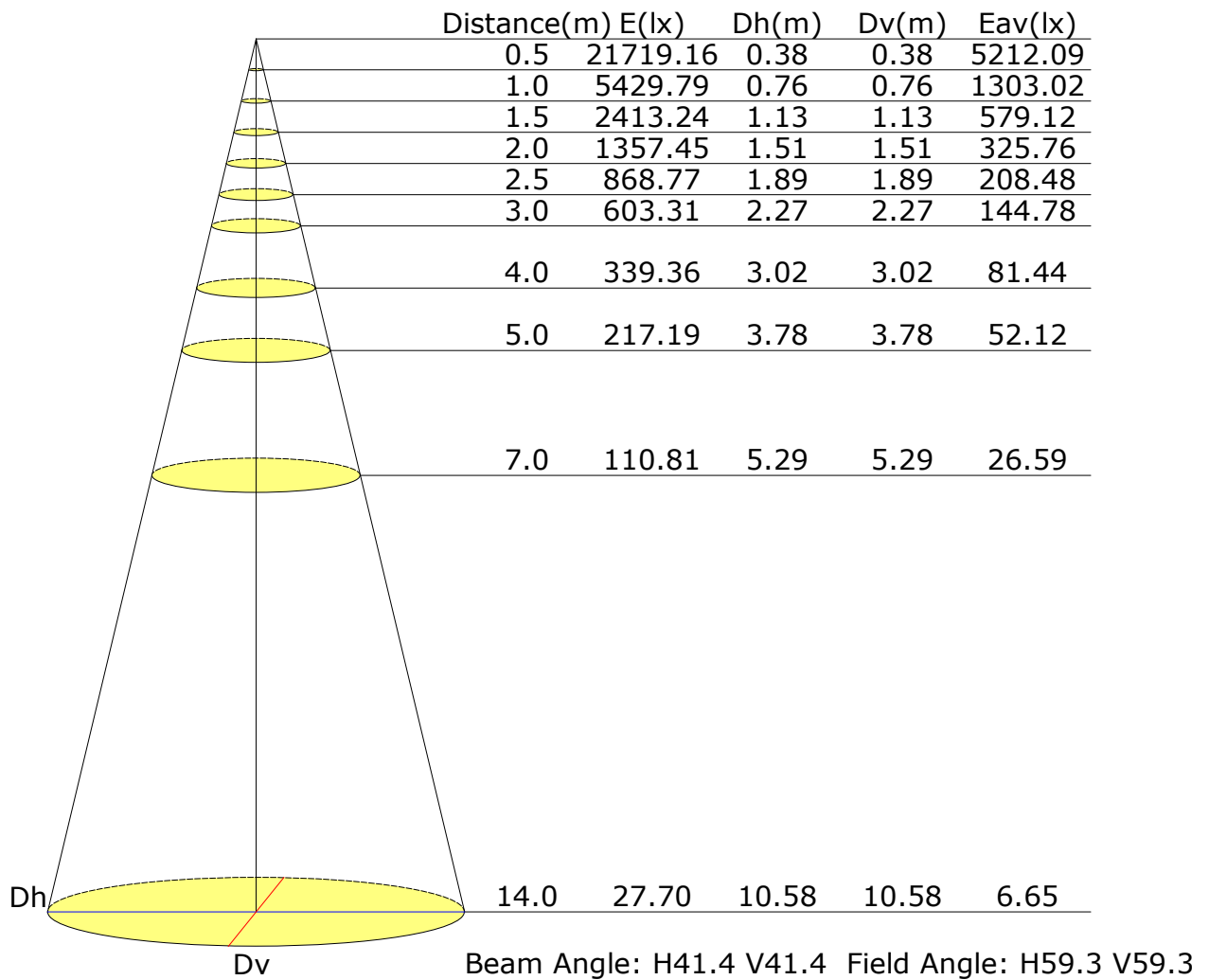


Mounting Height: 10m		Max Lux(100%): 54 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	5 lx
(20%):	11 lx	(50%):	27 lx
(100%):	54 lx		

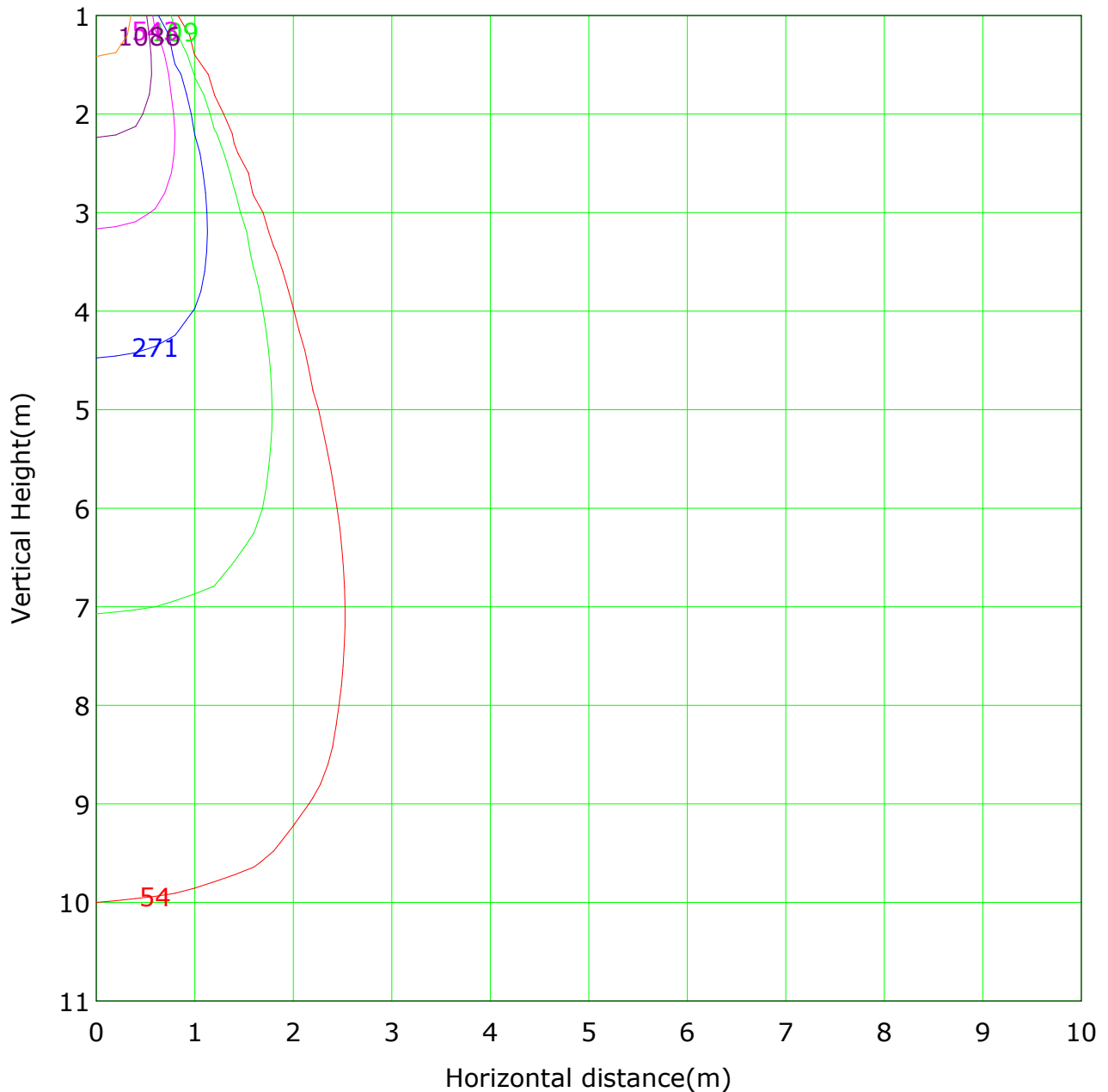
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



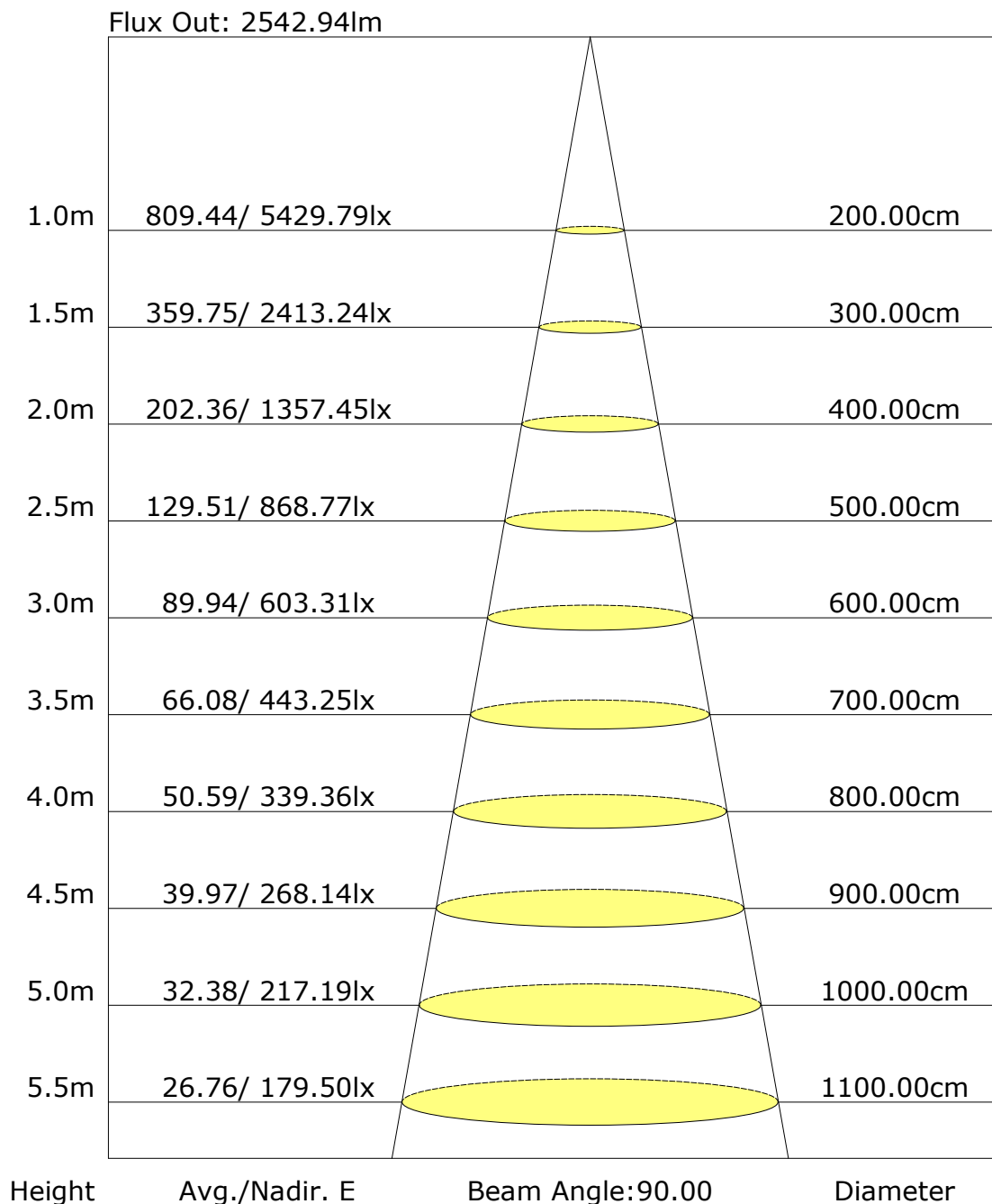
Lowest(m): 1m Highest(m): 11 Max Lux: 5430

(1%): 54 lx	(2%): 109 lx
(5%): 271 lx	(10%): 543 lx
(20%): 1086 lx	(50%): 2715 lx
(100%): 5430 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: