

Report No.:32.06512 FOS Track Light

Test Time: 2023-06-30 21:21

Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Luminaire Description: FOS 65 15D

Voltage: 222.6 V

Power: 24.10 W

Lamp Description: Citizen 1204 3000K CRI90

Current: 0.112 A

Power Factor: 0.966

Photometric Results

CIE Class: Direct

Measurement Flux: 2222.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.2

Vertical Diffuse Angle(50%): V17.2

Luminaire Efficacy Rating (LER): 92

Max. Intensity: 17895 cd

Total Rated Lamp Lumens: 2222.9 lm

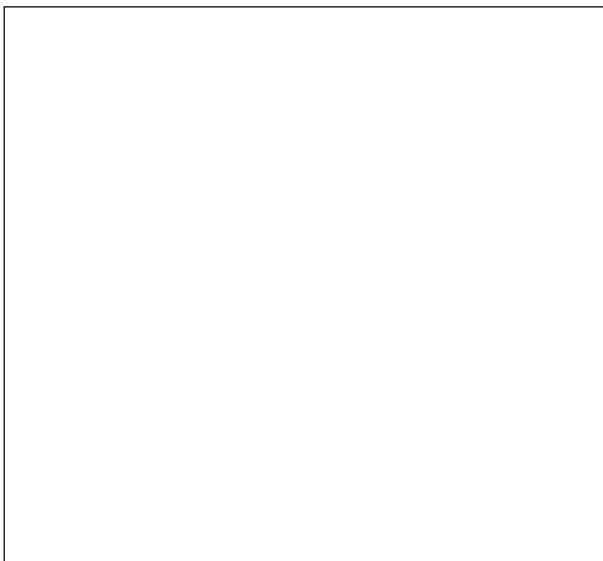
Efficiency: 100%

Upward Ratio: 0%

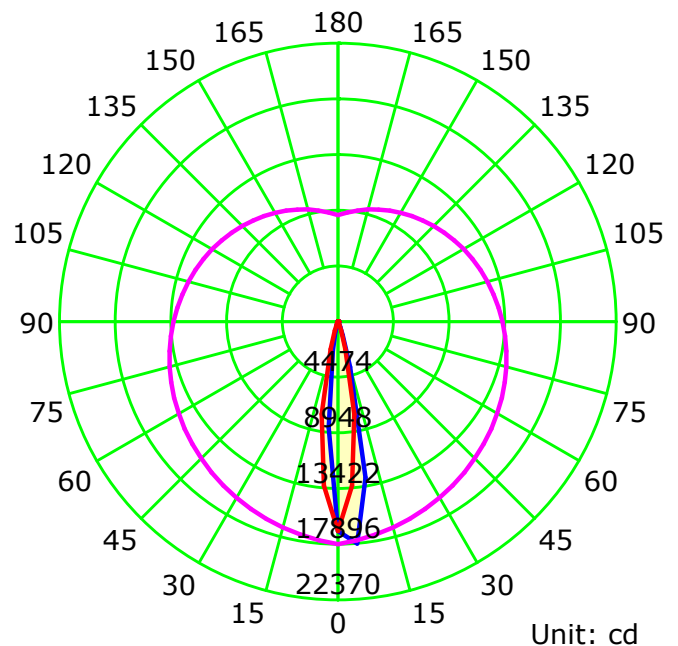
Central Intensity: 16821.2 cd

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

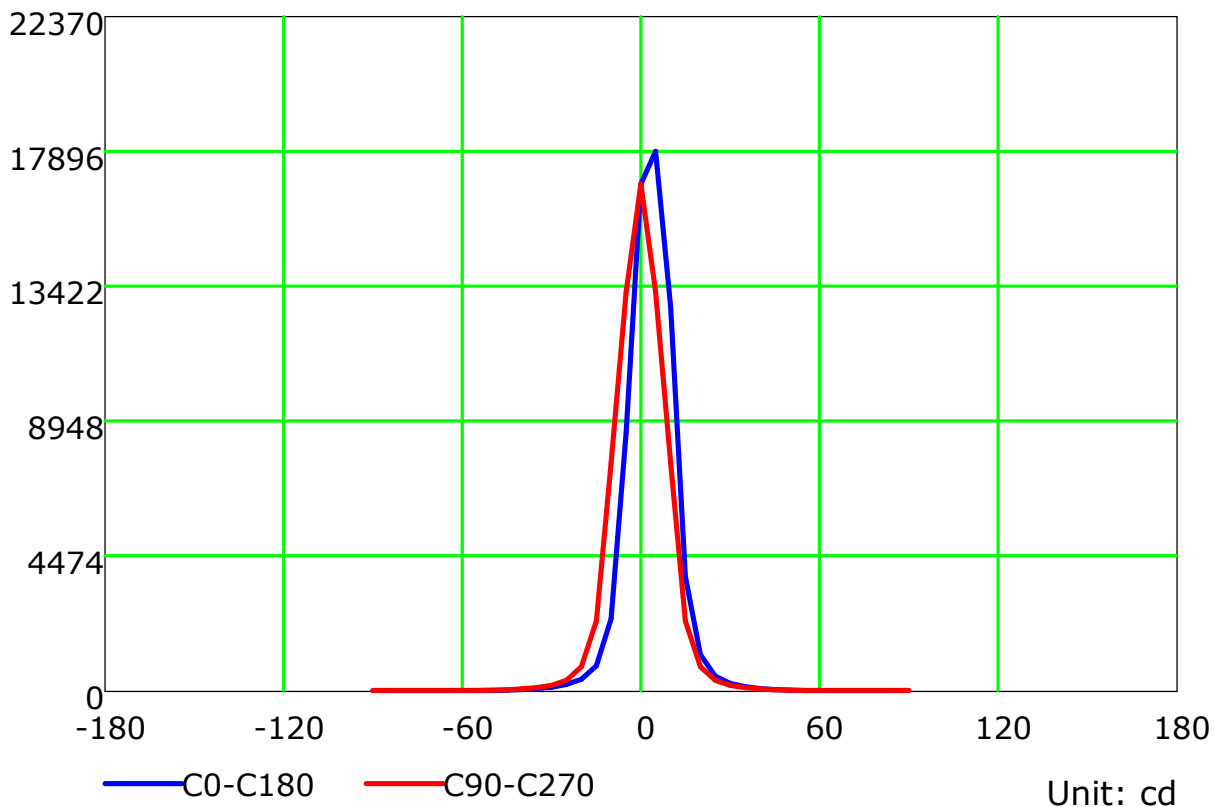
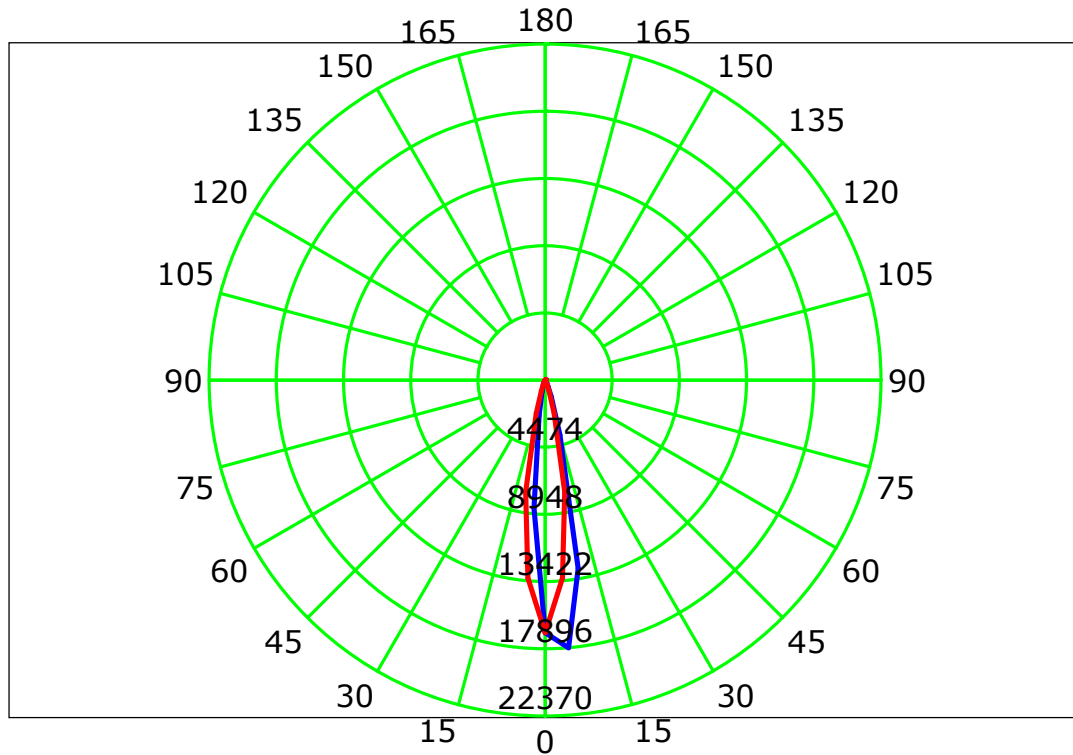
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

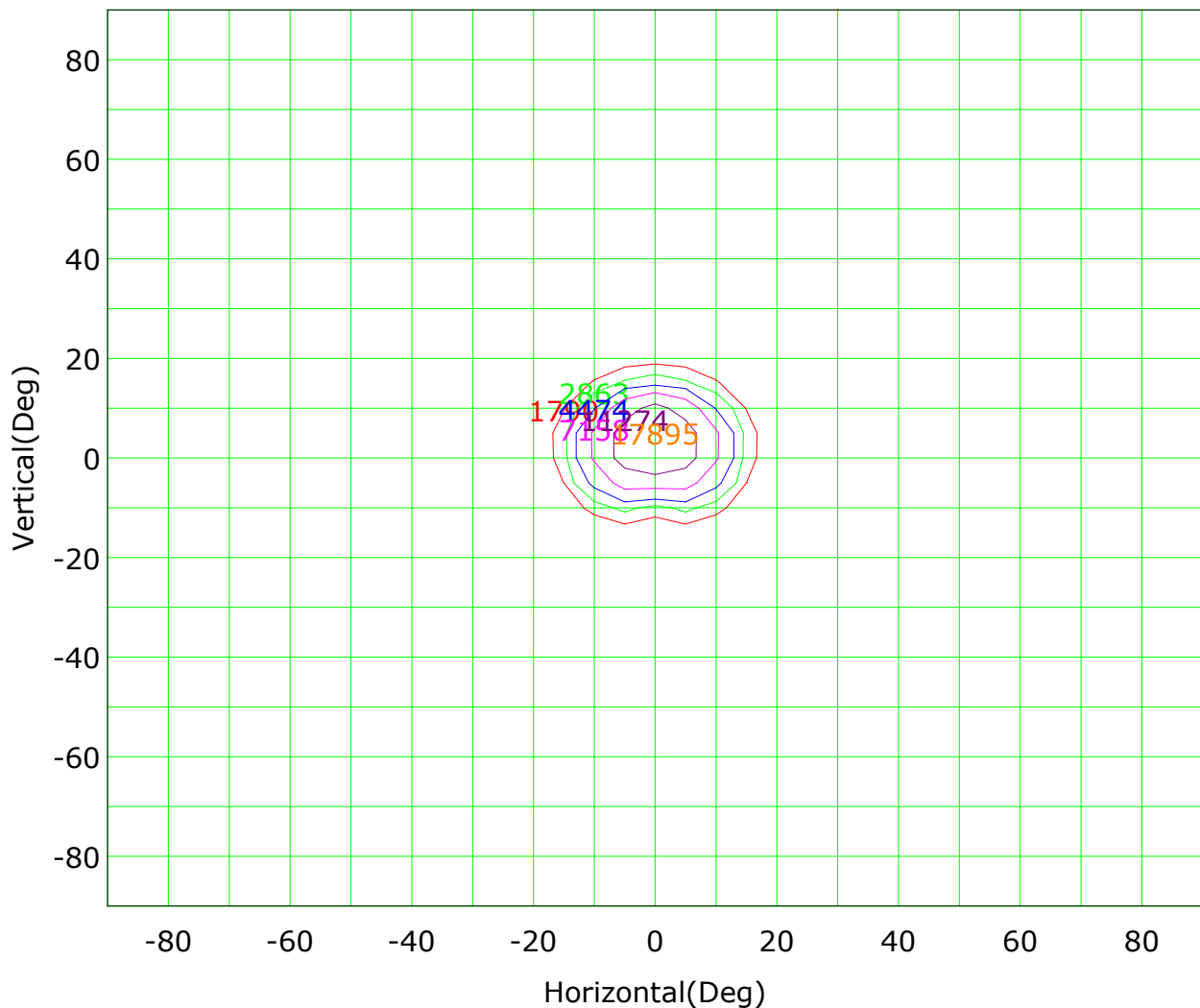
Luminous Intensity Distribution Curve



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%): 17895 cd

(10%): 1790 cd	(16%): 2863 cd
(25%): 4474 cd	(40%): 7158 cd
(63%): 11274 cd	(100%): 17895 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

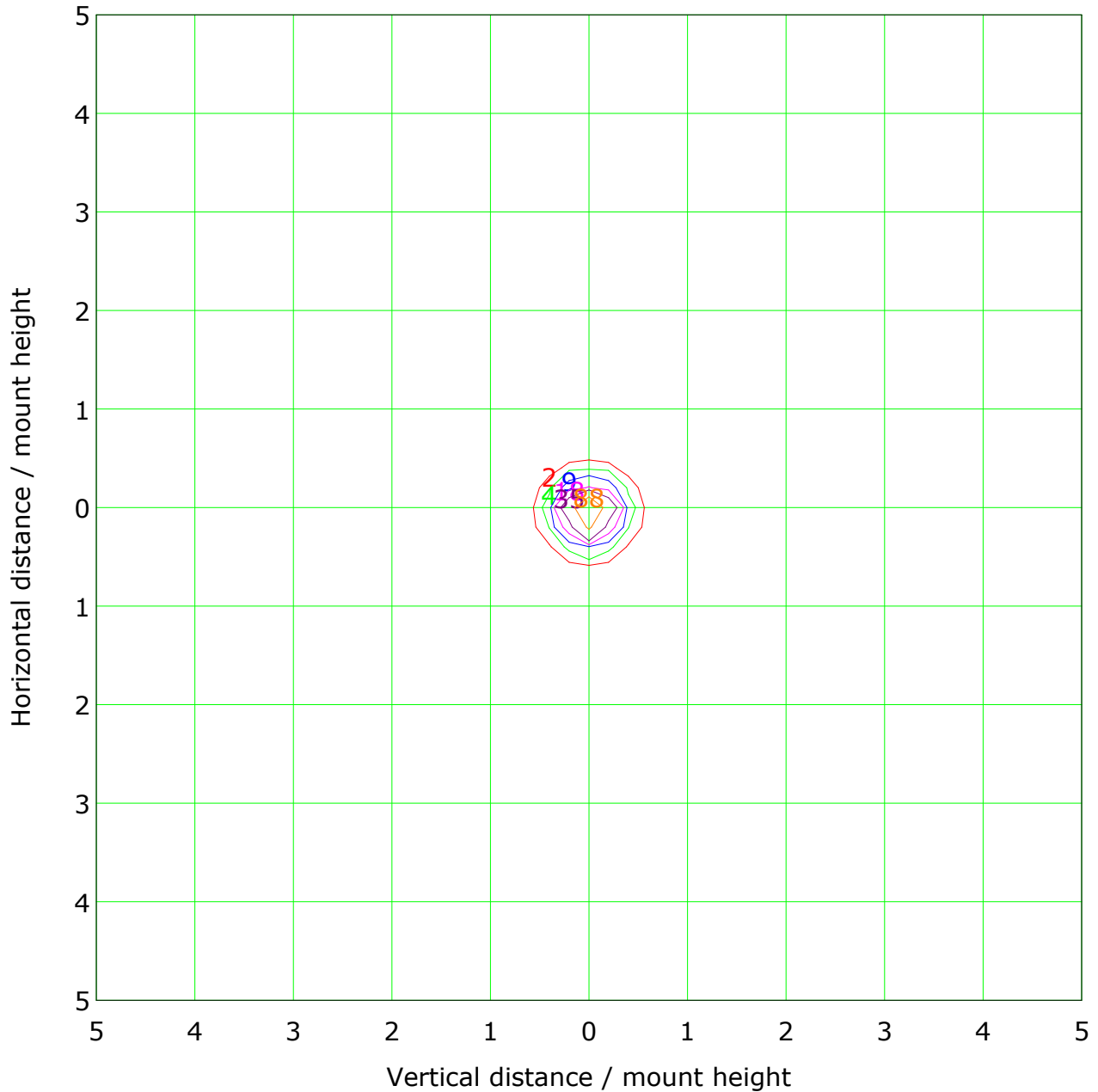
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 177 lx	
(1%):	2 lx	(2%):	4 lx
(5%):	9 lx	(10%):	18 lx
(20%):	35 lx	(50%):	88 lx
(100%):	177 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

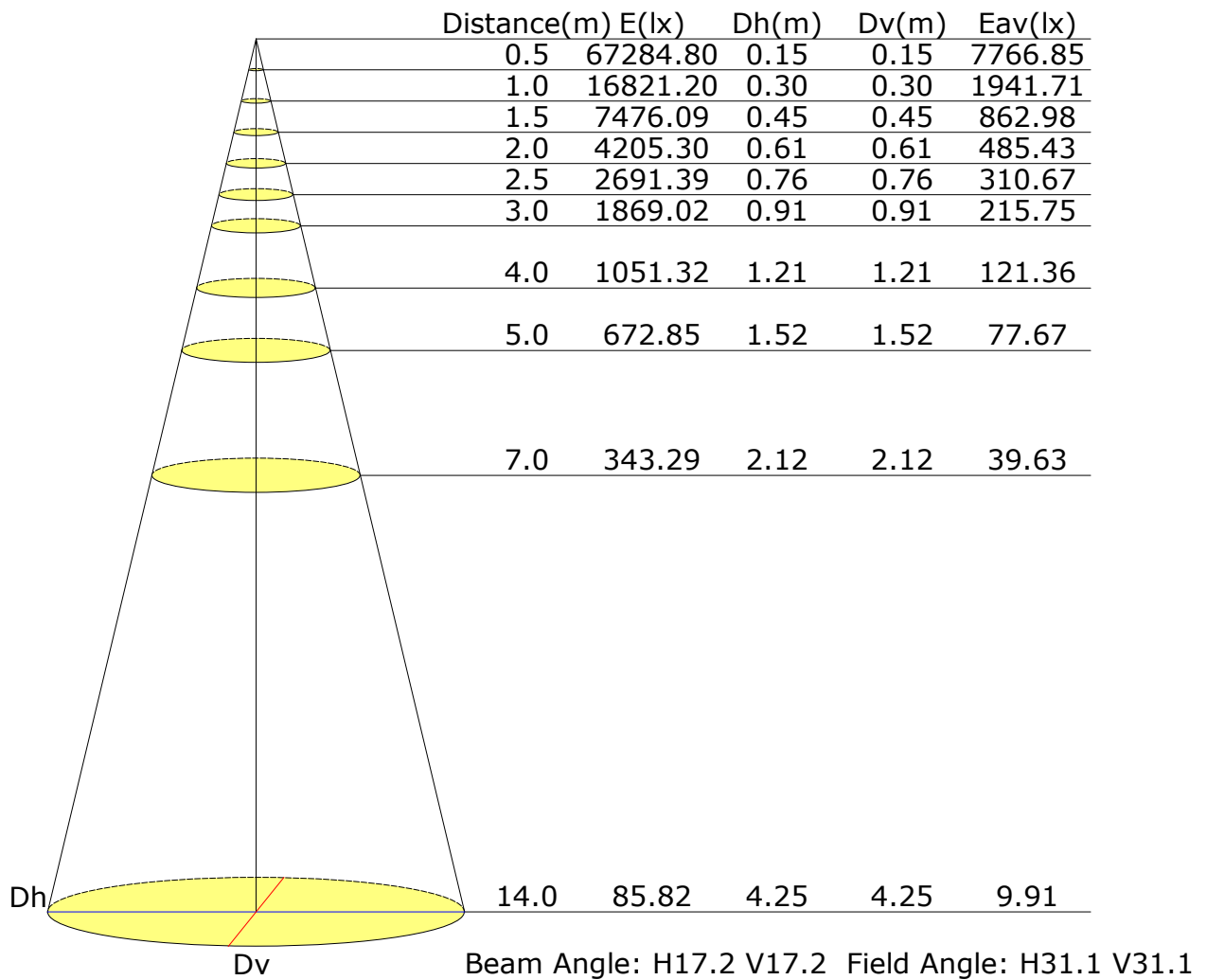
Test Device: CHL-6E

Distance: 3.000 m

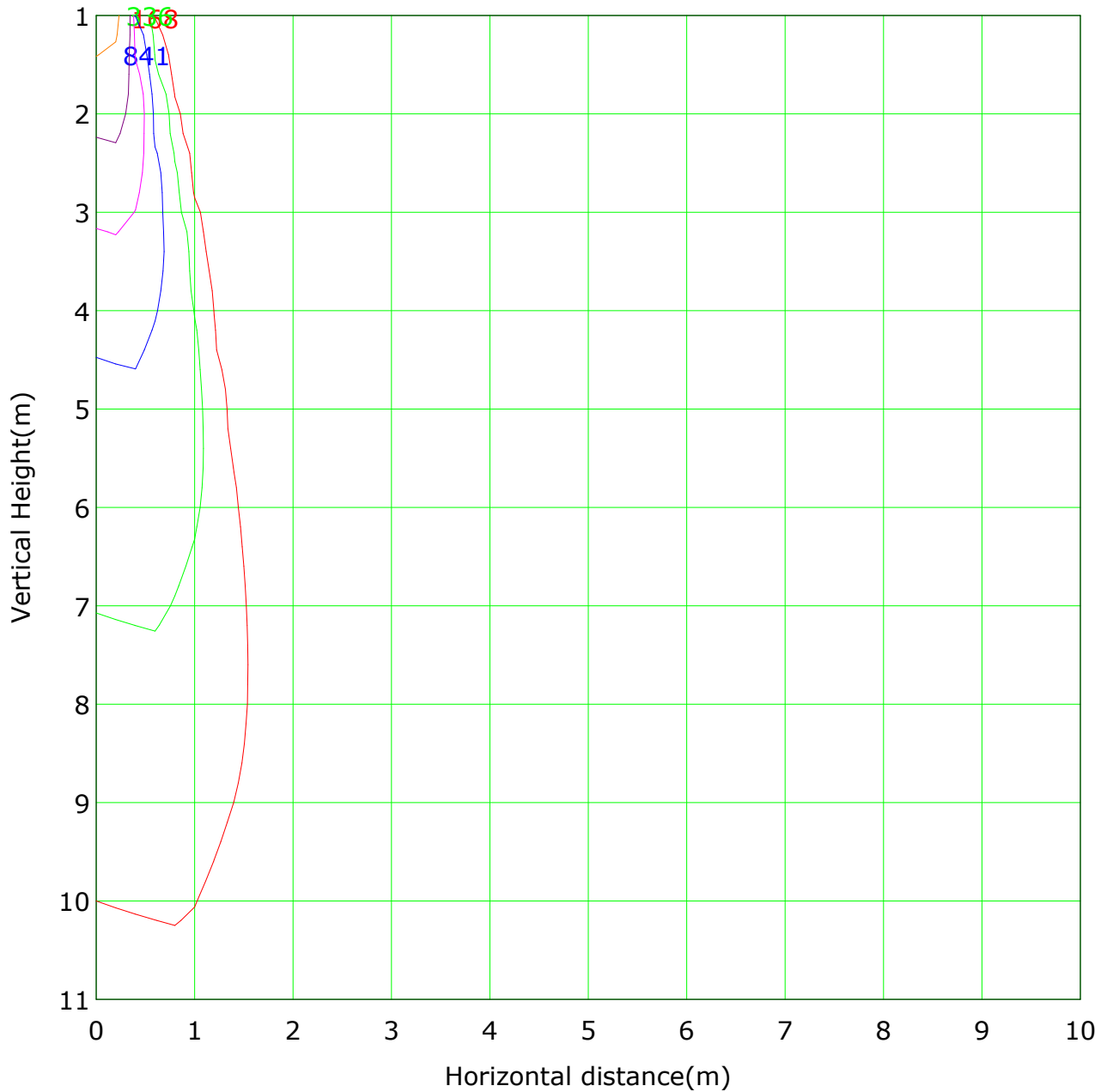
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

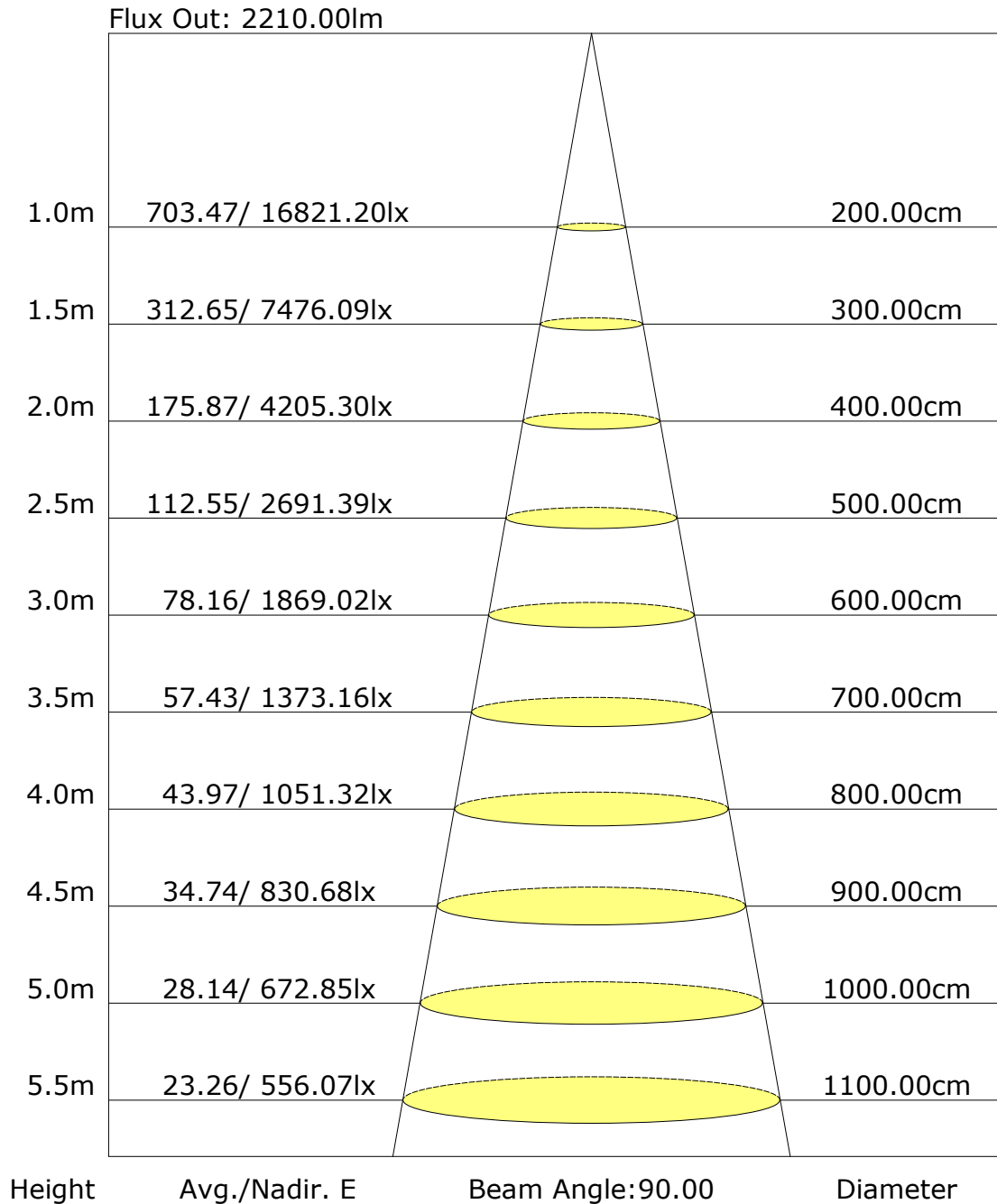


Lowest(m): 1m Highest(m): 11 Max Lux: 16821
— (1%): 168 lx — (2%): 336 lx
— (5%): 841 lx — (10%): 1682 lx
— (20%): 3364 lx — (50%): 8411 lx
— (100%): 16821 lx

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:

Zonal Lumen

[illegible]

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:

Candlepower Table

Unit: cd

[illegible]

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: