

Report No.:56.04512 Recessed Downlight Test Time: 2023-06-30 21:12

Luminaire Property

Luminaire Category: Citizen 1203 3000K CRI90

Luminaire Description: FOS 55 36D

Voltage: 220.5 V

Power: 15.90 W

Lamp Description: Citizen 1204 3000K CRI90

Current: 0.115 A

Power Factor: 0.626

Photometric Results

CIE Class: Direct

Measurement Flux: 1441.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H41.6

Vertical Diffuse Angle(50%): V41.6

Luminaire Efficacy Rating (LER): 91

Max. Intensity: 3019.6 cd

Total Rated Lamp Lumens: 1441.5 lm

Efficiency: 100%

Upward Ratio: 0%

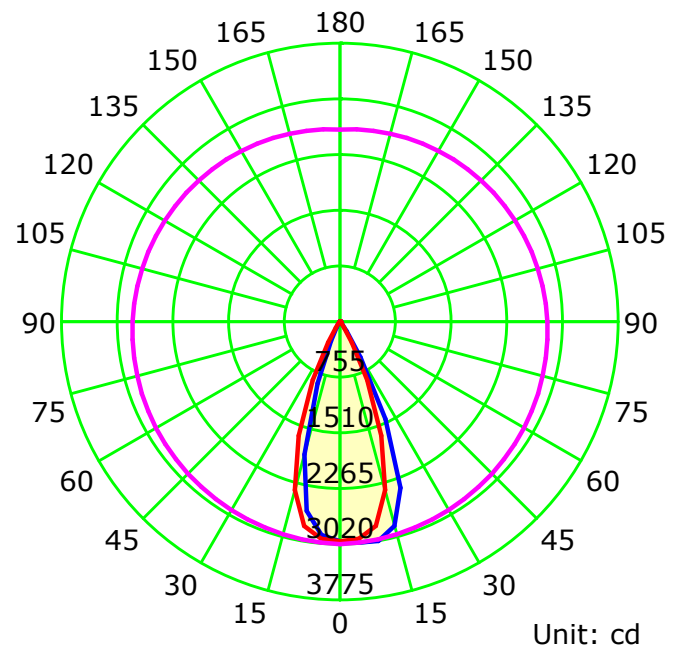
Central Intensity: 2980.35 cd

Pos of Max. Intensity: H0 V10

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G10

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

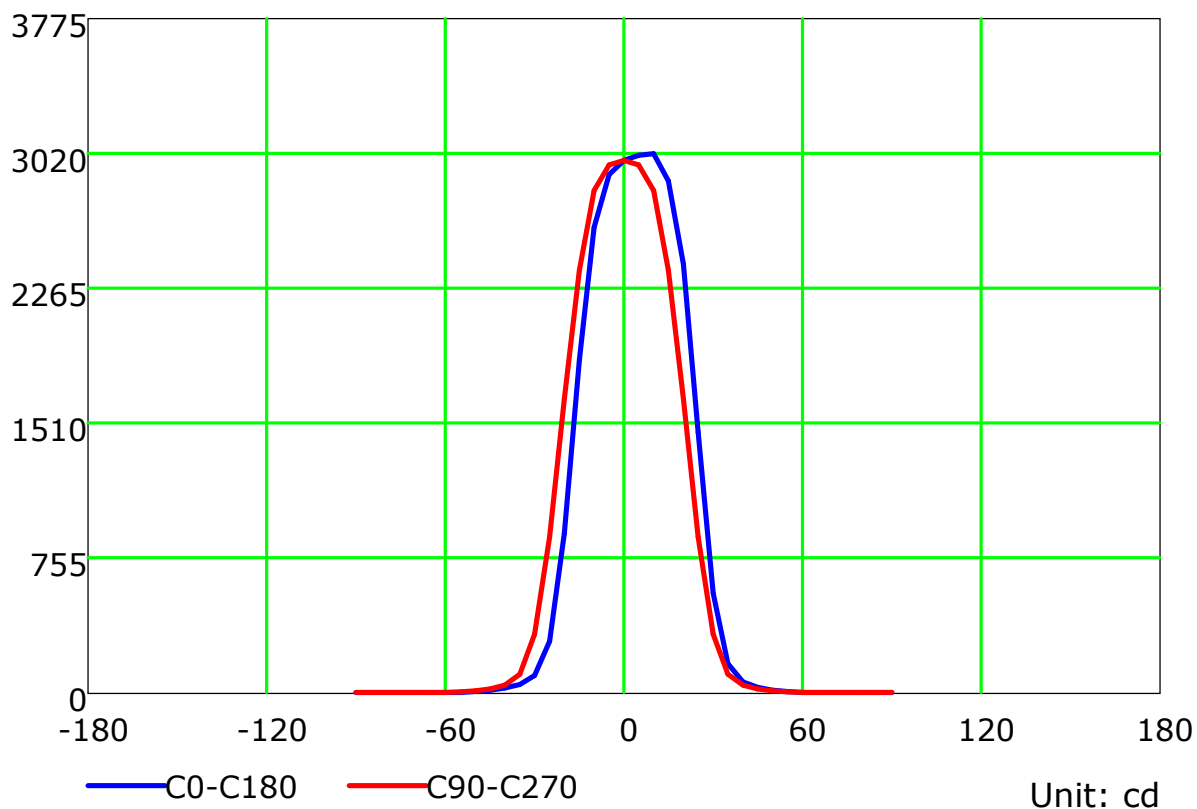
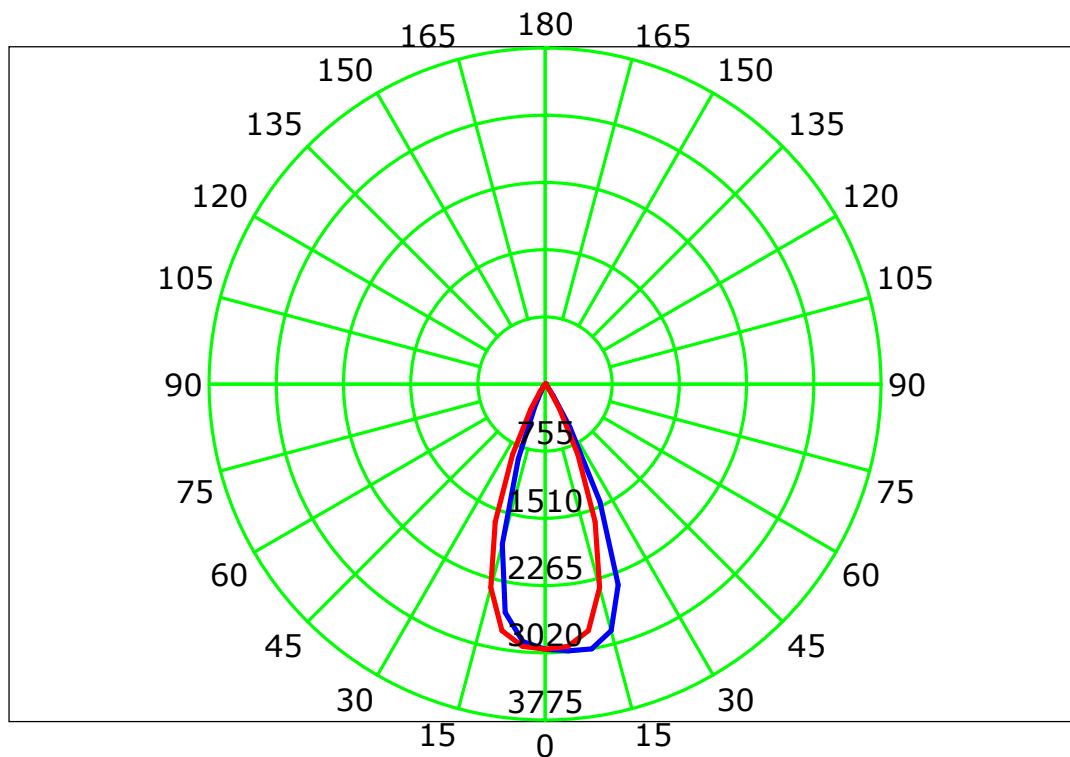
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

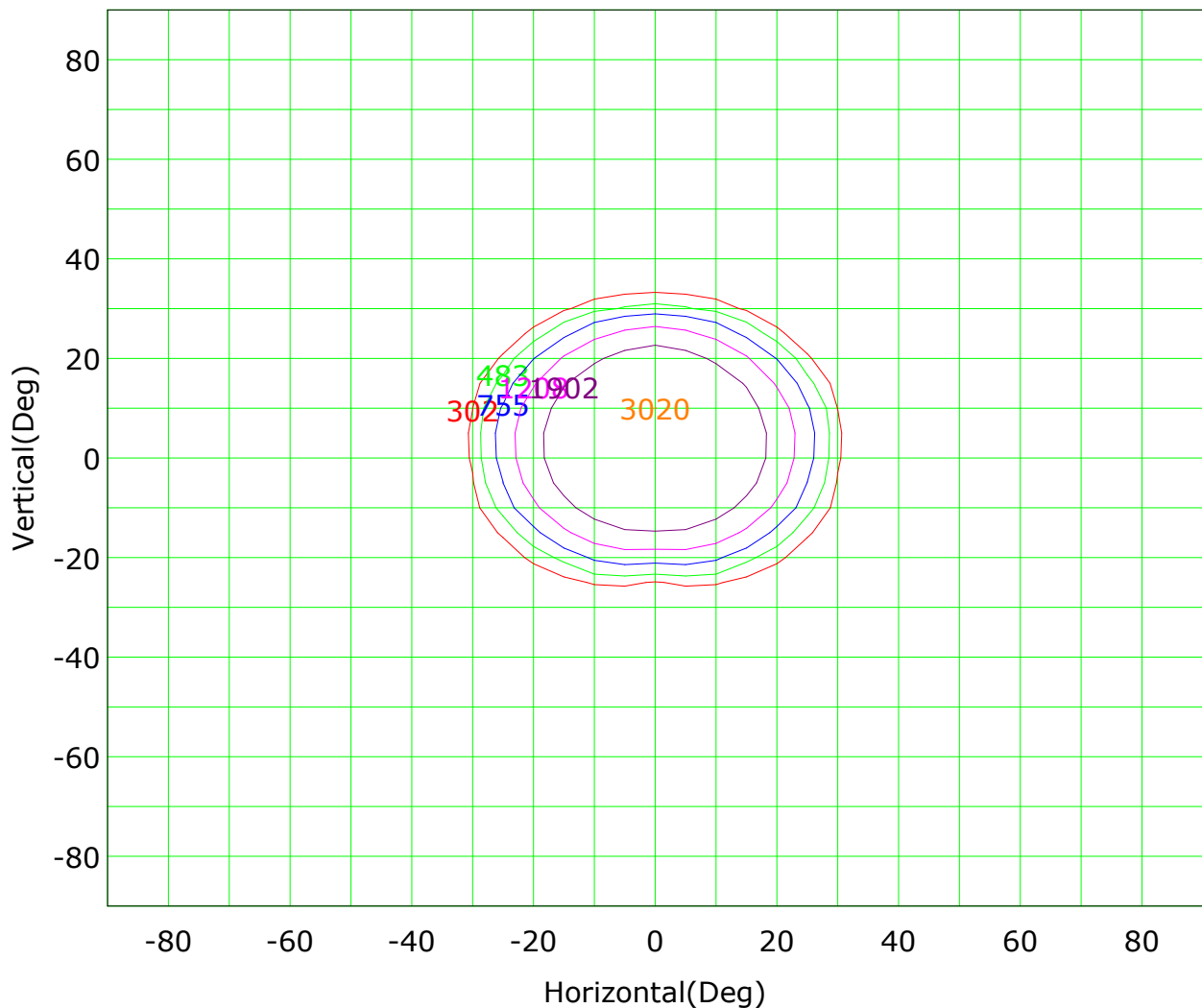
Luminous Intensity Distribution Curve



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%): 3020 cd

(10%): 302 cd	(16%): 483 cd
(25%): 755 cd	(40%): 1208 cd
(63%): 1902 cd	(100%): 3020 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

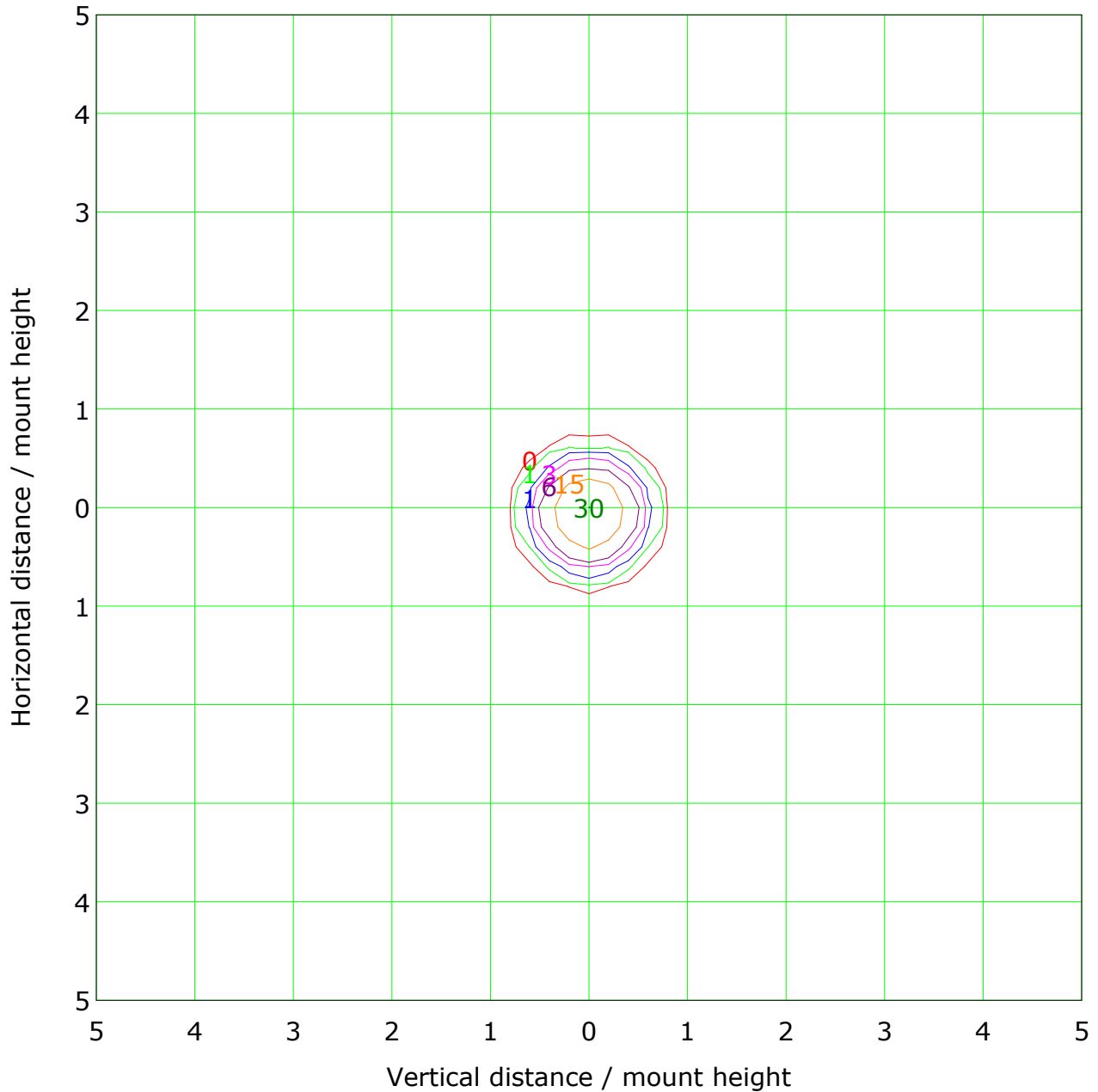
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 30 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	1 lx	(10%):	3 lx
(20%):	6 lx	(50%):	15 lx
(100%):	30 lx		

C Plane (°):0.0-180.0: 180.0

Test Lab:

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Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

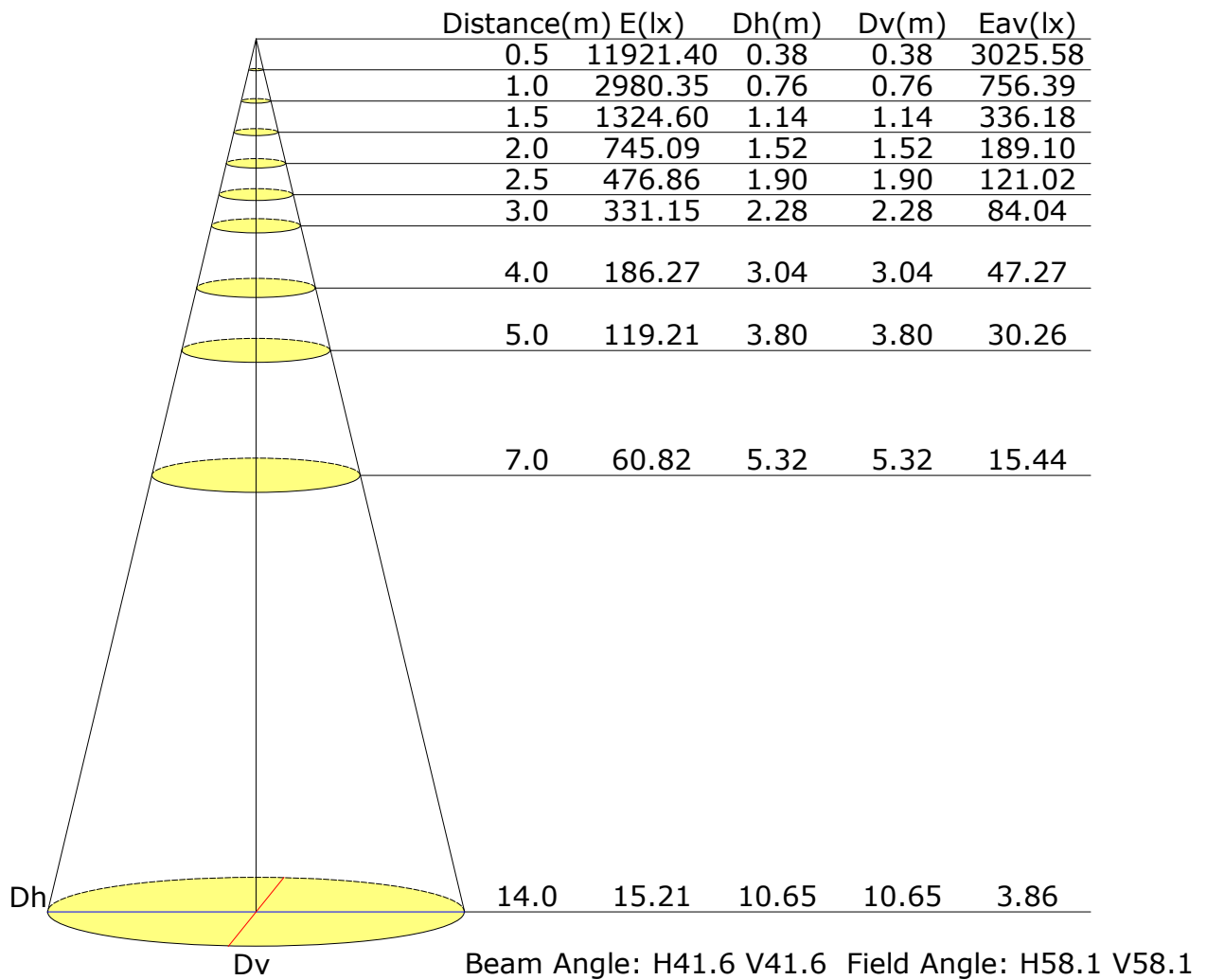
Test Device: CHL-6E

Distance: 3.000 m

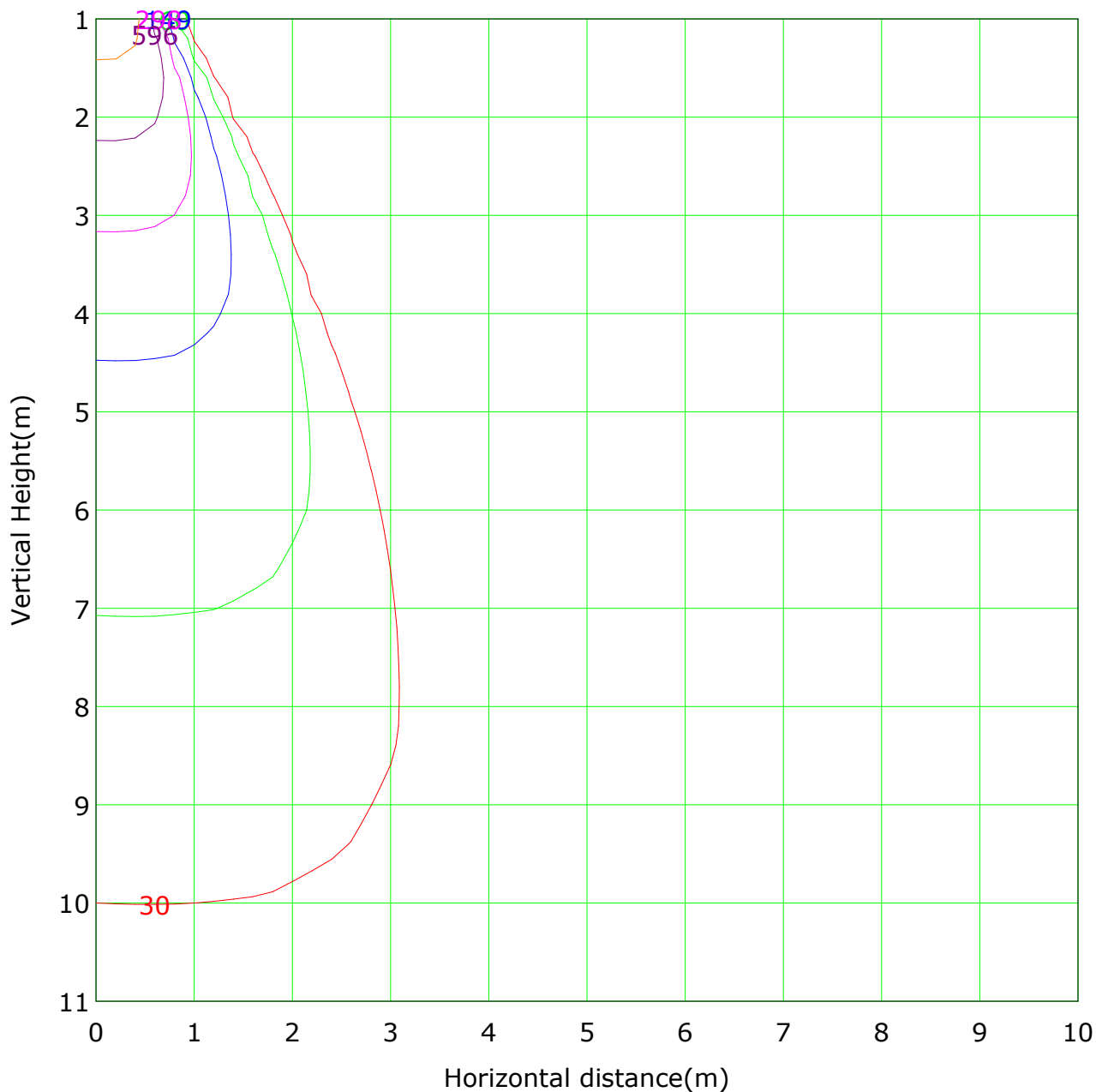
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 2980

(1%): 30 lx	(2%): 60 lx
(5%): 149 lx	(10%): 298 lx
(20%): 596 lx	(50%): 1490 lx
(100%): 2980 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

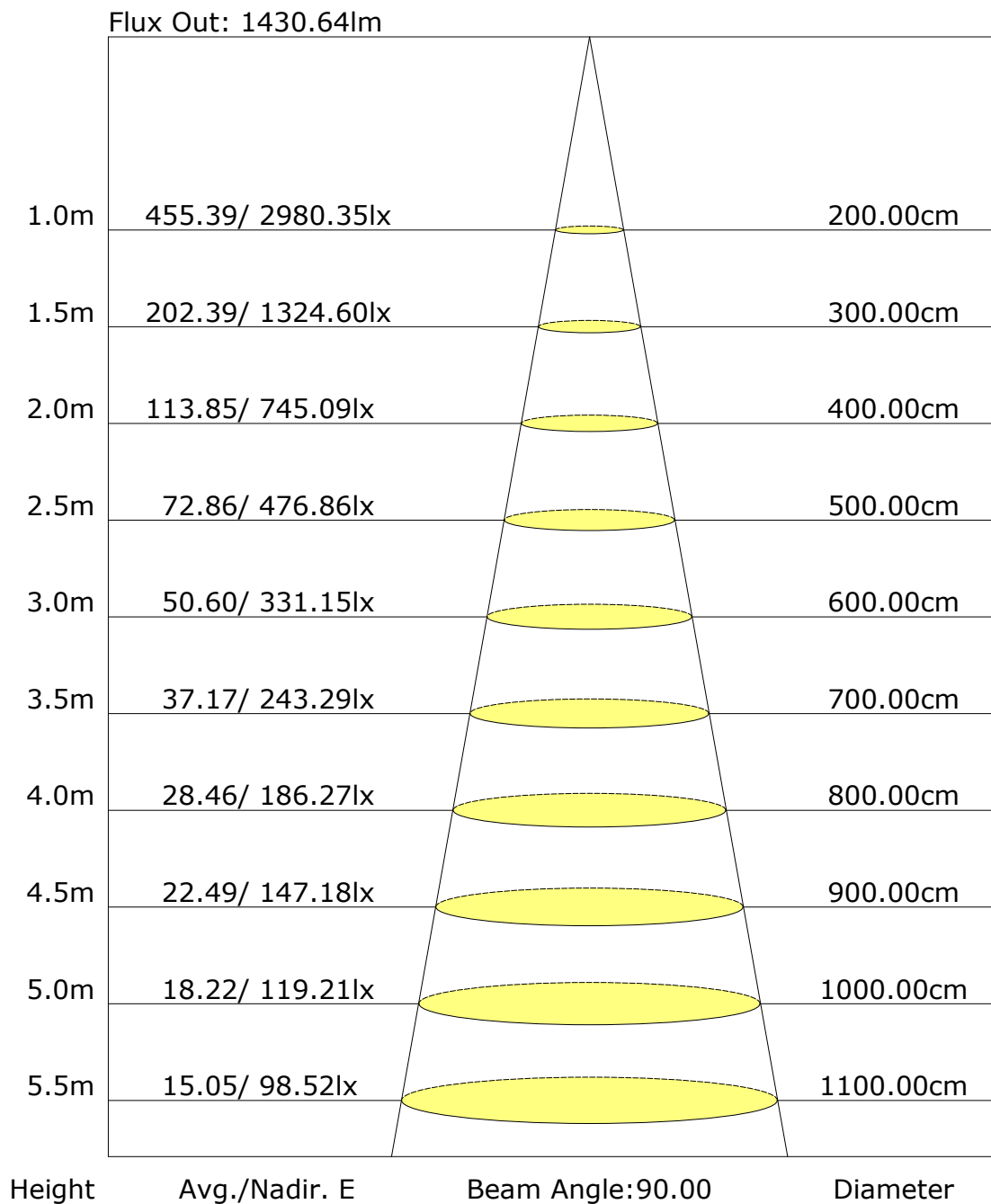
Test Device: CHL-6E

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]

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: