

Report No.:56.05517 Recessed Downlight Test Time: 2023-06-30 16:51

Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Luminaire Description: FOS 65

Current: 0.155 A

Power Factor: 0.979

Voltage: 205.8 V

Power: 31.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2553.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H29.5

Vertical Diffuse Angle(50%): V29.5

Luminaire Efficacy Rating (LER): 82

Max. Intensity: 8700.84 cd

Total Rated Lamp Lumens: 2553.2 lm

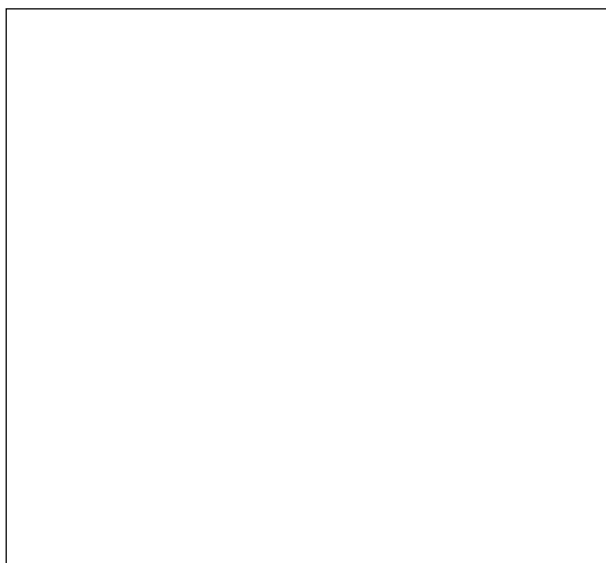
Efficiency: 100%

Upward Ratio: 0%

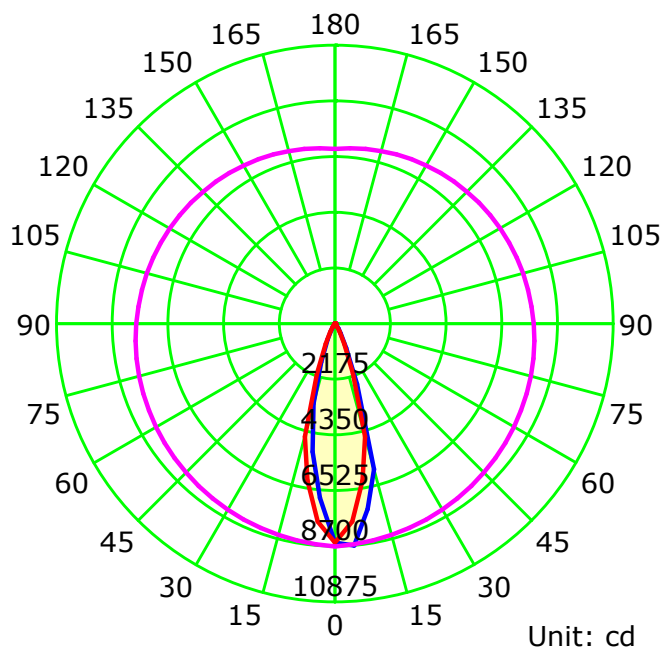
Central Intensity: 8562.05 cd

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

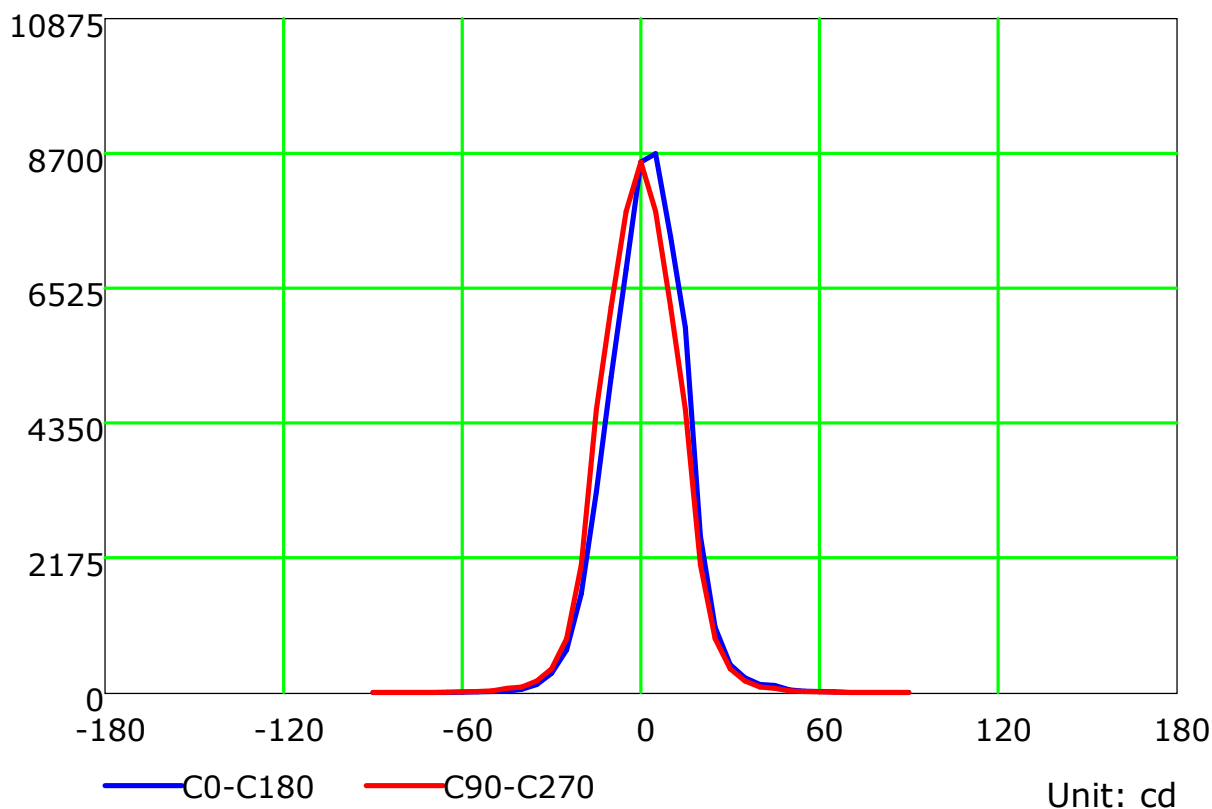
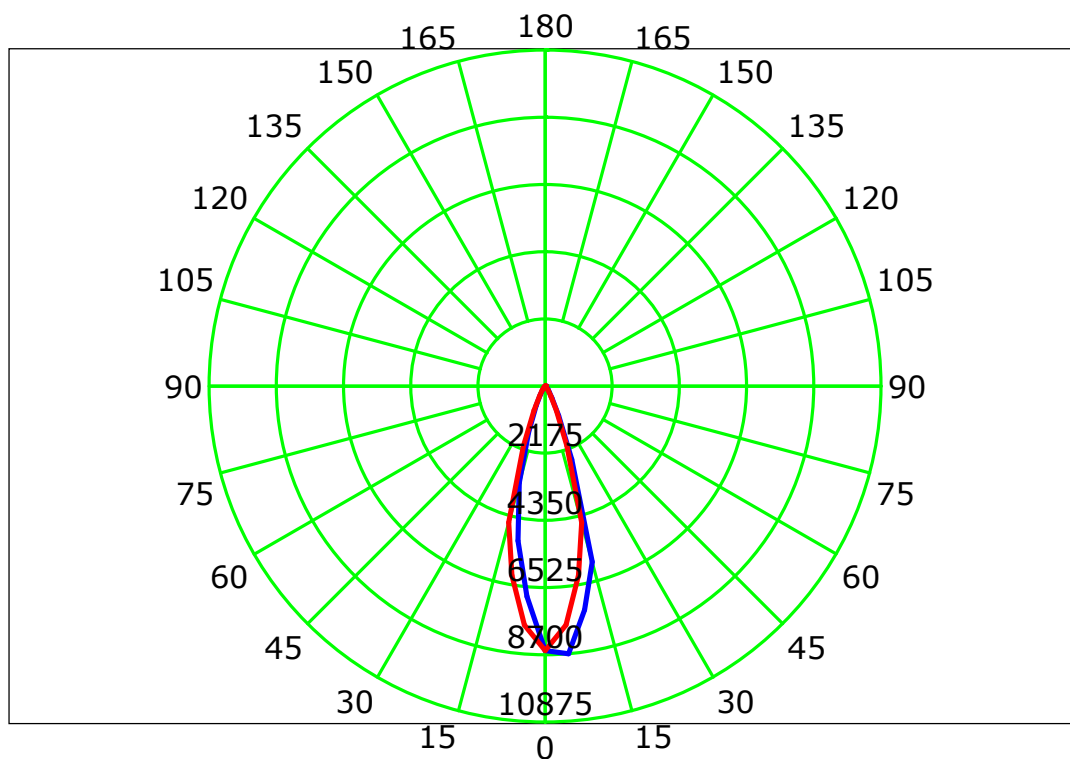
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

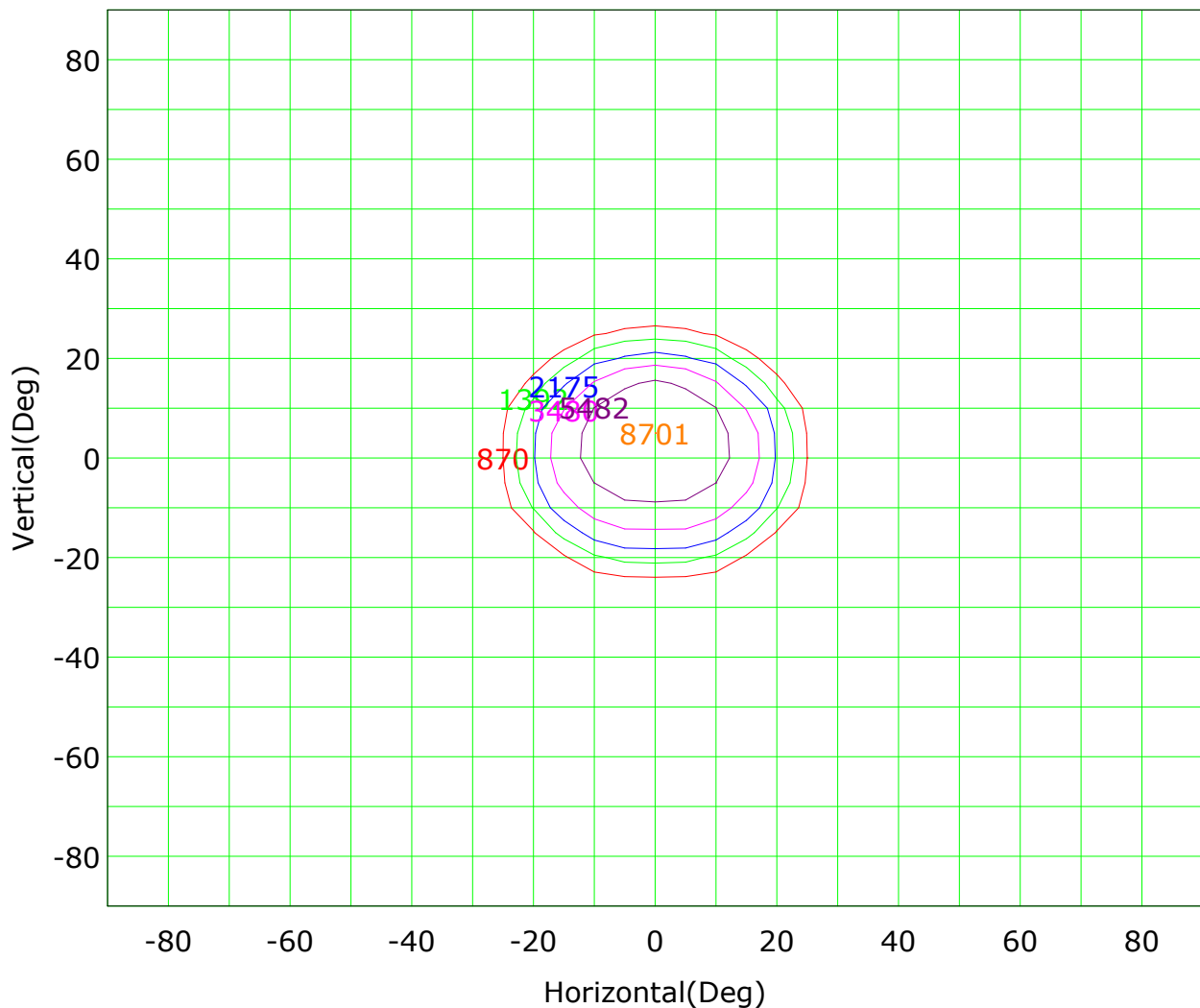
Luminous Intensity Distribution Curve



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%): 8701 cd

(10%): 870 cd	(16%): 1392 cd
(25%): 2175 cd	(40%): 3480 cd
(63%): 5482 cd	(100%): 8701 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

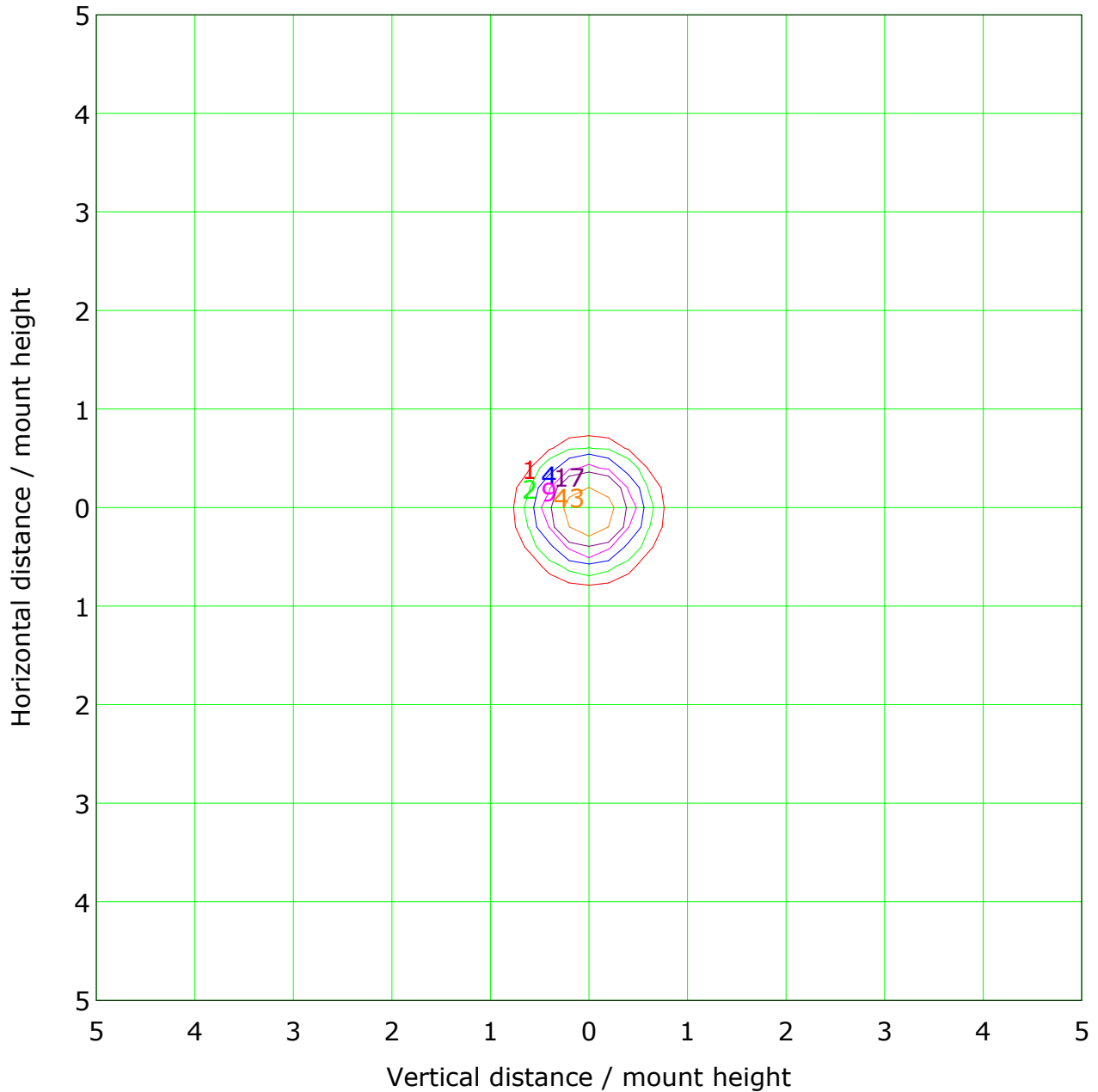
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 86 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	4 lx	(10%):	9 lx
(20%):	17 lx	(50%):	43 lx
(100%):	86 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

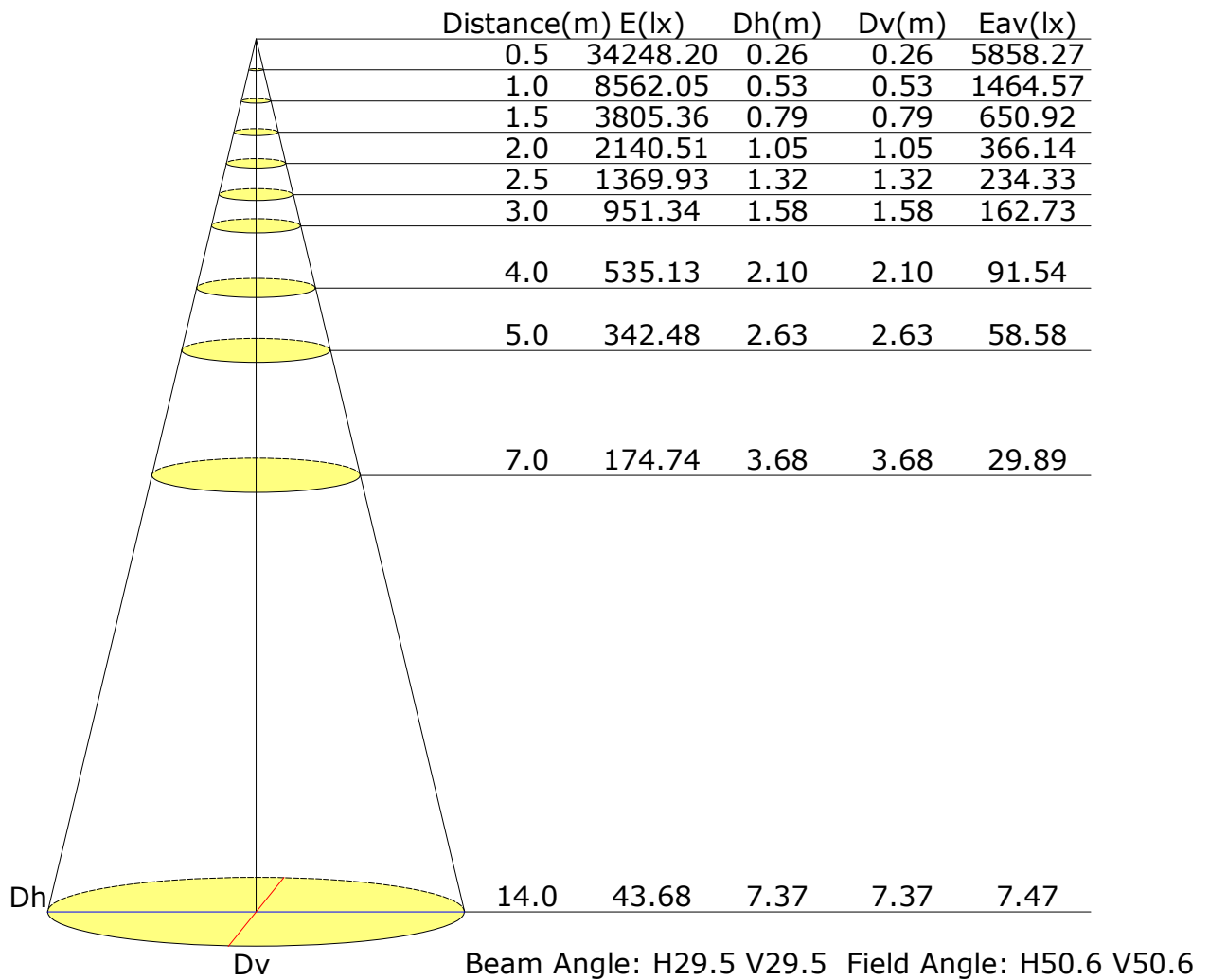
Test Device: CHL-6E

Distance: 3.000 m

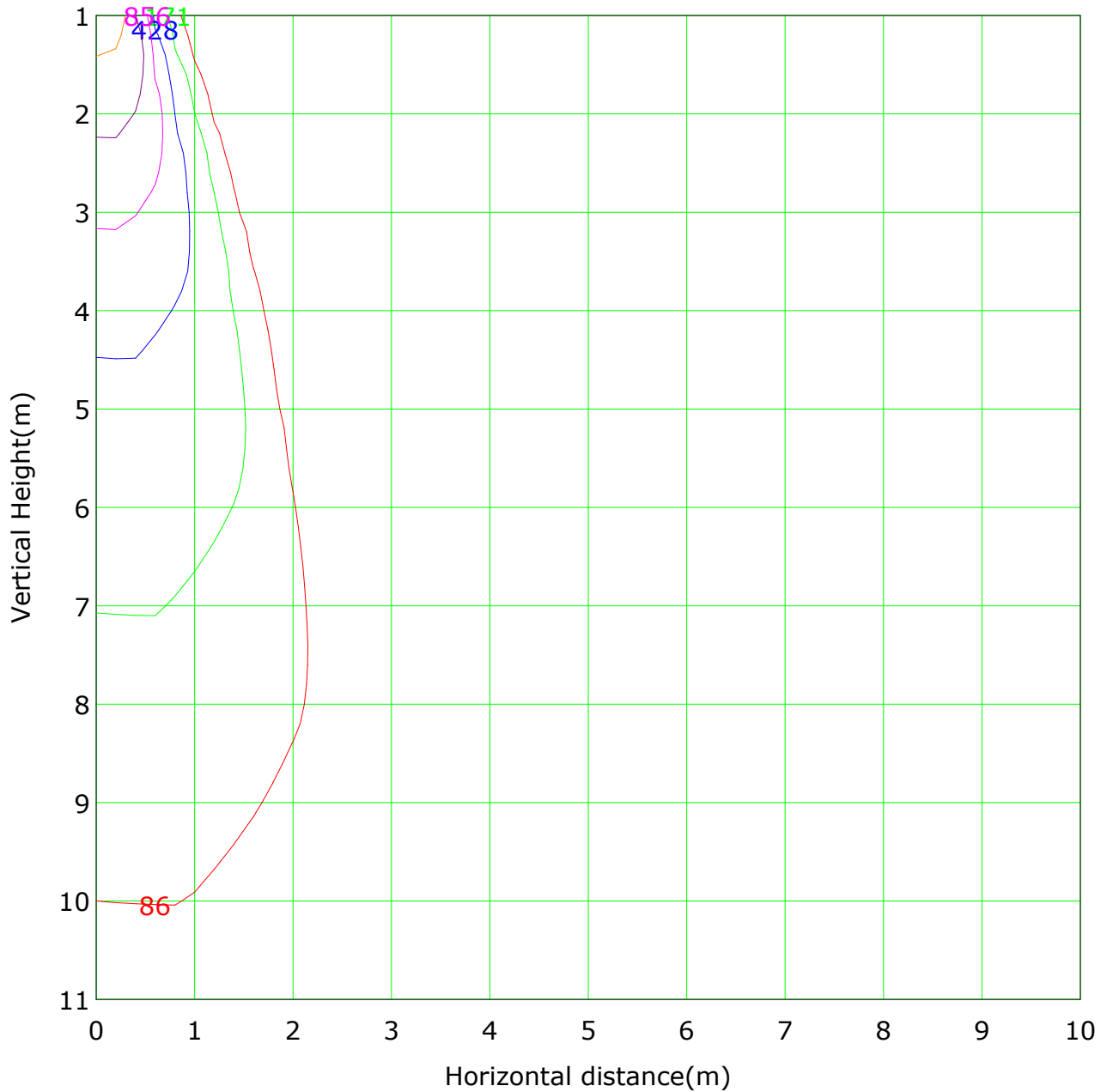
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



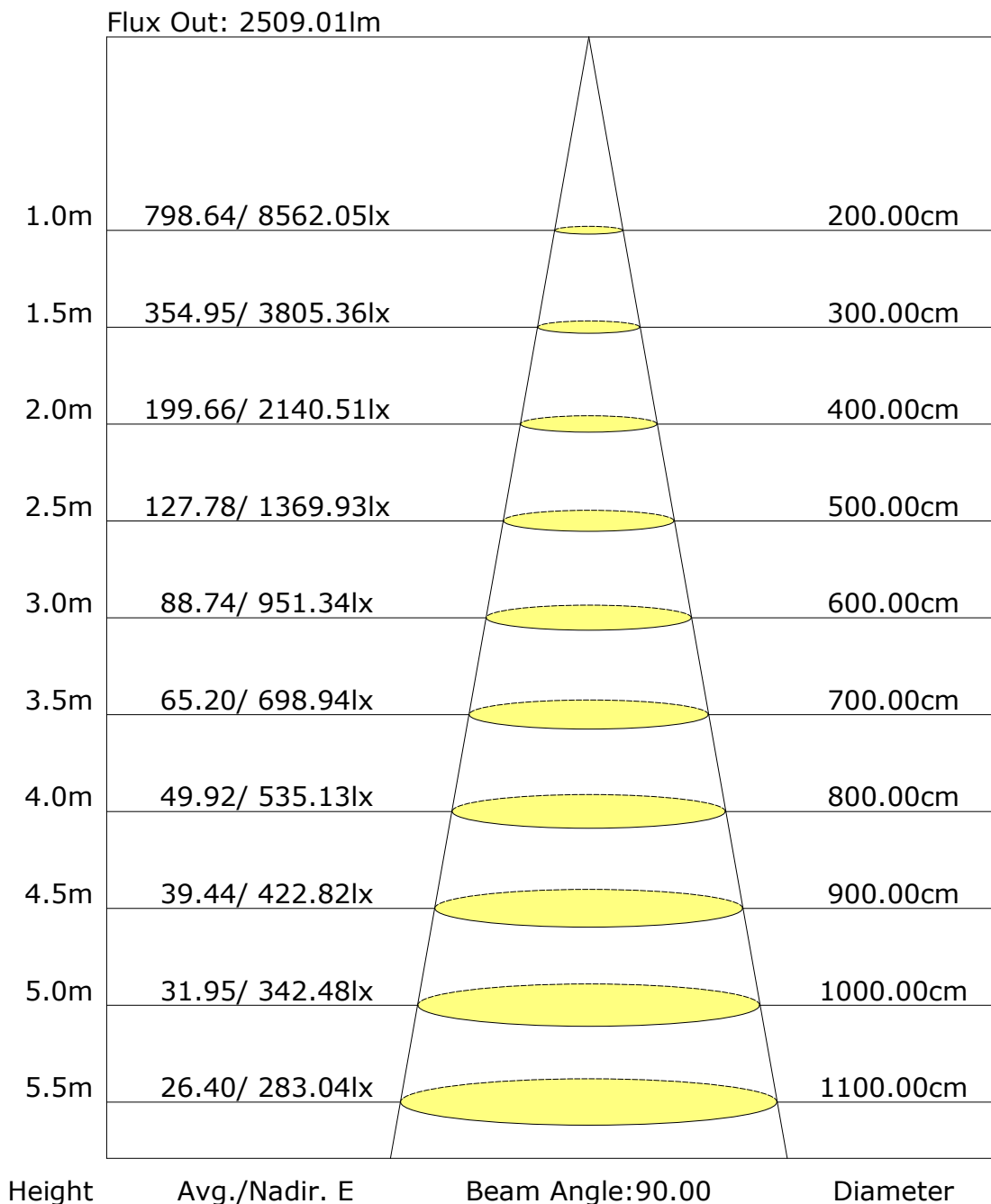
Lowest(m): 1m Highest(m): 11 Max Lux: 8562

(1%): 86 lx	(2%): 171 lx
(5%): 428 lx	(10%): 856 lx
(20%): 1712 lx	(50%): 4281 lx
(100%): 8562 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: