

Report No.: 62.05512 FOS Tracklight

Test Time: 2023-07-07 22:52

Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Luminaire Description: 20D

Current: 0.228 A

Power Factor: 0.552

Voltage: 218.3 V

Power: 27.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1840.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.2

Vertical Diffuse Angle(50%): V20.2

Luminaire Efficacy Rating (LER): 67

Max. Intensity: 11082.45 cd

Total Rated Lamp Lumens: 1840.8 lm

Efficiency: 100%

Upward Ratio: 0%

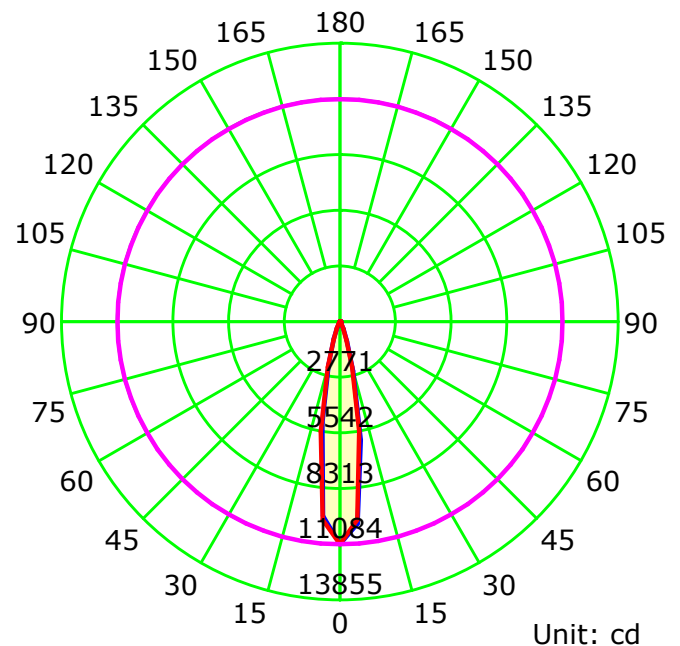
Central Intensity: 11082.44 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

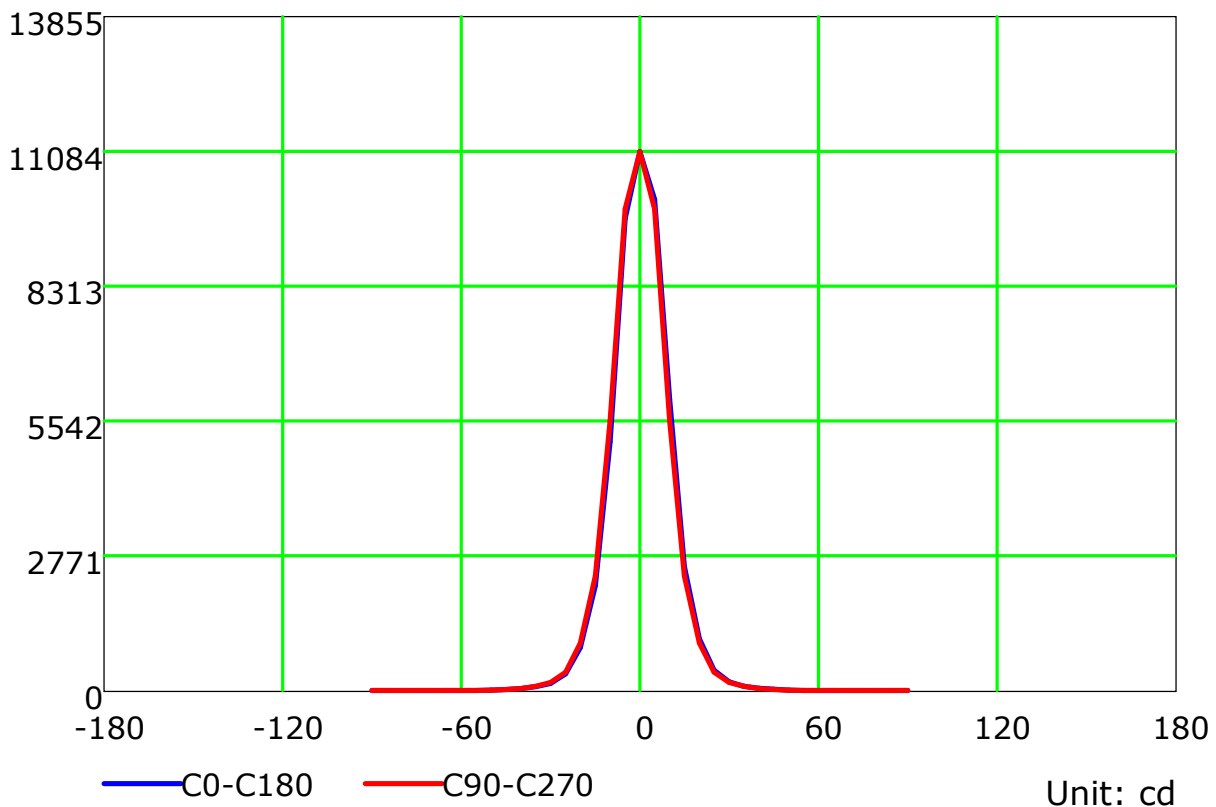
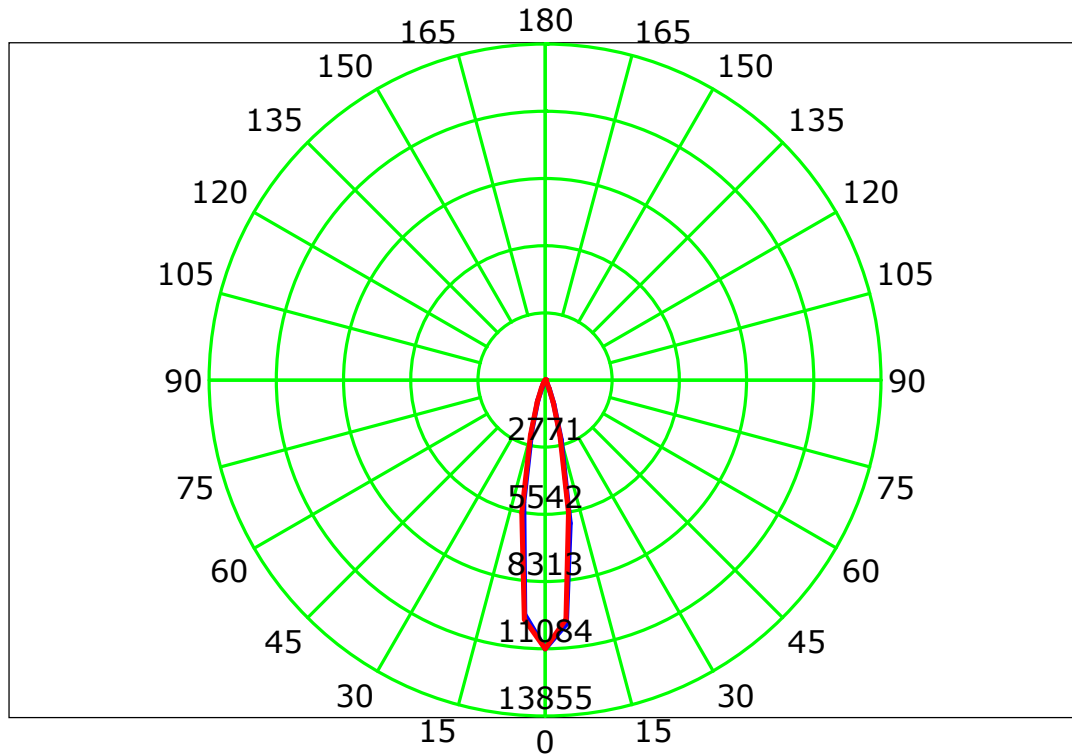
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

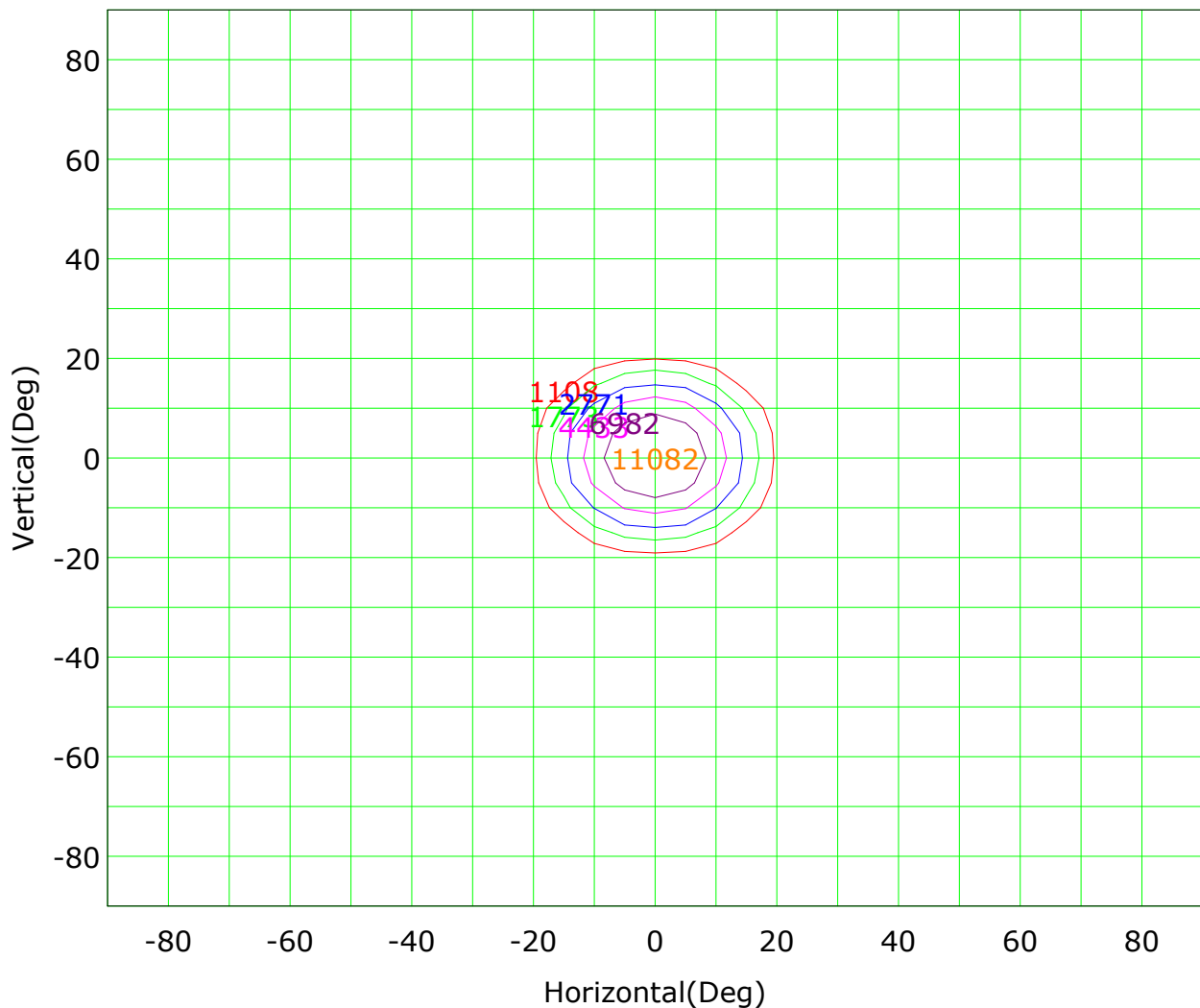
Luminous Intensity Distribution Curve



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%): 11082 cd

(10%): 1108 cd	(16%): 1773 cd
(25%): 2771 cd	(40%): 4433 cd
(63%): 6982 cd	(100%): 11082 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

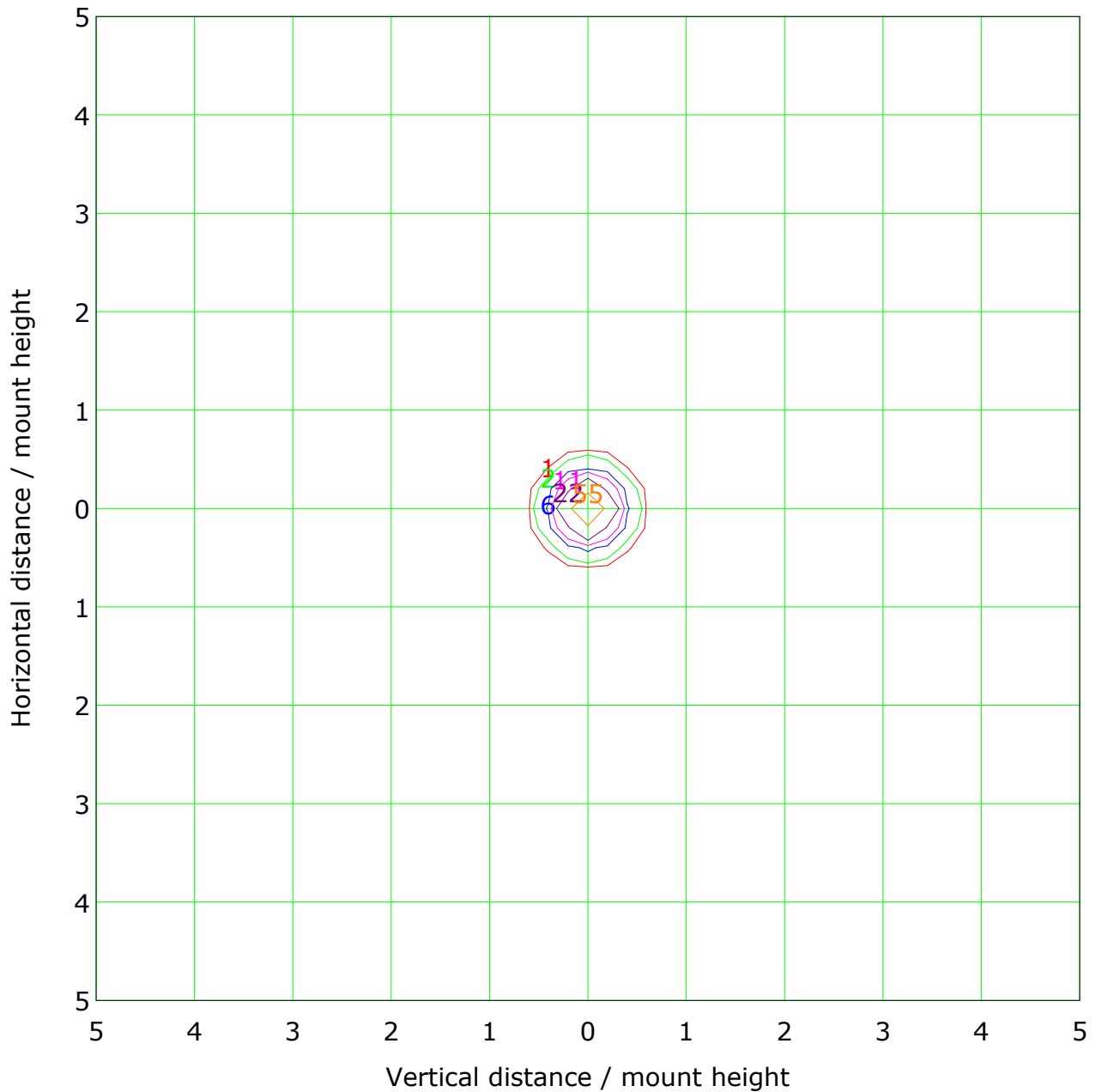
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot

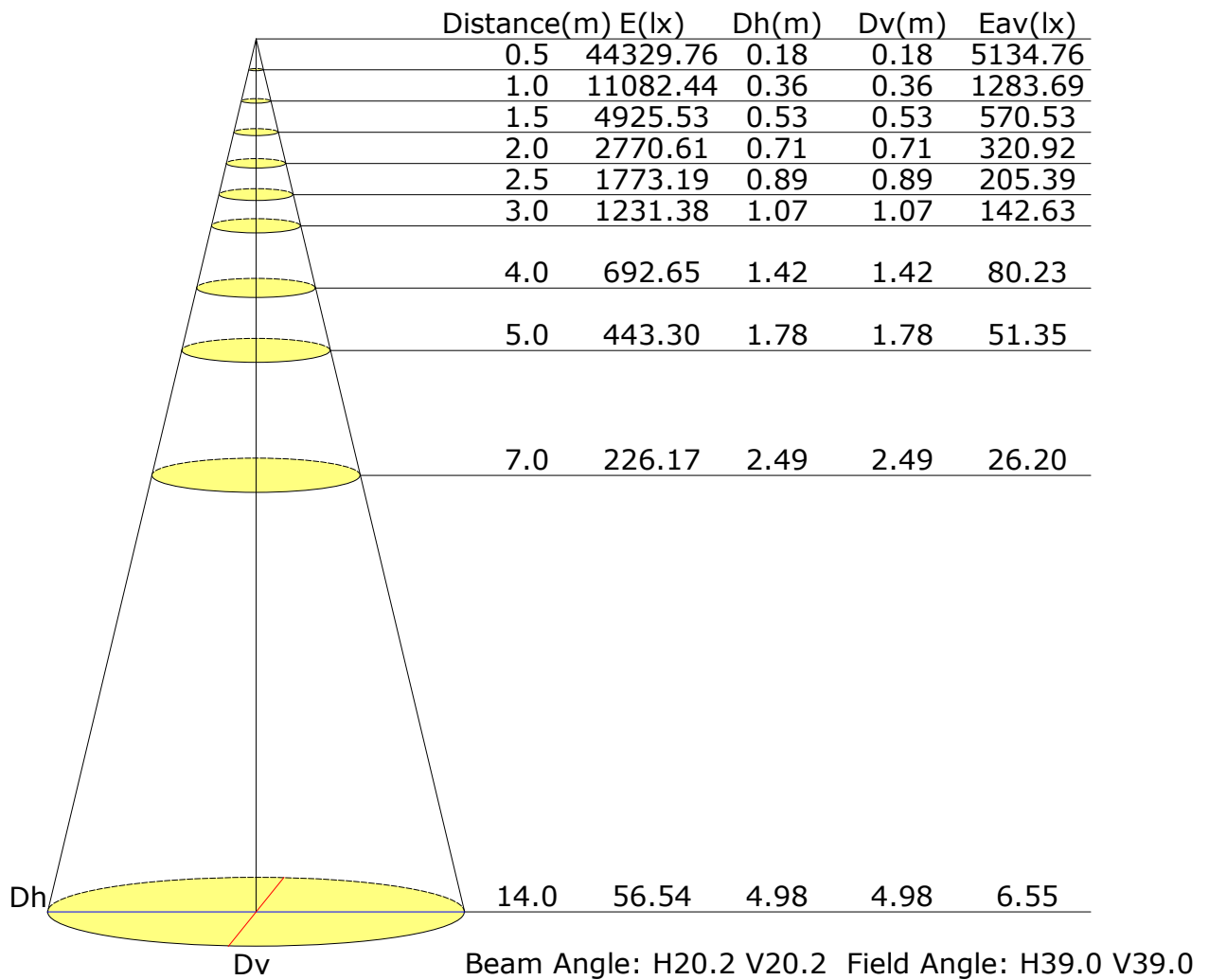


Mounting Height: 10m		Max Lux(100%): 111 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	6 lx	(10%):	11 lx
(20%):	22 lx	(50%):	55 lx
(100%):	111 lx		

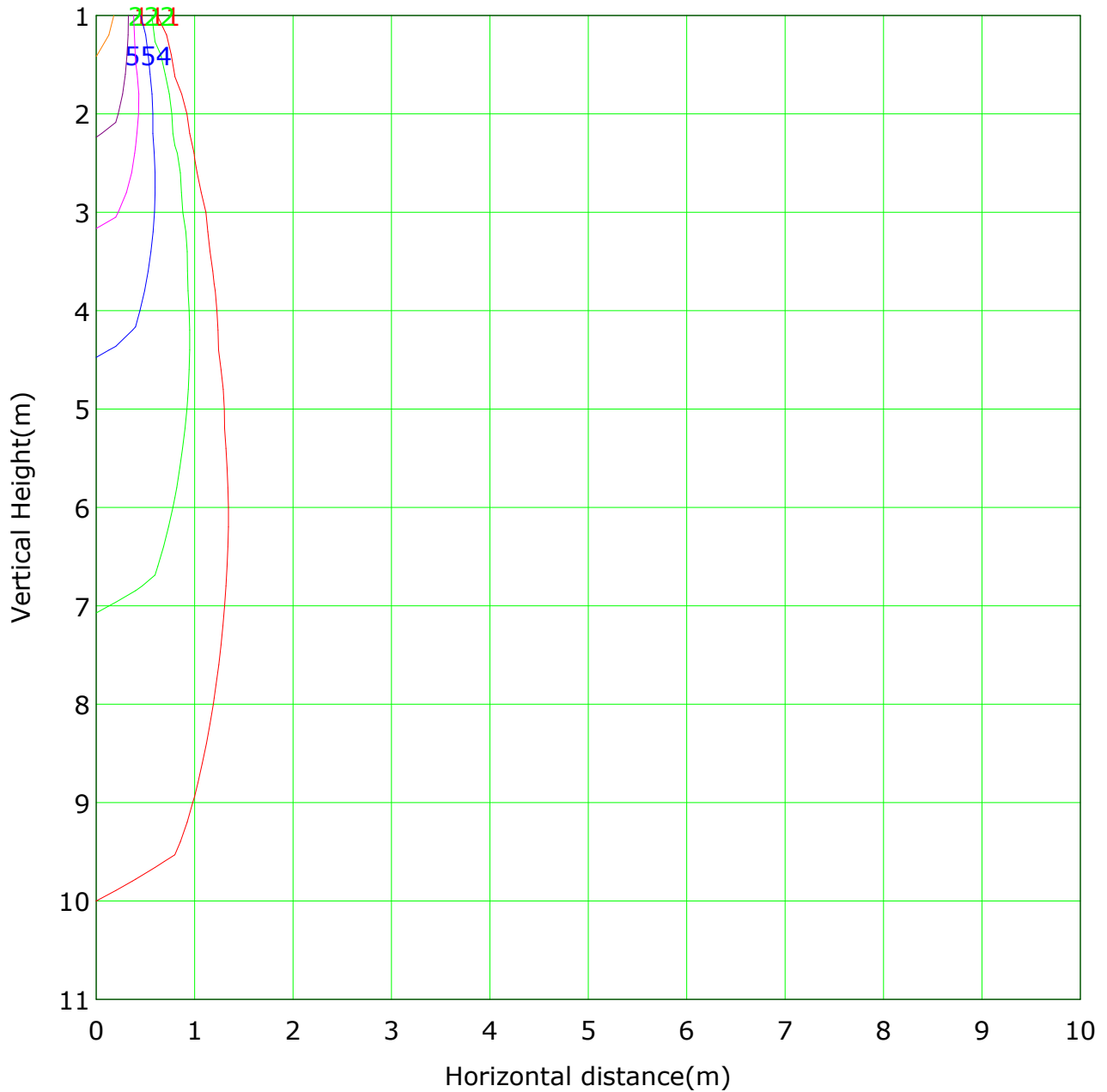
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



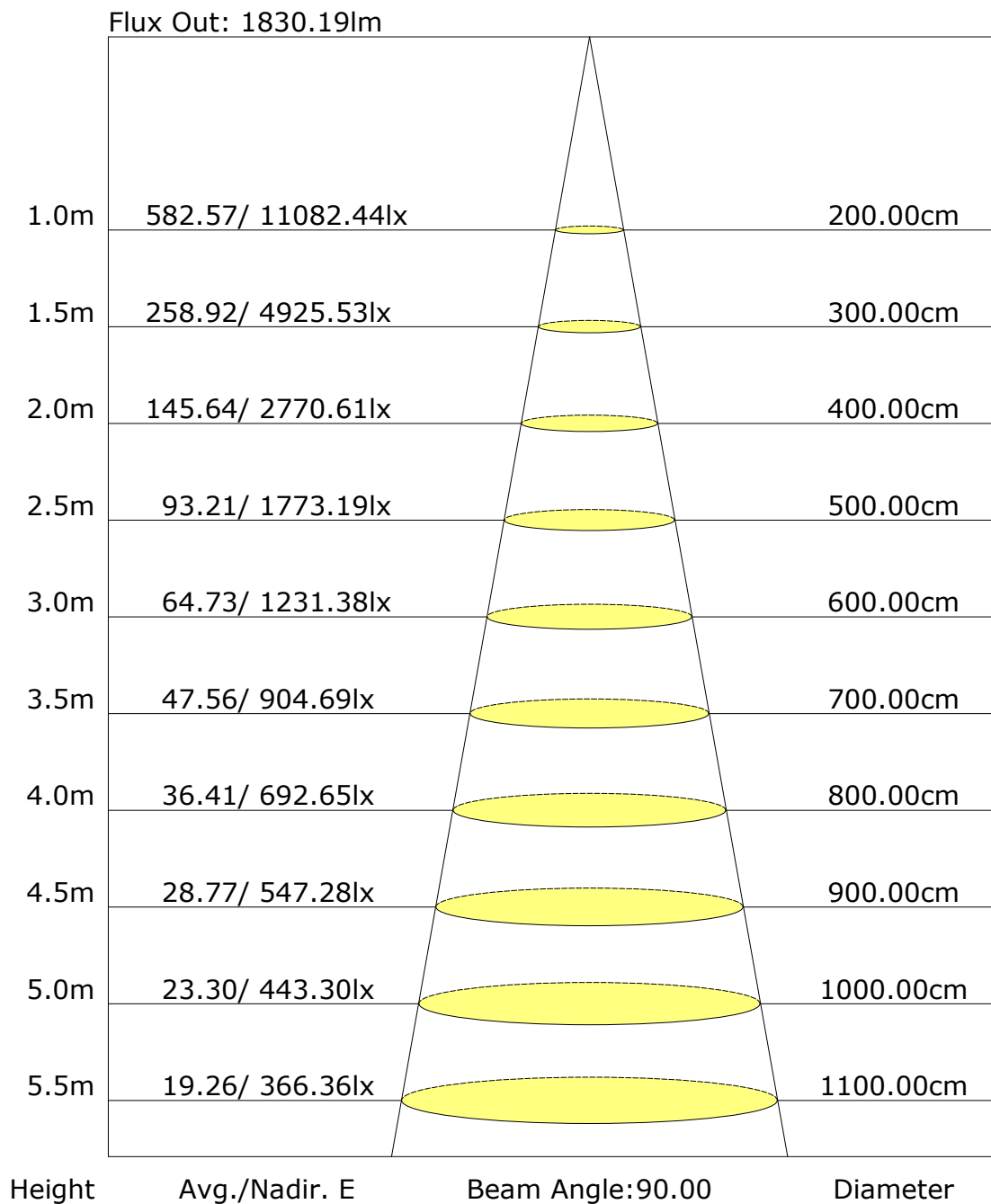
Lowest(m): 1m Highest(m): 11 Max Lux: 11082

(1%): 111 lx	(2%): 222 lx
(5%): 554 lx	(10%): 1108 lx
(20%): 2216 lx	(50%): 5541 lx
(100%): 11082 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: