

Report No.:32.09013-EMMA Track Light Test Time: 2023-06-27 17:19

Luminaire Property

Luminaire Category: Citizen 1206 3000K CRI90

Luminaire Description: 24D

Current: 0.173 A

Power Factor: 0.976

Voltage: 212.6 V

Power: 35.90 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3811.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H19.6

Vertical Diffuse Angle(50%): V19.6

Luminaire Efficacy Rating (LER): 106

Max. Intensity: 27562.25 cd

Total Rated Lamp Lumens: 3811.6 lm

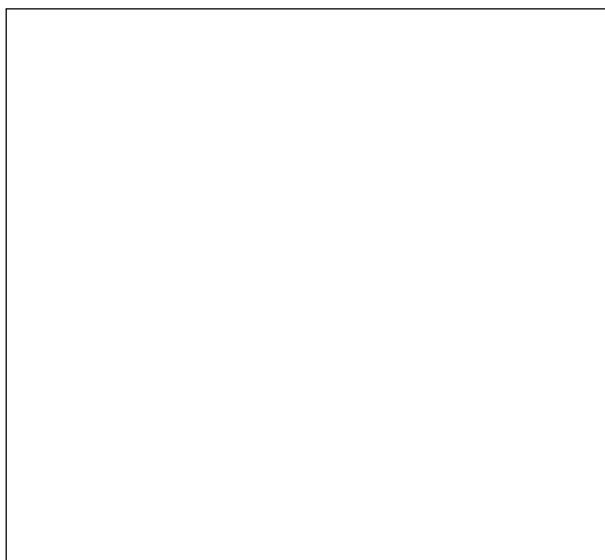
Efficiency: 100%

Upward Ratio: 0%

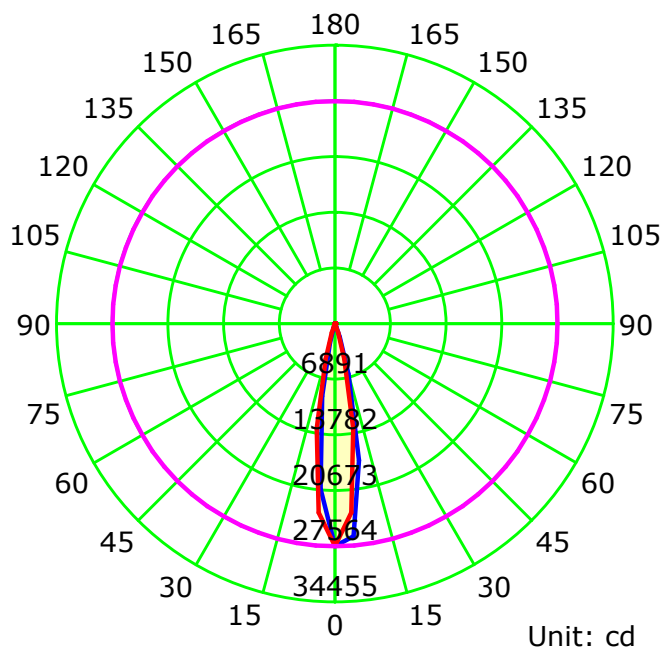
Central Intensity: 27562.25 cd

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

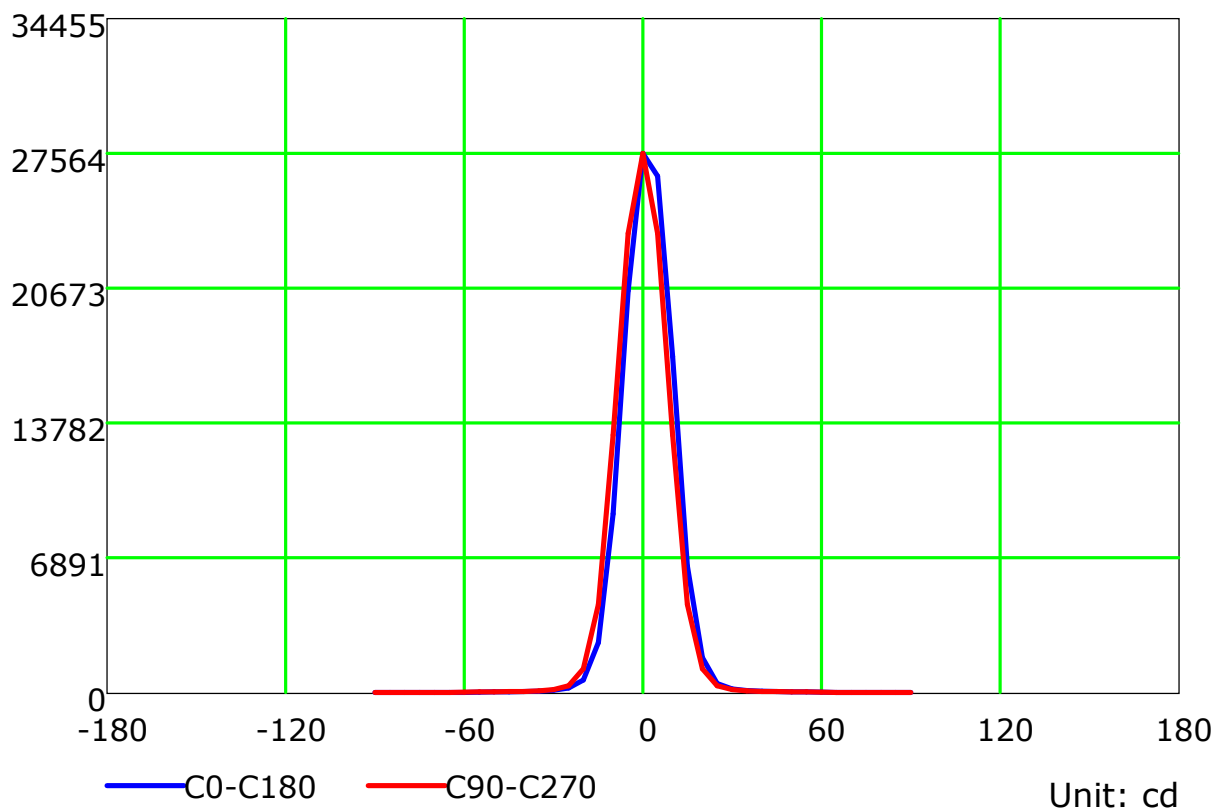
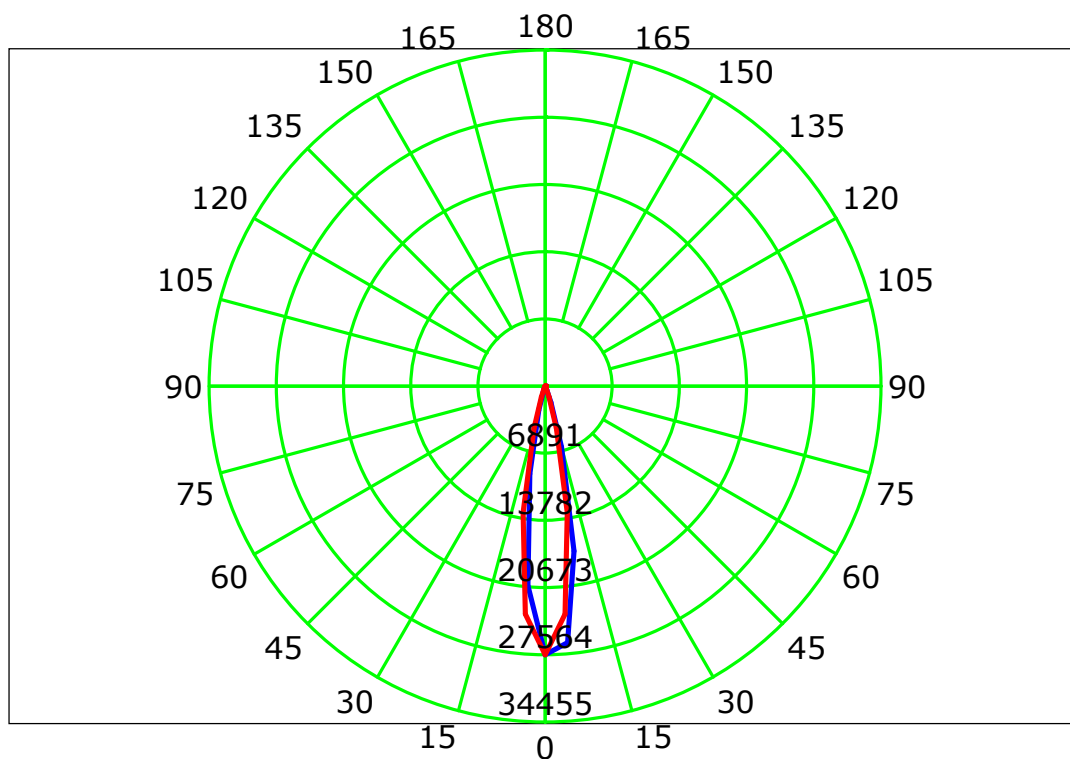
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

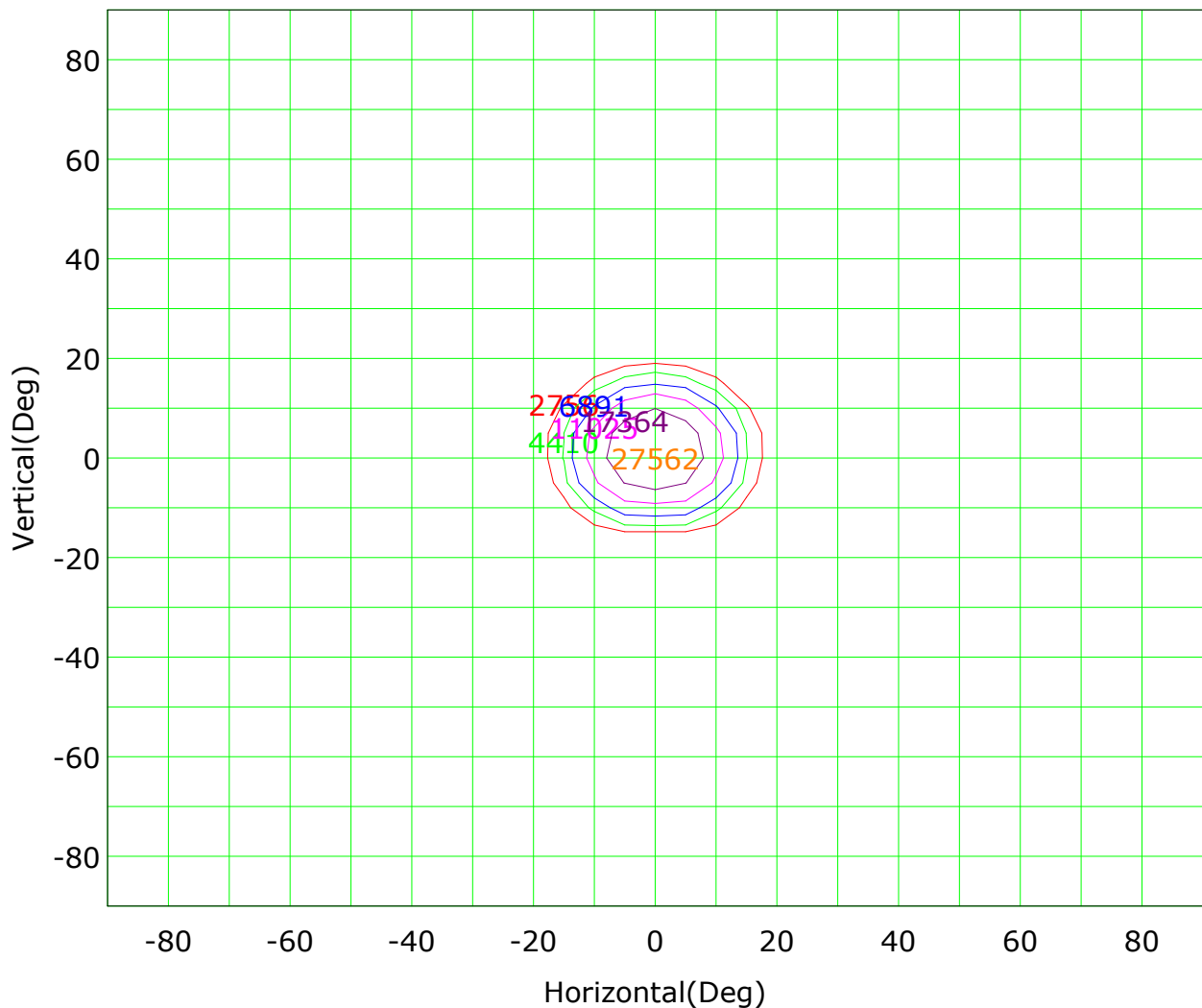
Luminous Intensity Distribution Curve



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%): 27562 cd

(10%): 2756 cd	(16%): 4410 cd
(25%): 6891 cd	(40%): 11025 cd
(63%): 17364 cd	(100%): 27562 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

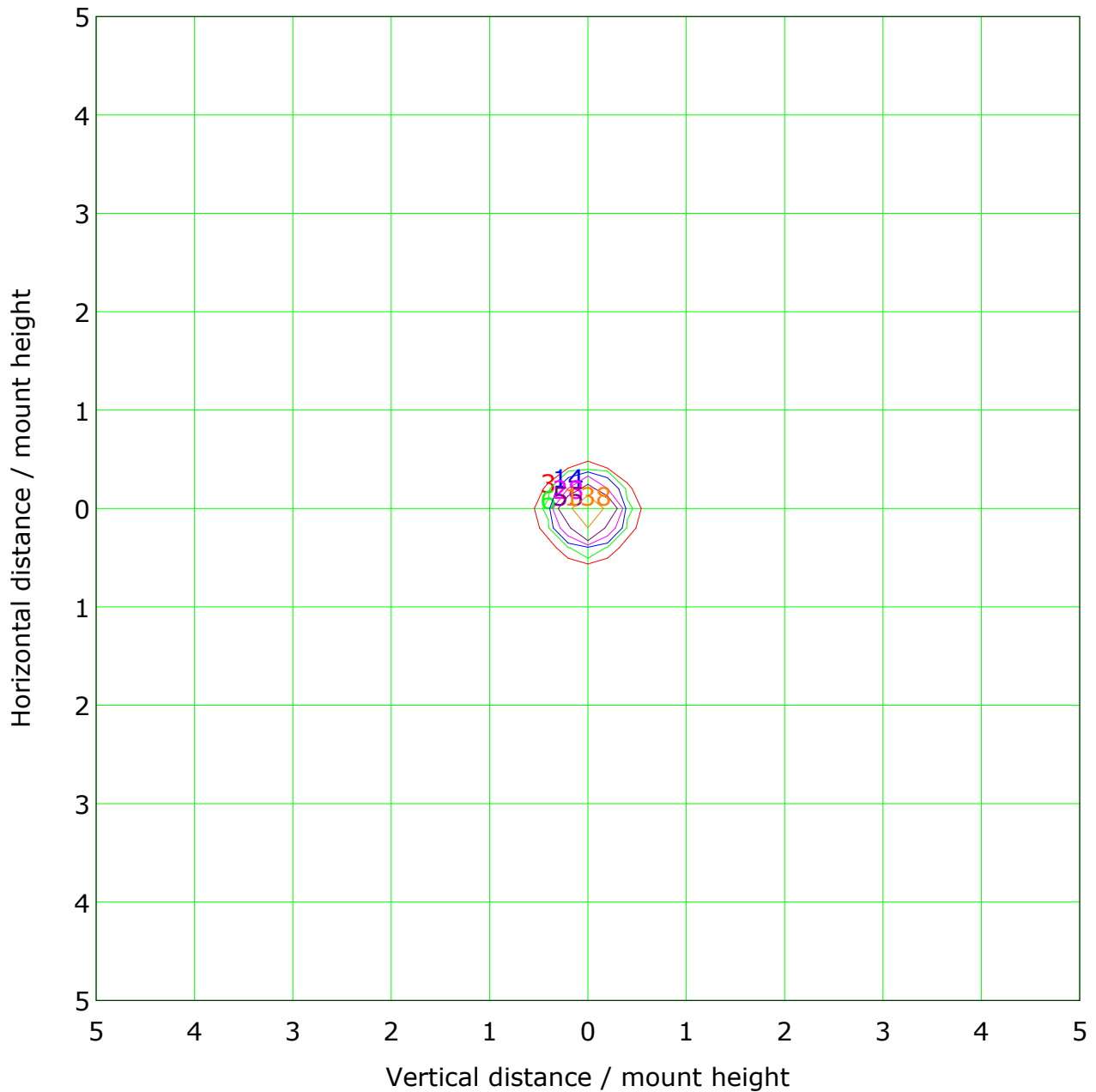
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



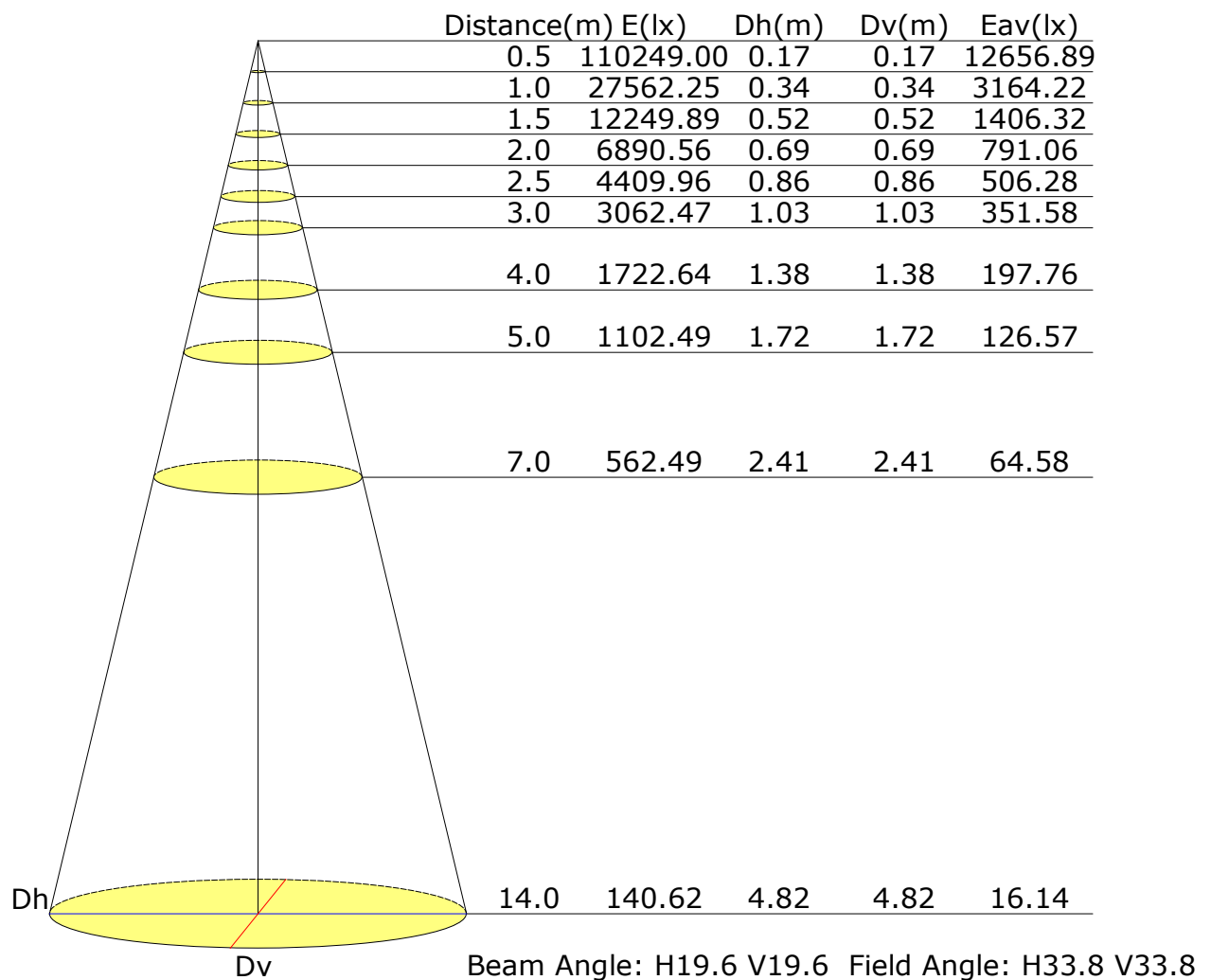
Mounting Height: 10m Max Lux(100%): 276 lx

(1%): 3 lx	(2%): 6 lx
(5%): 14 lx	(10%): 28 lx
(20%): 55 lx	(50%): 138 lx
(100%): 276 lx	

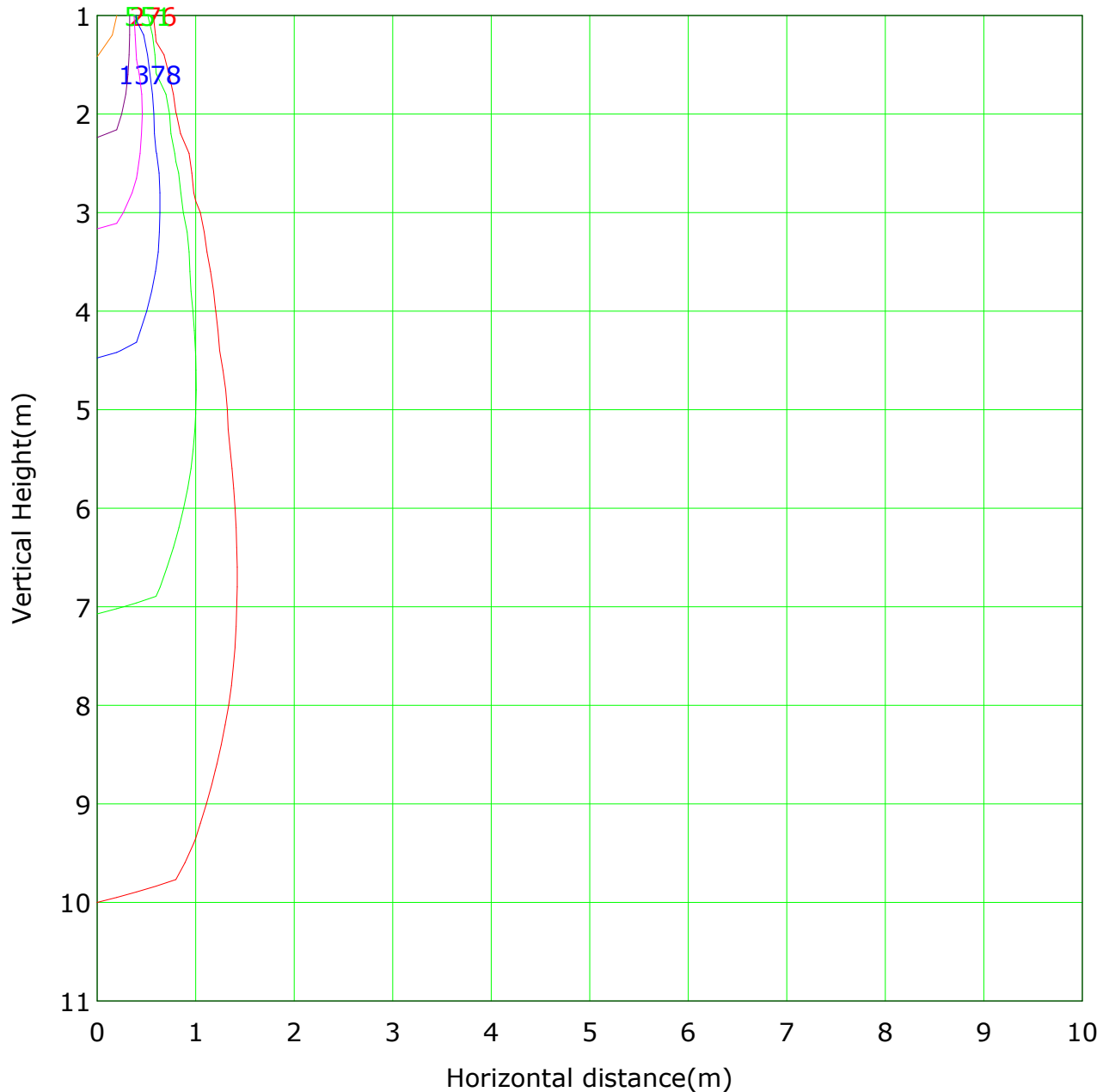
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

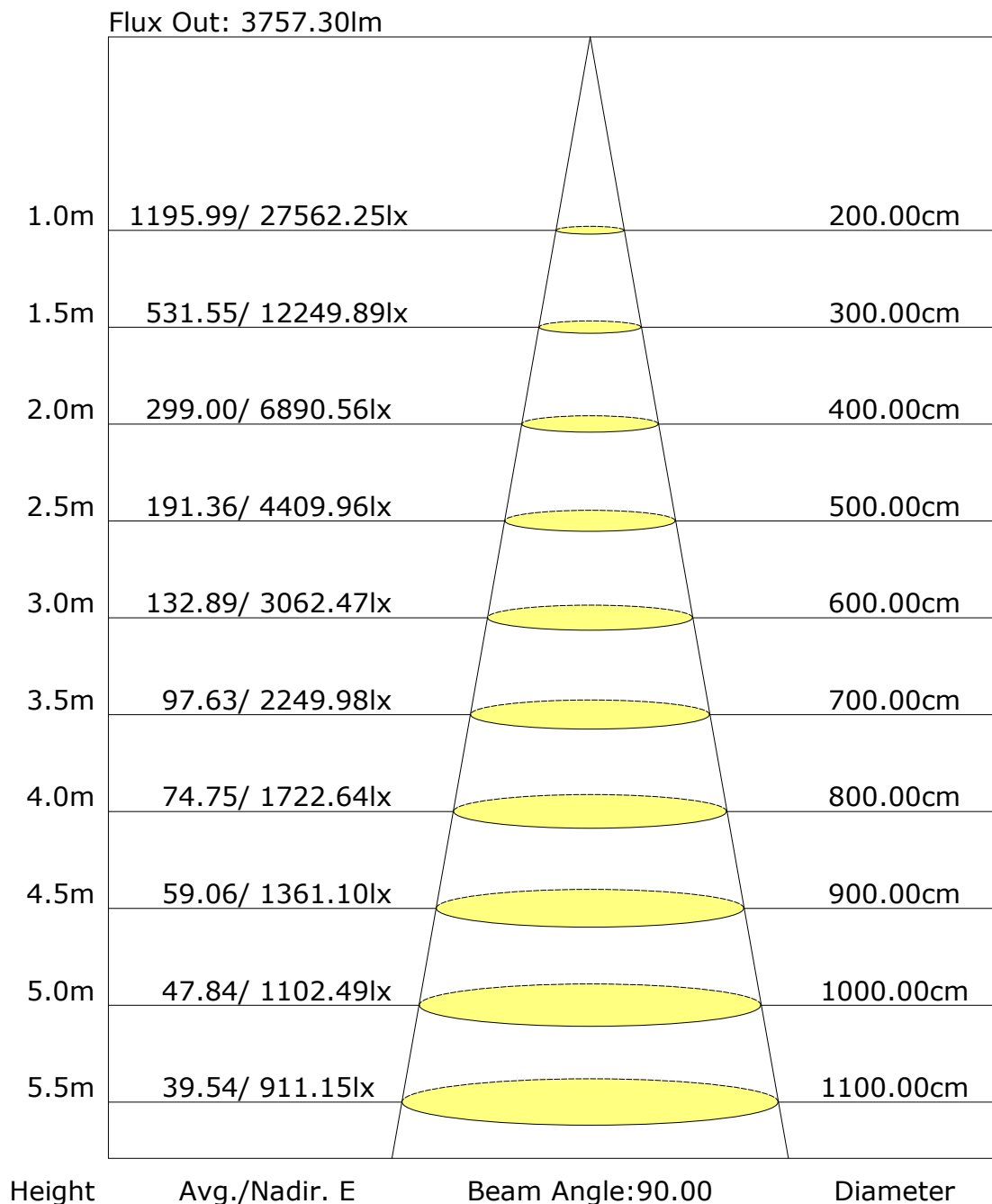


Lowest(m): 1m Highest(m): 11 Max Lux: 27562
— (1%): 276 lx — (2%): 551 lx
— (5%): 1378 lx — (10%): 2756 lx
— (20%): 5512 lx — (50%): 13781 lx
— (100%): 27562 lx

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: