

Report No.: 32.06519 SPECTRUM Tracklight Test Time: 2023-09-13 17:36

Luminaire Property

Luminaire Category: Bridgelux F90 V10C 3000K CRI90

Voltage: 223.9 V

Current: 0.093 A

Power: 19.90 W

Power Factor: 0.950

Photometric Results

CIE Class: Direct

Measurement Flux: 2313.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H39.3

Vertical Diffuse Angle(50%): V39.3

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 5352.8 cd

Total Rated Lamp Lumens: 2313.5 lm

Efficiency: 100%

Upward Ratio: 0%

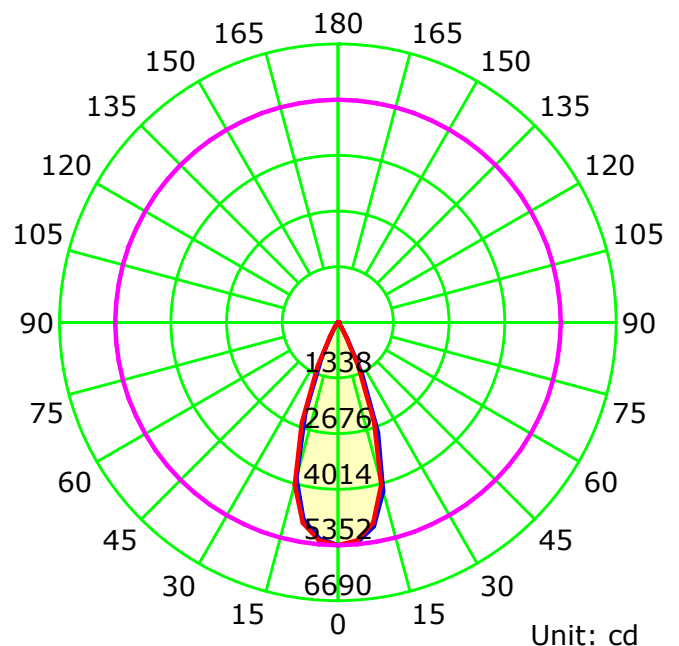
Central Intensity: 5352.8 cd

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

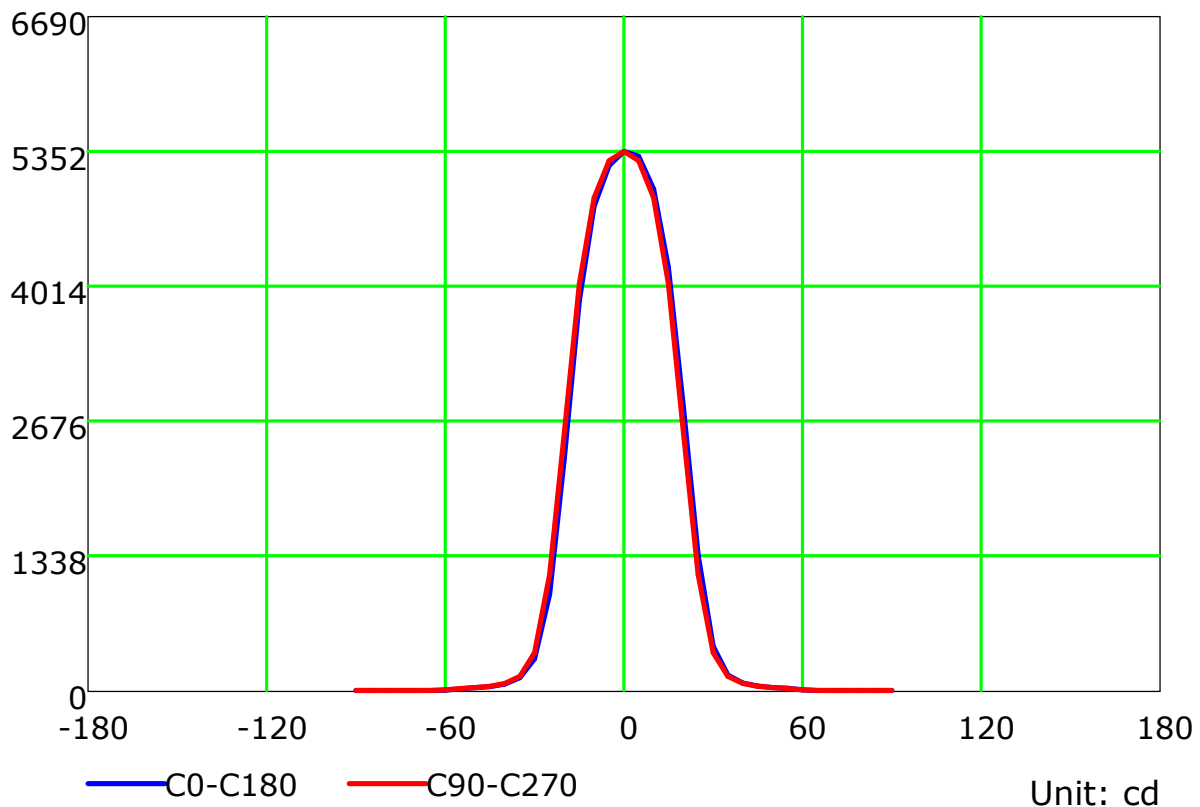
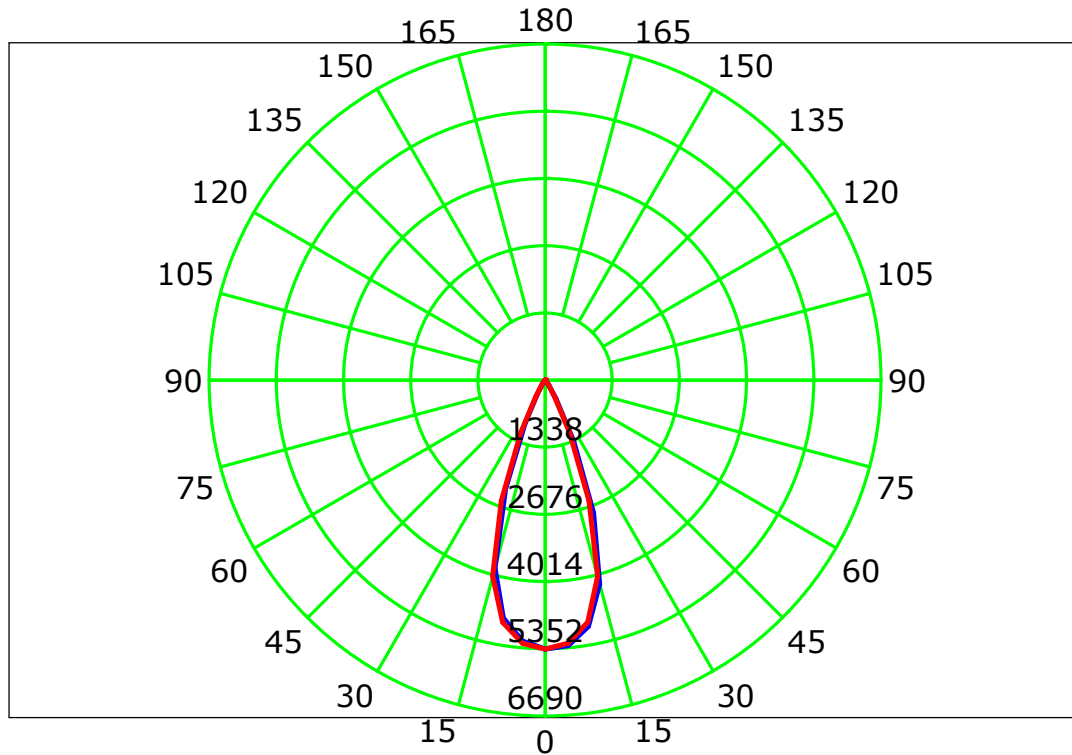
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

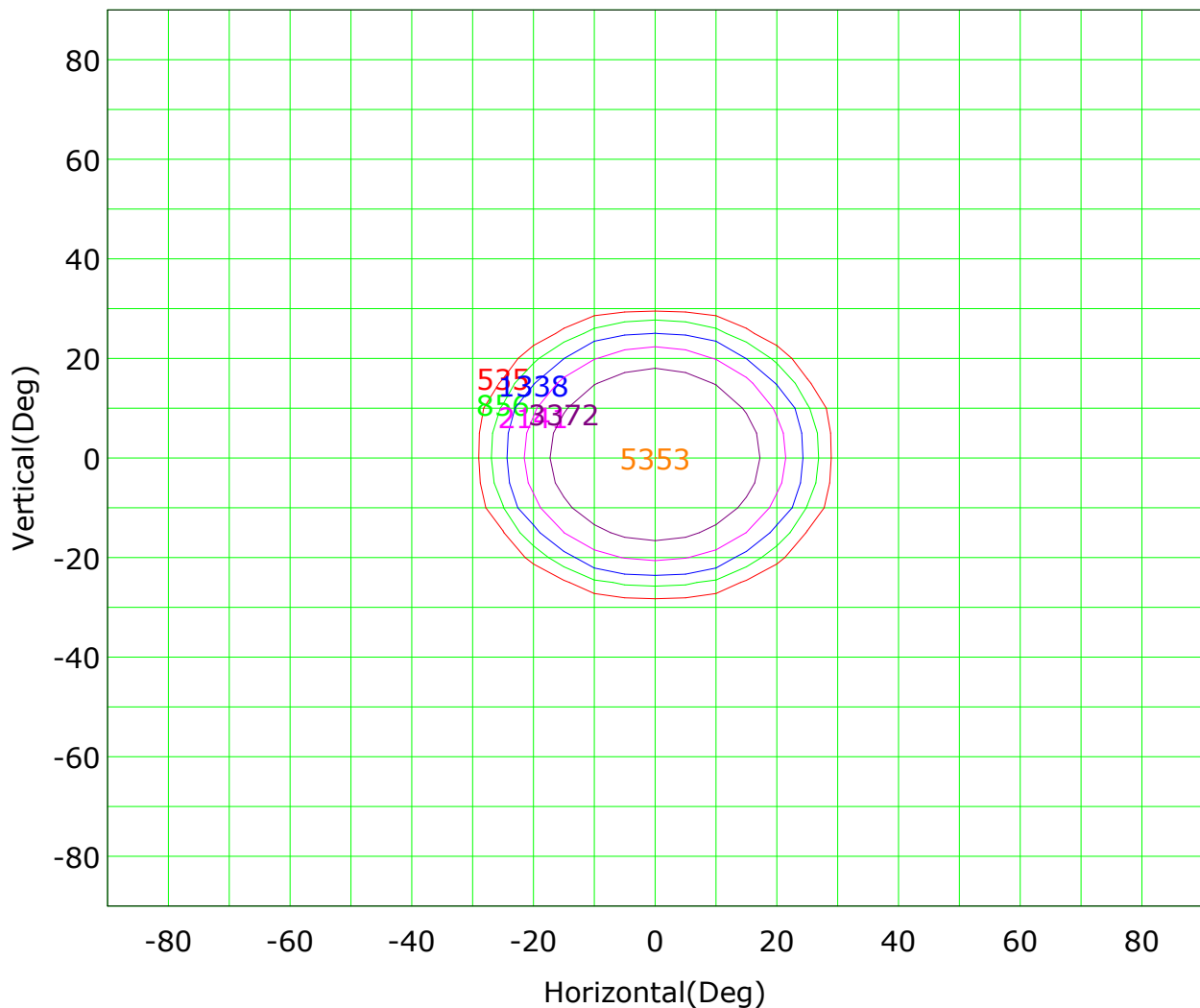
Luminous Intensity Distribution Curve



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%): 5353 cd

(10%): 535 cd	(16%): 856 cd
(25%): 1338 cd	(40%): 2141 cd
(63%): 3372 cd	(100%): 5353 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

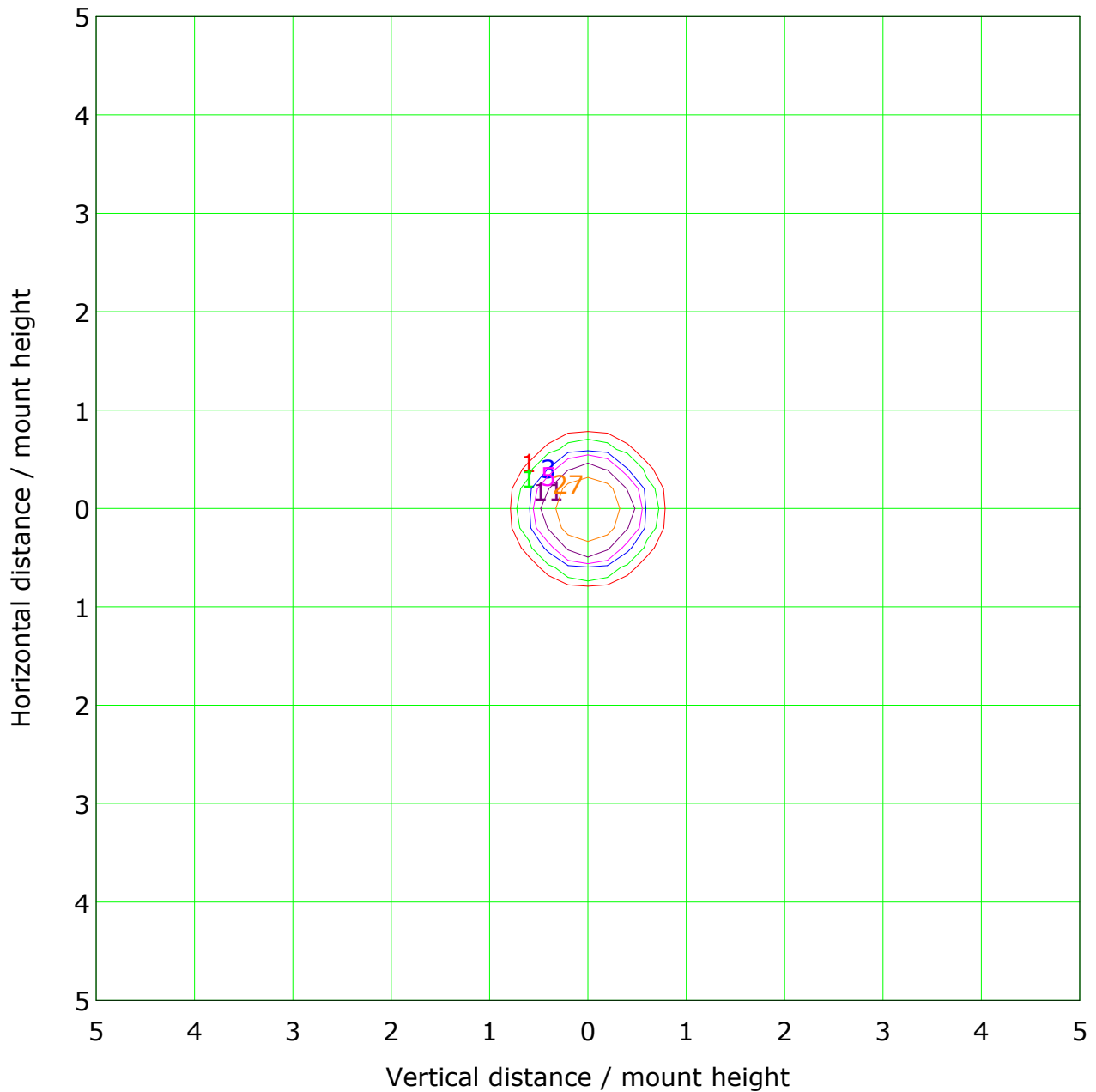
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 54 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	5 lx
(20%):	11 lx	(50%):	27 lx
(100%):	54 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

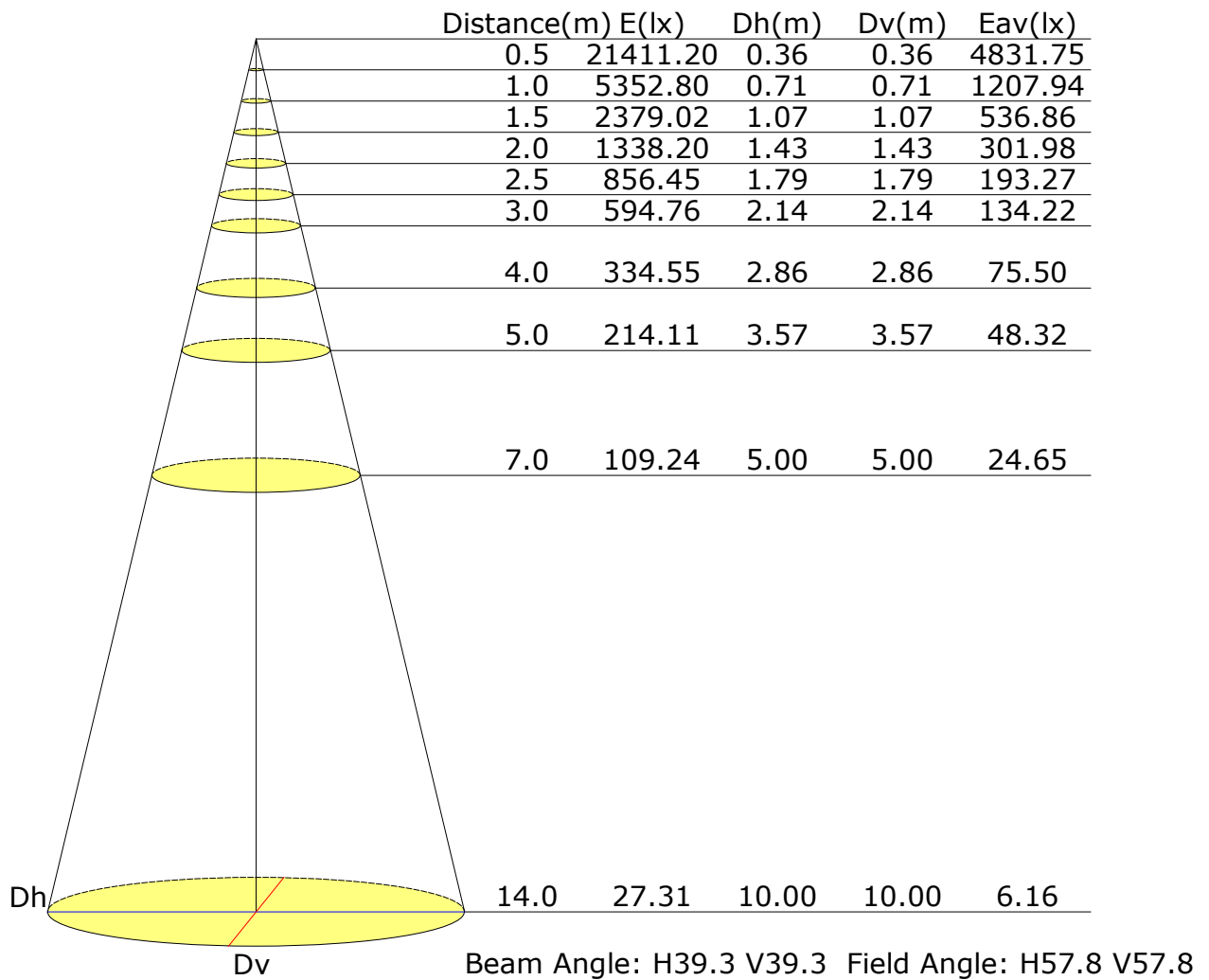
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

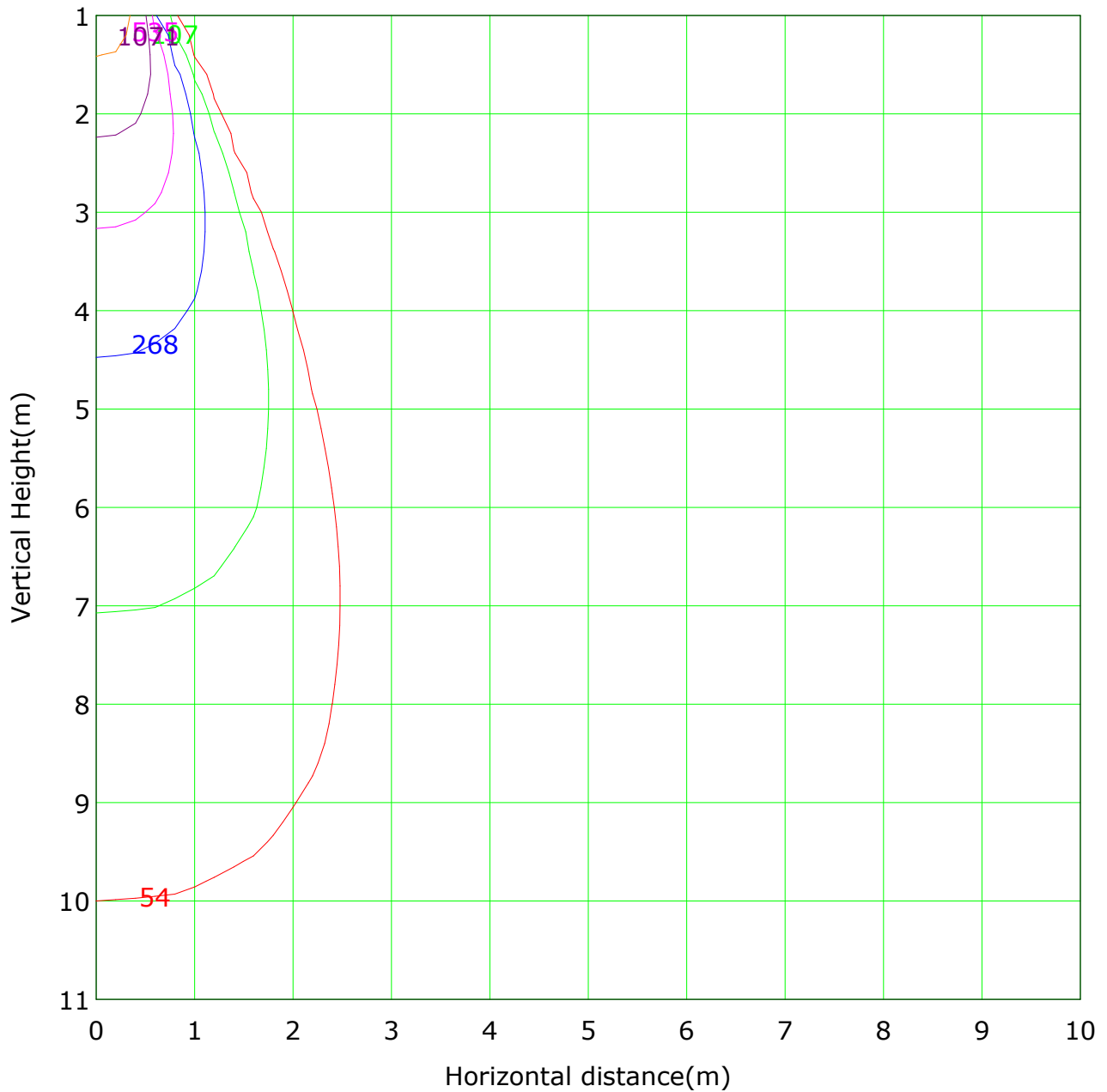
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Vertical IsoLux Plot



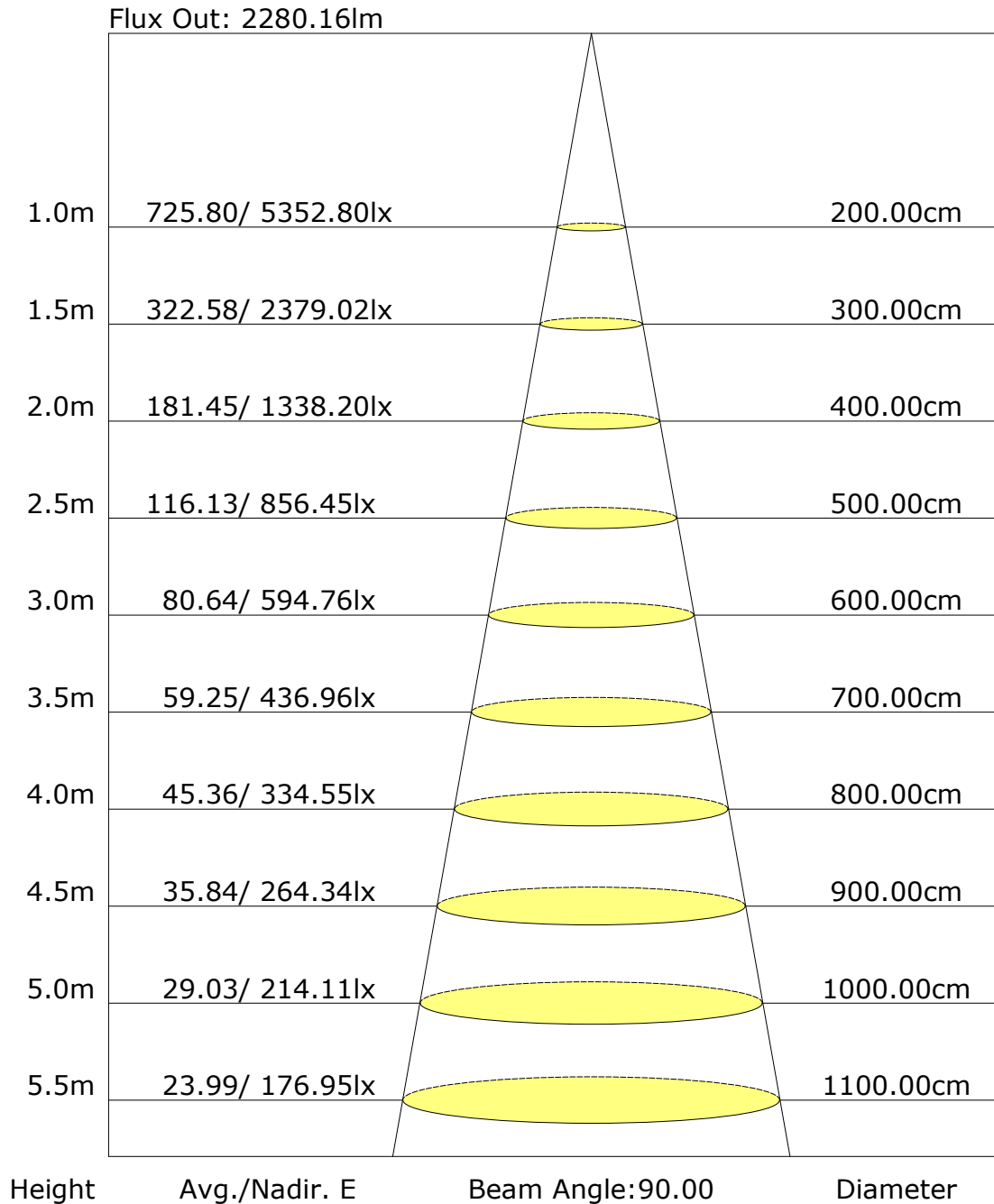
Lowest(m): 1m Highest(m): 11 Max Lux: 5353

(1%): 54 lx	(2%): 107 lx
(5%): 268 lx	(10%): 535 lx
(20%): 1071 lx	(50%): 2676 lx
(100%): 5353 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:

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector: