

Report No.:56.06511-Recessed Downlight Test Time: 2022-04-26 15:39

## Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 214.2 V

Current: 0.120 A

Power: 24.10 W

Power Factor: 0.940

## Photometric Results

CIE Class: Direct

Measurement Flux: 2221.4 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2221.4 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H47.9,H39.1,H30.5,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V47.9,V39.1,V30.5,V1

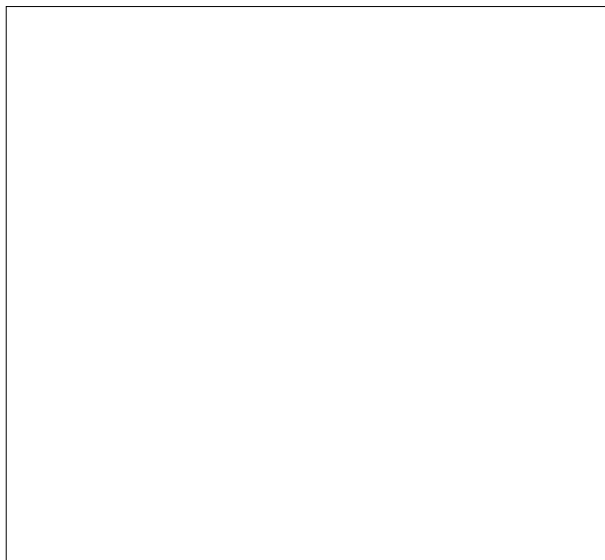
Luminaire Efficacy Rating (LER): 92

Central Intensity: 5317.1 cd

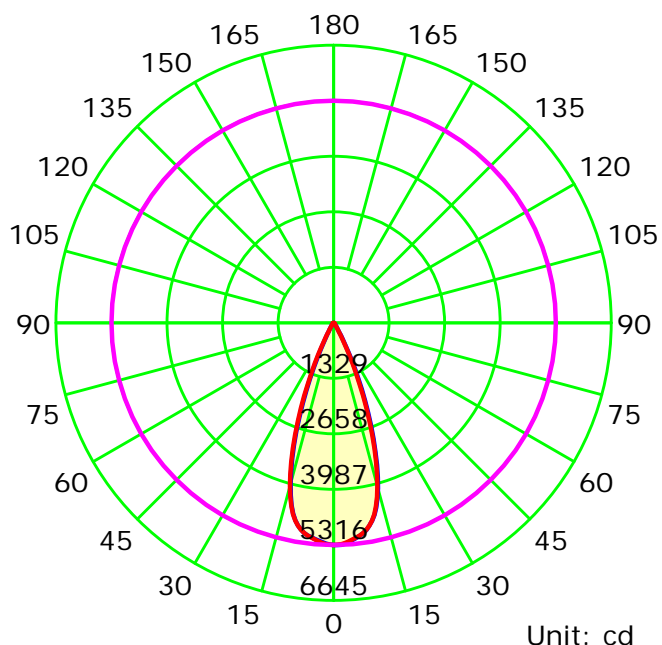
Max. Intensity: 5317.11 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 39.1°

— 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: 1.0

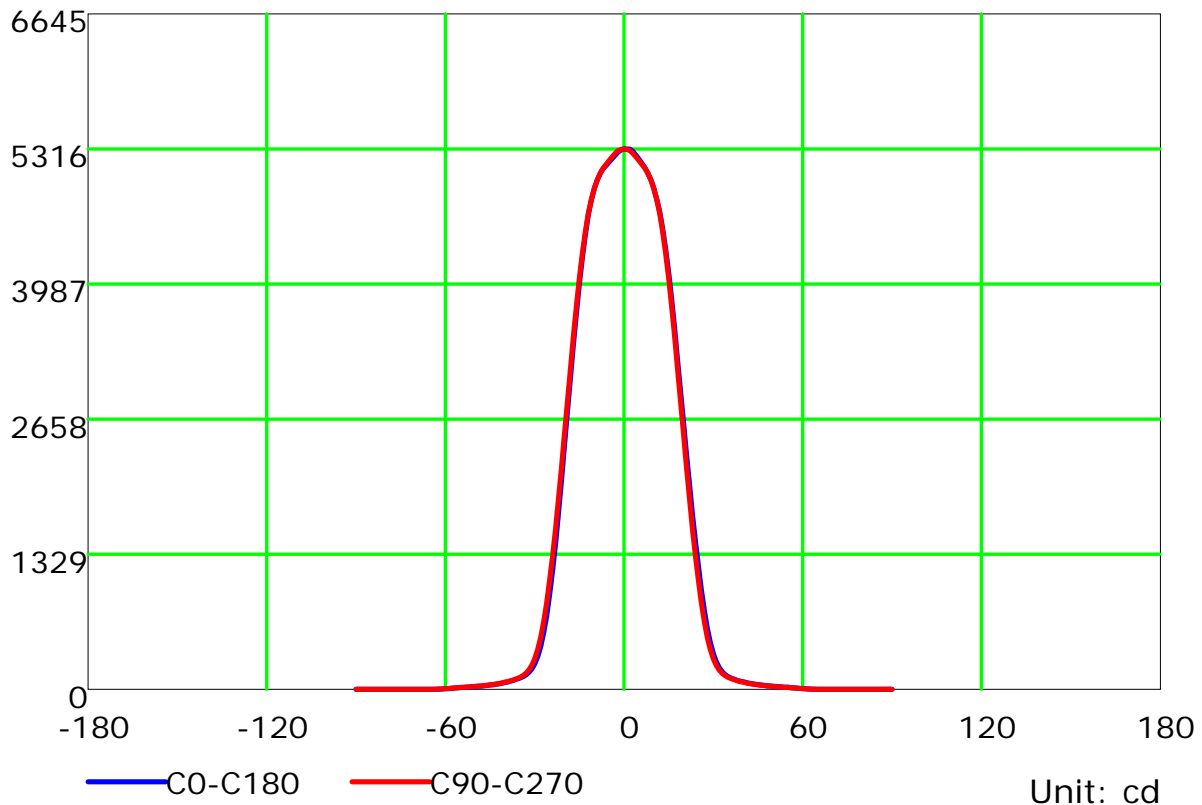
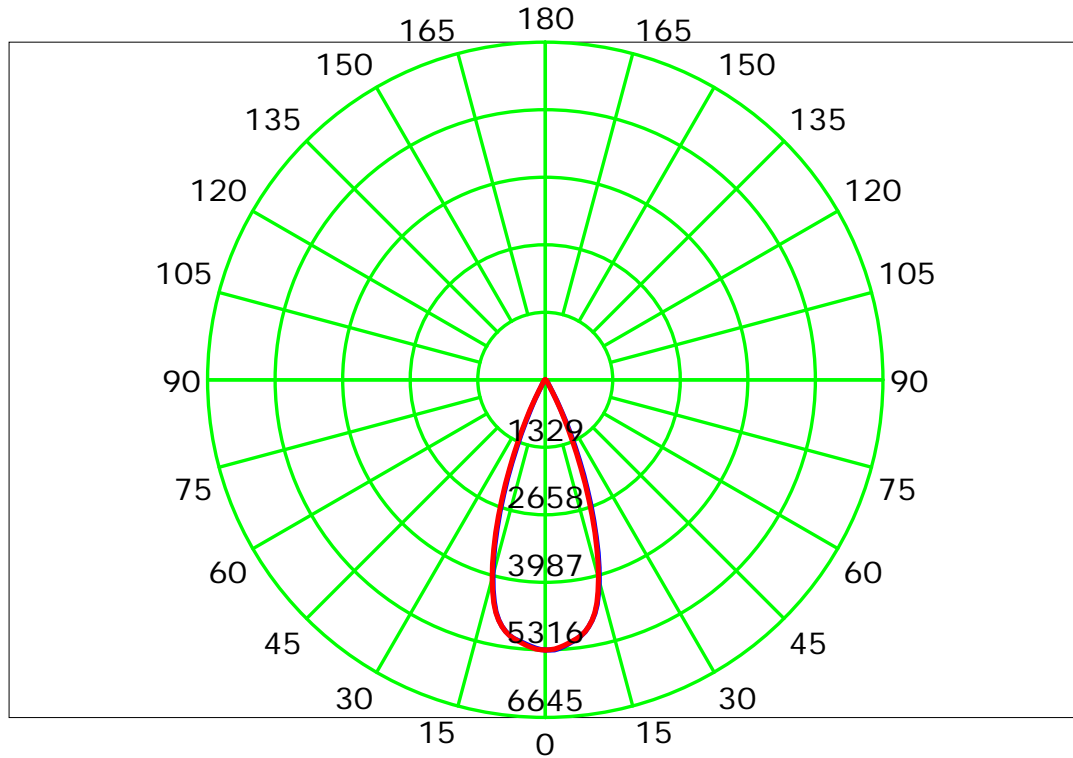
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

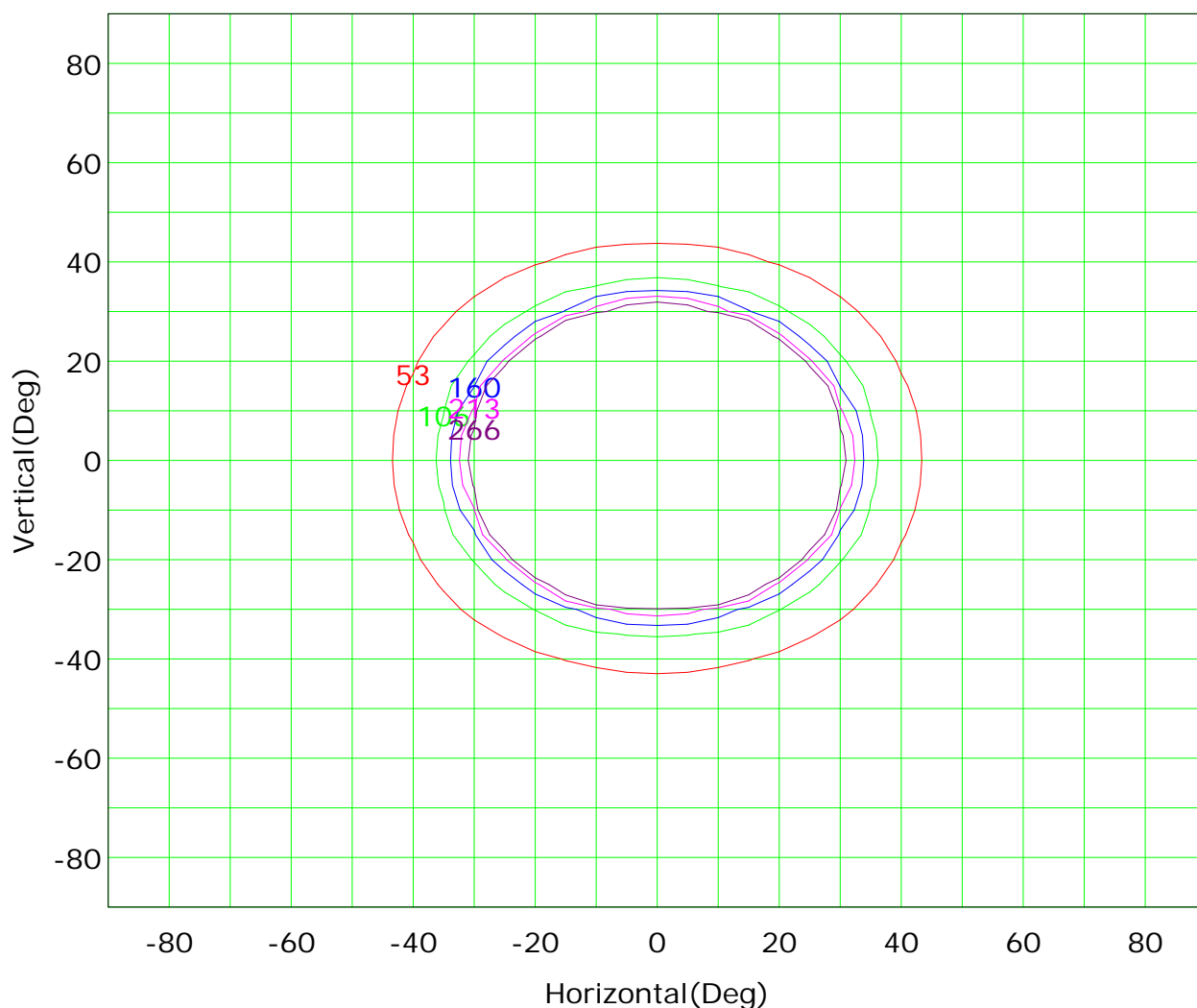
## Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 5317 cd

( 1%): 53 cd  
( 3%): 160 cd  
( 5%): 266 cd

( 2%): 106 cd  
( 4%): 213 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

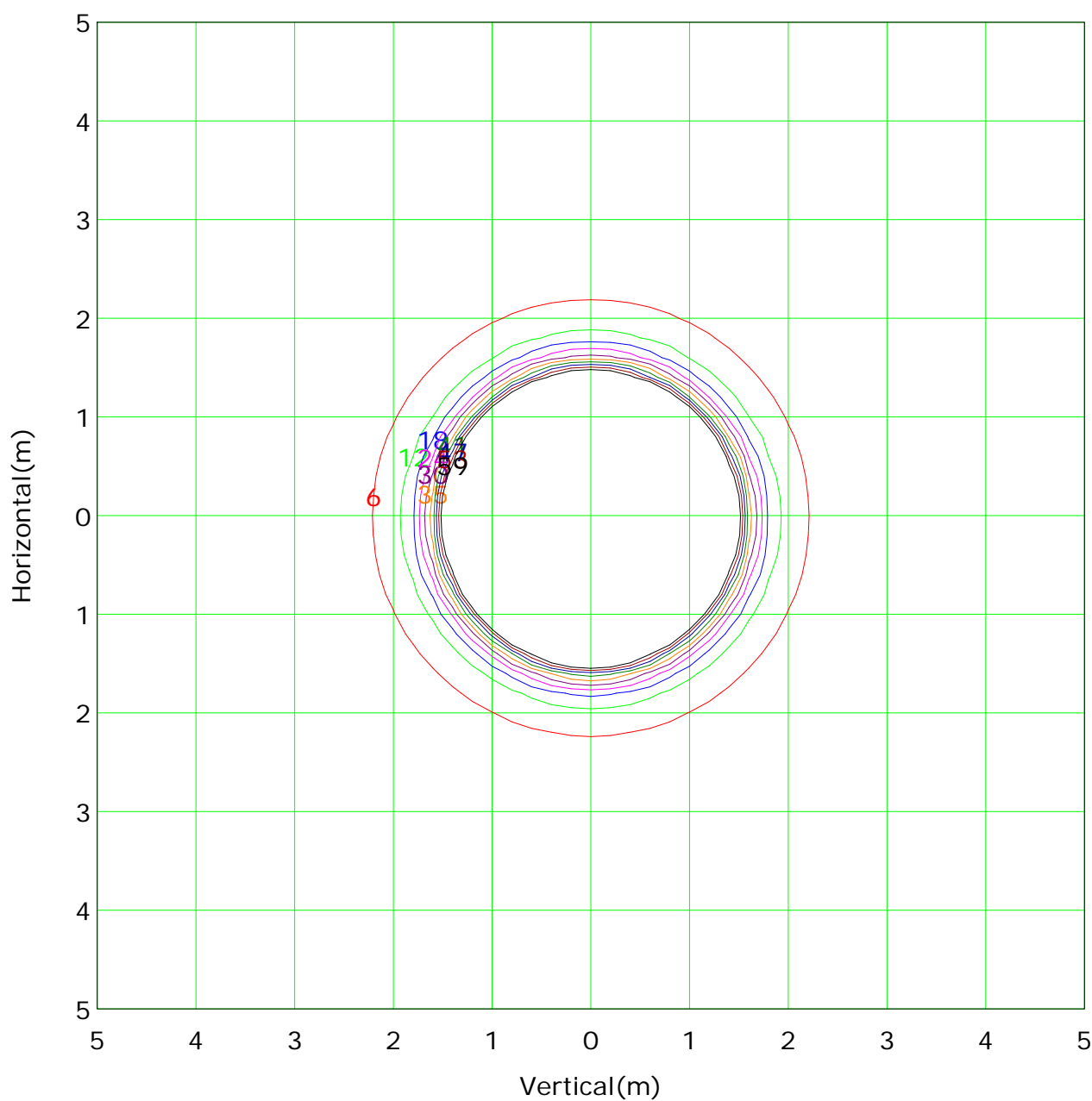
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m Max Lux(100%): 591 lx

( 1%): 6 lx	( 2%): 12 lx
( 3%): 18 lx	( 4%): 24 lx
( 5%): 30 lx	( 6%): 35 lx
( 7%): 41 lx	( 8%): 47 lx
( 9%): 53 lx	(10%): 59 lx

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

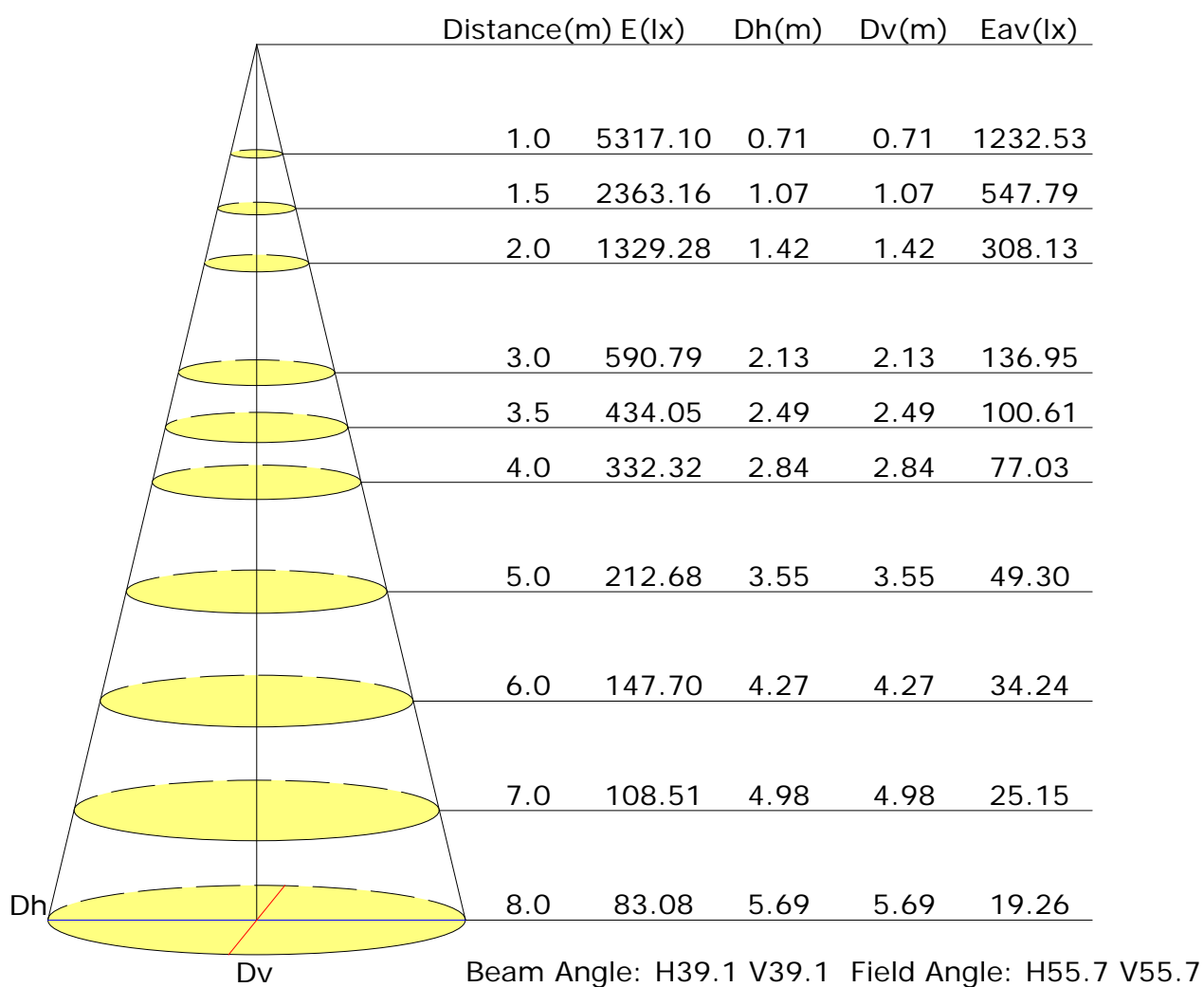
Test Device: CHL-6E

Distance: 3.000 m

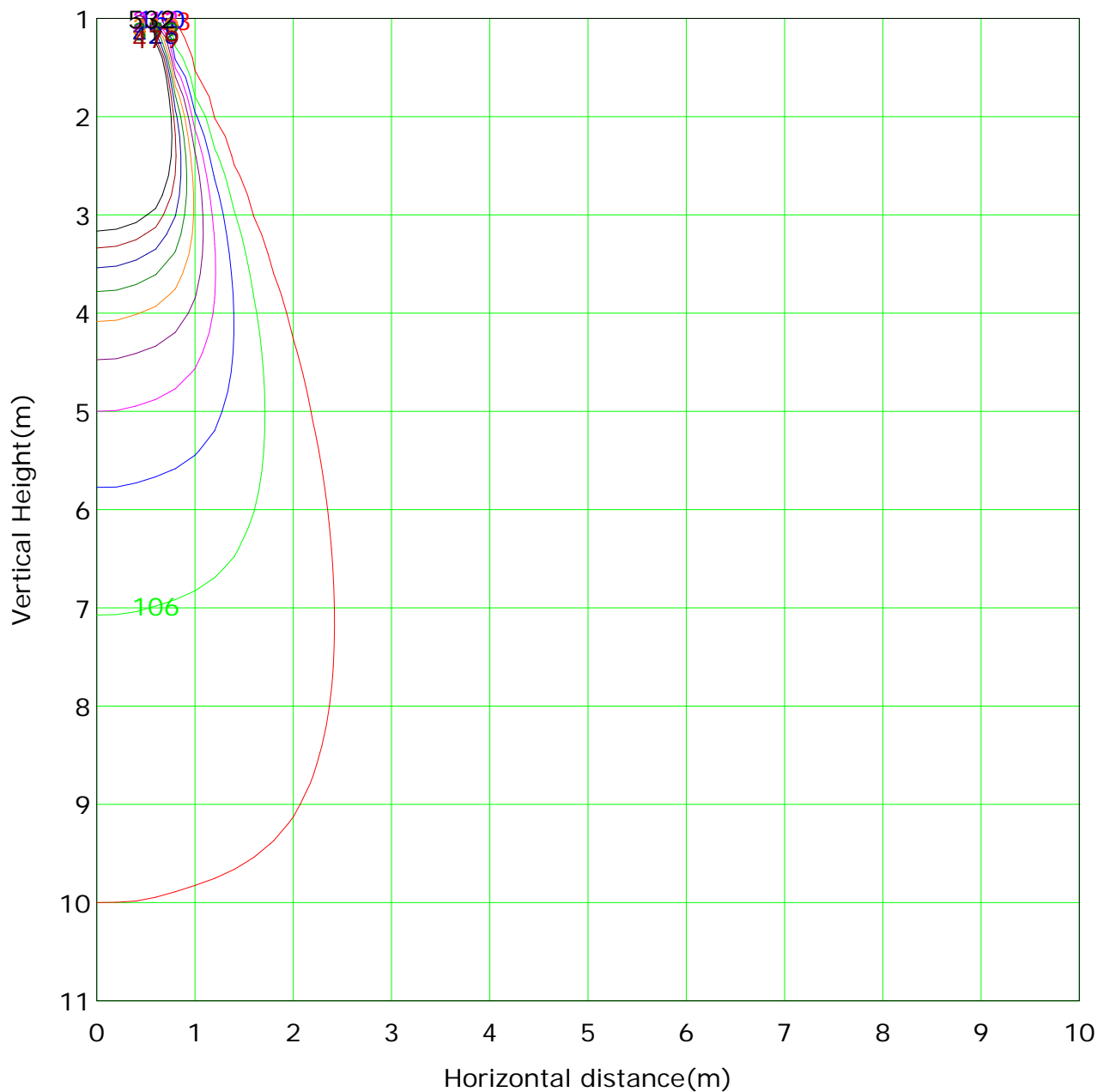
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 5317	
( 1%): 53 lx	( 2%): 106 lx
( 3%): 160 lx	( 4%): 213 lx
( 5%): 266 lx	( 6%): 319 lx
( 7%): 372 lx	( 8%): 425 lx
( 9%): 479 lx	(10%): 532 lx

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

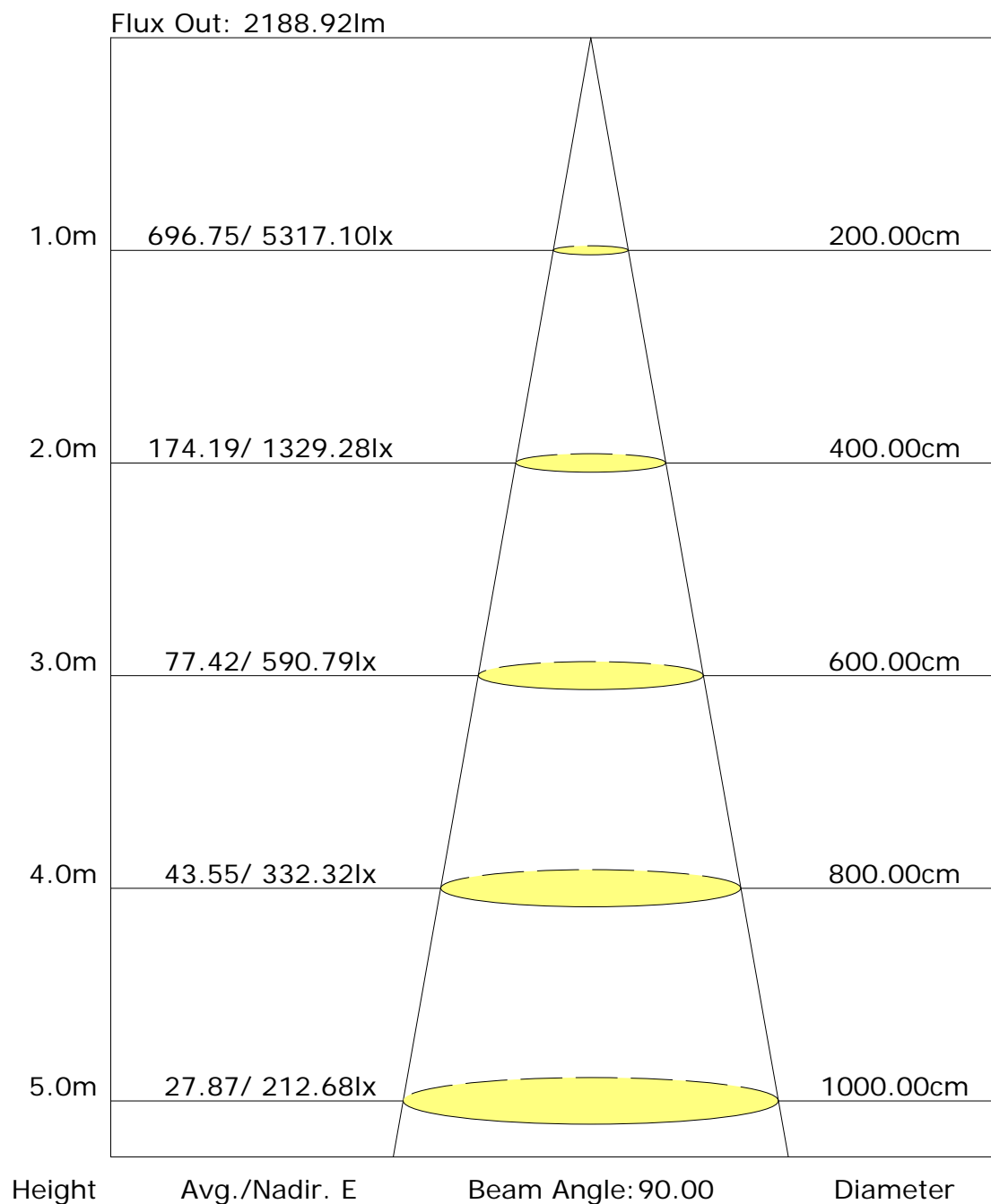
Test Device: CHL-6E

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: 1.0

Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	5317.1	5317.1								
G1.0	5317.1	5308.1								
G2.0	5316.2	5287.3								
G3.0	5293.6	5256.6								
G4.0	5257.5	5224.0								
G5.0	5218.6	5190.6								
G6.0	5177.9	5157.1								
G7.0	5135.5	5124.6								
G8.0	5083.0	5078.5								
G9.0	5019.8	5010.8								
G10.0	4931.2	4925.8								
G11.0	4828.2	4814.7								
G12.0	4701.7	4668.3								
G13.0	4538.1	4478.5								
G14.0	4334.8	4249.9								
G15.0	4102.6	3989.6								
G16.0	3847.8	3705.9								
G17.0	3556.8	3398.6								
G18.0	3246.8	3076.9								
G19.0	2934.2	2741.7								
G20.0	2626.0	2401.0								
G21.0	2317.0	2065.8								
G22.0	2020.6	1743.2								
G23.0	1730.5	1442.2								
G24.0	1459.4	1172.0								
G25.0	1210.0	930.8								
G26.0	980.5	723.8								
G27.0	775.3	556.7								
G28.0	603.6	423.8								
G29.0	461.8	324.4								
G30.0	352.4	250.3								
G31.0	272.9	201.5								
G32.0	213.3	166.3								
G33.0	173.5	142.8								
G34.0	144.6	123.8								
G35.0	124.7	111.2								
G36.0	111.2	101.2								

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:



## Candlepower Table (Continue 1)

Unit: cd

GVC	C0.0	C180.0								
G37.0	99.4	90.4								
G38.0	89.5	83.1								
G39.0	80.4	73.2								
G40.0	74.1	67.8								
G41.0	67.8	60.5								
G42.0	60.5	55.1								
G43.0	56.0	50.6								
G44.0	50.6	45.2								
G45.0	46.1	43.4								
G46.0	43.4	38.0								
G47.0	39.8	36.2								
G48.0	35.2	32.5								
G49.0	34.3	30.7								
G50.0	30.7	28.0								
G51.0	28.9	27.1								
G52.0	26.2	23.5								
G53.0	24.4	21.7								
G54.0	21.7	19.0								
G55.0	20.8	17.2								
G56.0	17.2	14.5								
G57.0	14.5	13.6								
G58.0	13.6	9.9								
G59.0	10.8	7.2								
G60.0	9.0	6.3								
G61.0	6.3	4.5								
G62.0	3.6	2.7								
G63.0	2.7	0.9								
G64.0	1.8	0.0								
G65.0	0.9	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

