

Report No.: 32.08411 ACTION Track Light      Test Time: 2021-08-18 19:21

## Luminaire Property

Luminaire Category: Citizen 1208 3000K CRI90

Lamp Description:

Voltage: 215.4 V

Current: 0.166 A

Power: 35.00 W

Power Factor: 0.974

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3142.6 lm

Measurement Flux: 3142.6 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H46.6,H37.7,H29.4,H4

Vertical Diffuse Angle(25%,50%,75%,100%): V46.6,V37.7,V29.4,V4

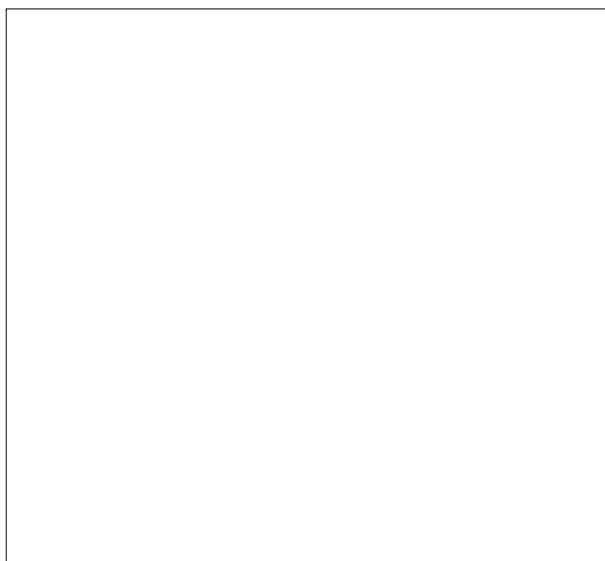
Luminaire Efficacy Rating (LER): 90

Central Intensity: 8078.67 cd

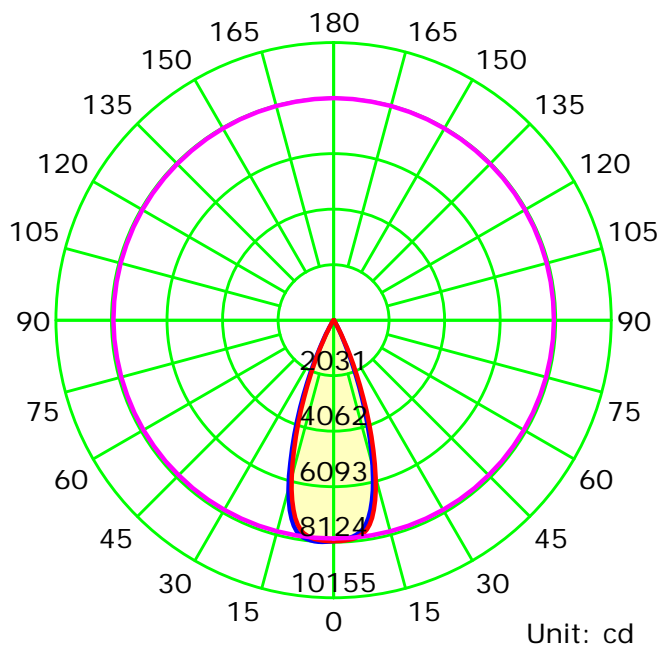
Max. Intensity: 8125.67 cd

Pos of Max. Intensity: H180 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 37.7°

— C0-C180 — C90-C270 — G4

C Plane (°): 0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

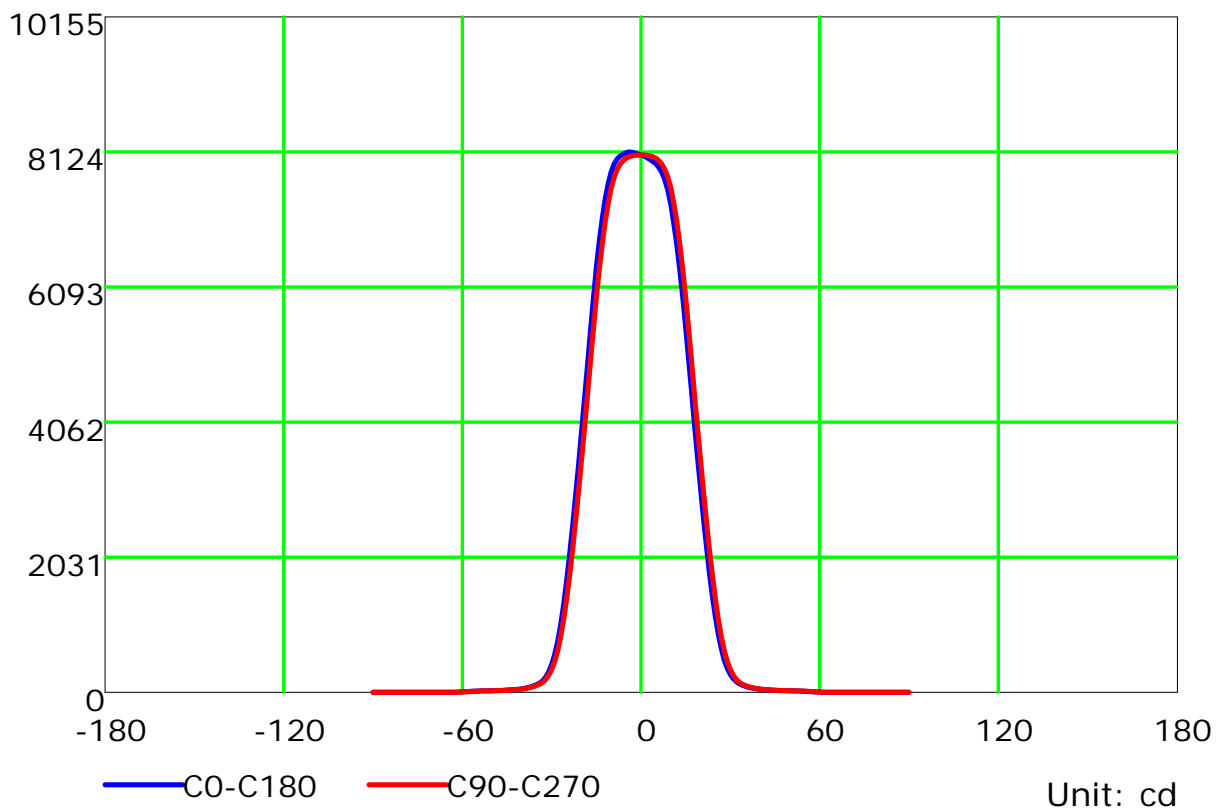
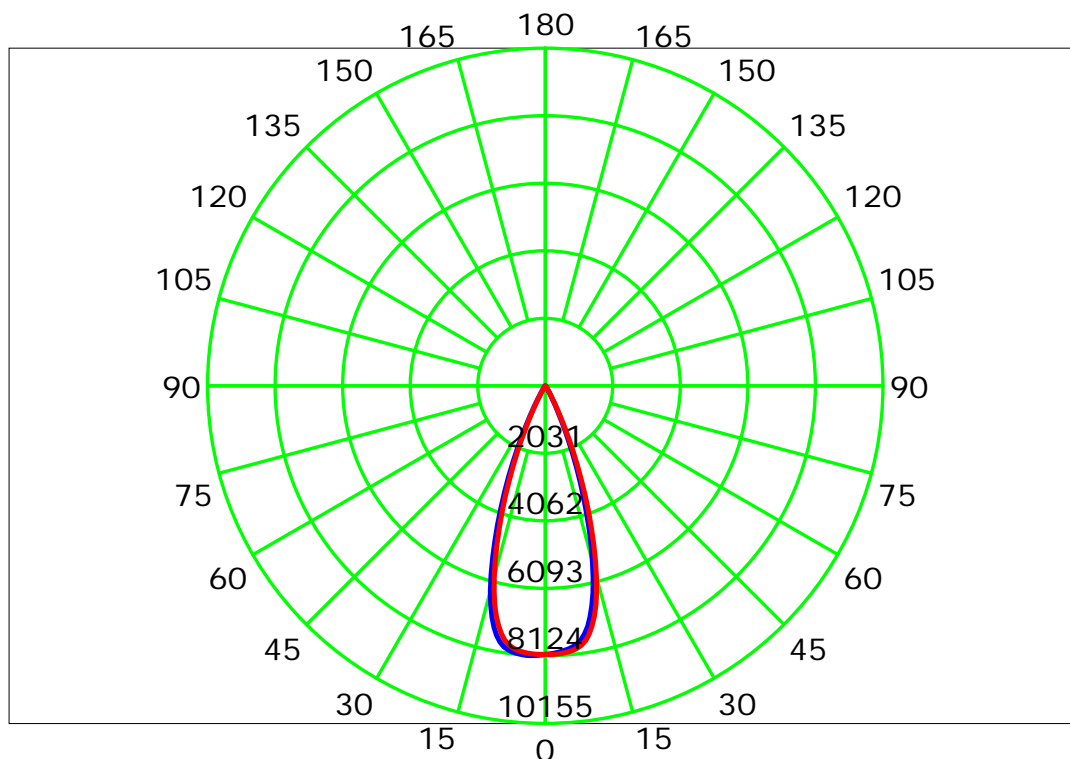
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

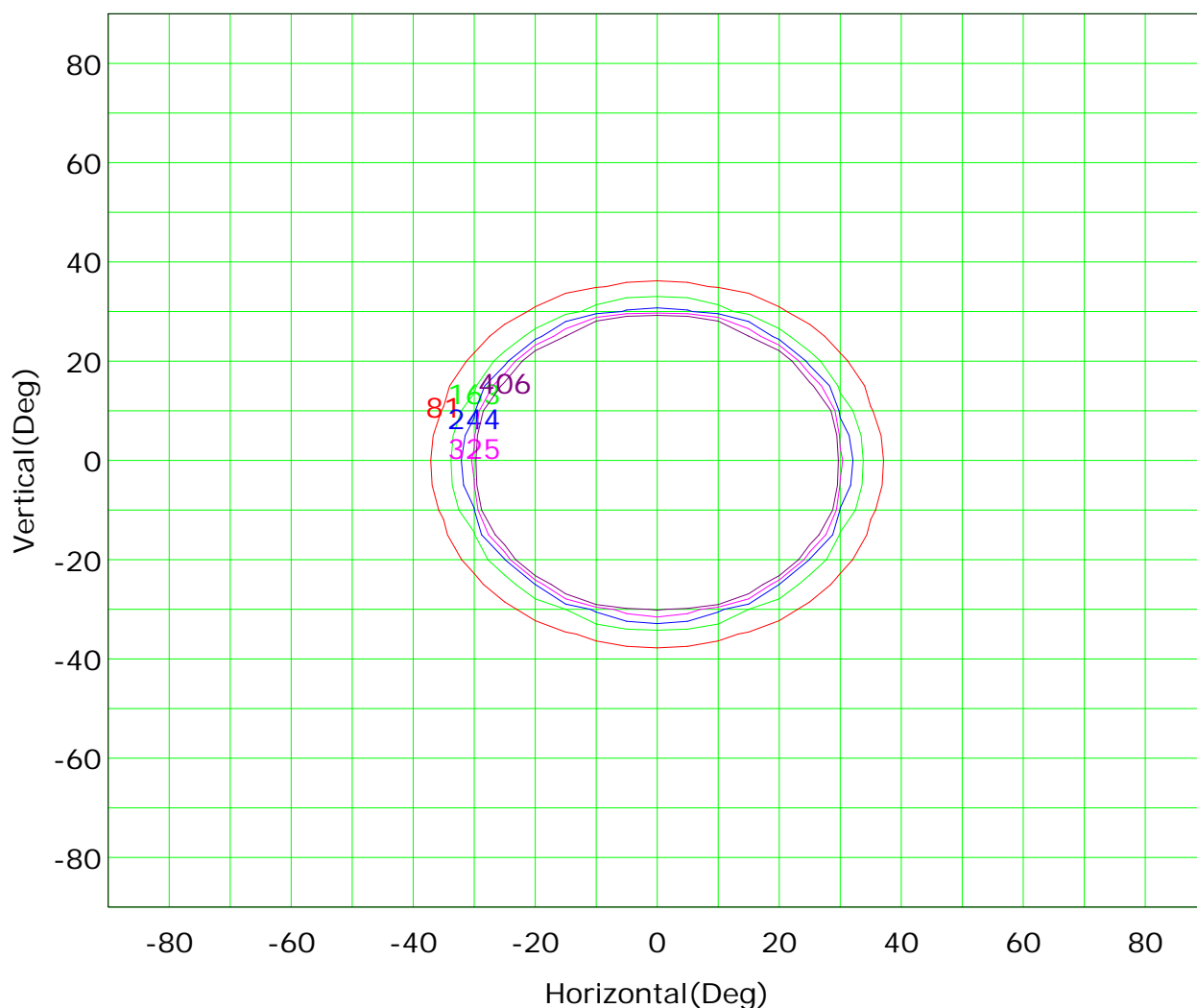
## Luminous Intensity Distribution Curve



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%): 8126 cd

( 1%):	81 cd	( 2%):	163 cd
( 3%):	244 cd	( 4%):	325 cd
( 5%):	406 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

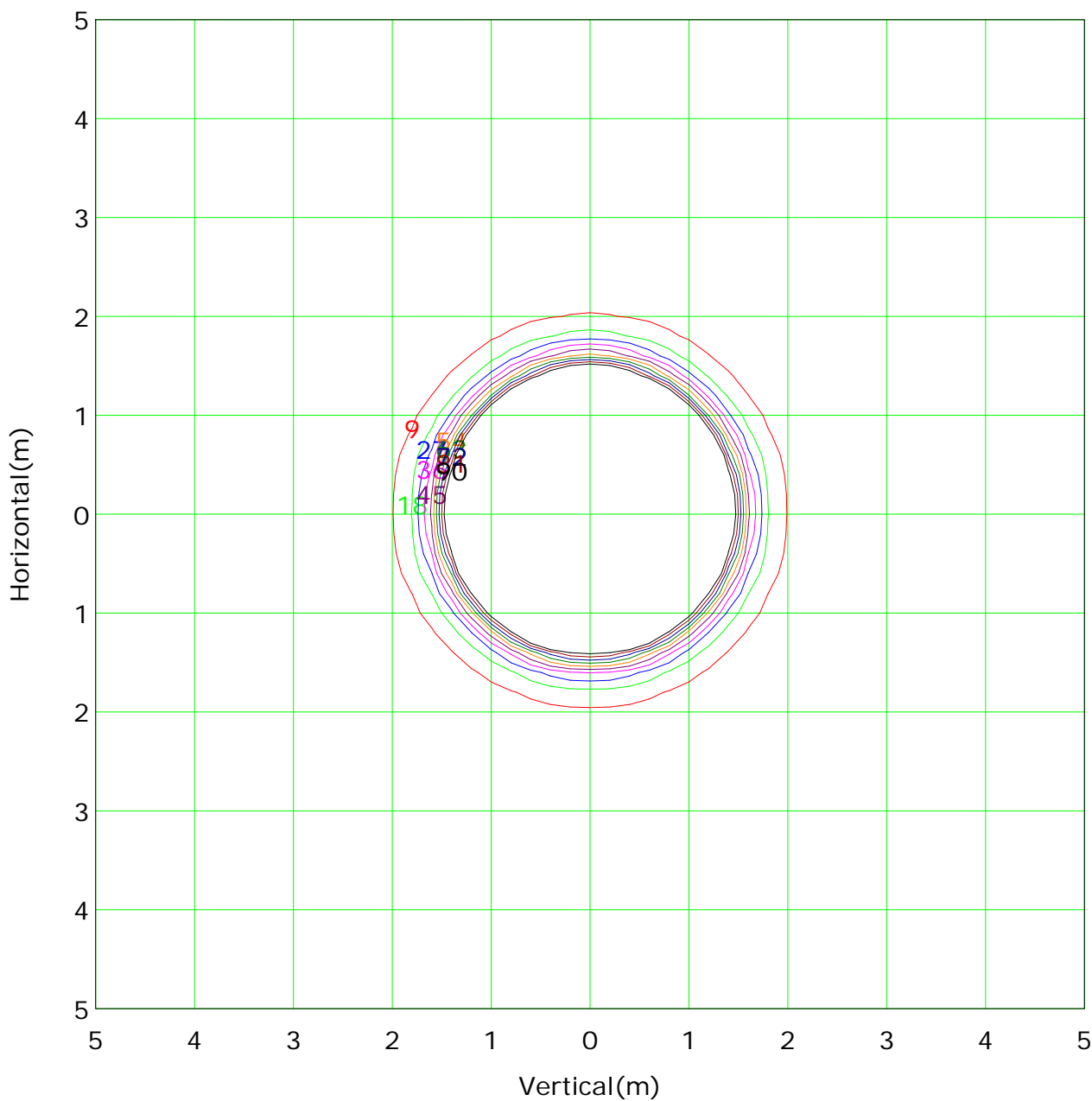
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 900 lx	
— ( 1%):	9 lx	— ( 2%):	18 lx
— ( 3%):	27 lx	— ( 4%):	36 lx
— ( 5%):	45 lx	— ( 6%):	54 lx
— ( 7%):	63 lx	— ( 8%):	72 lx
— ( 9%):	81 lx	— (10%):	90 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

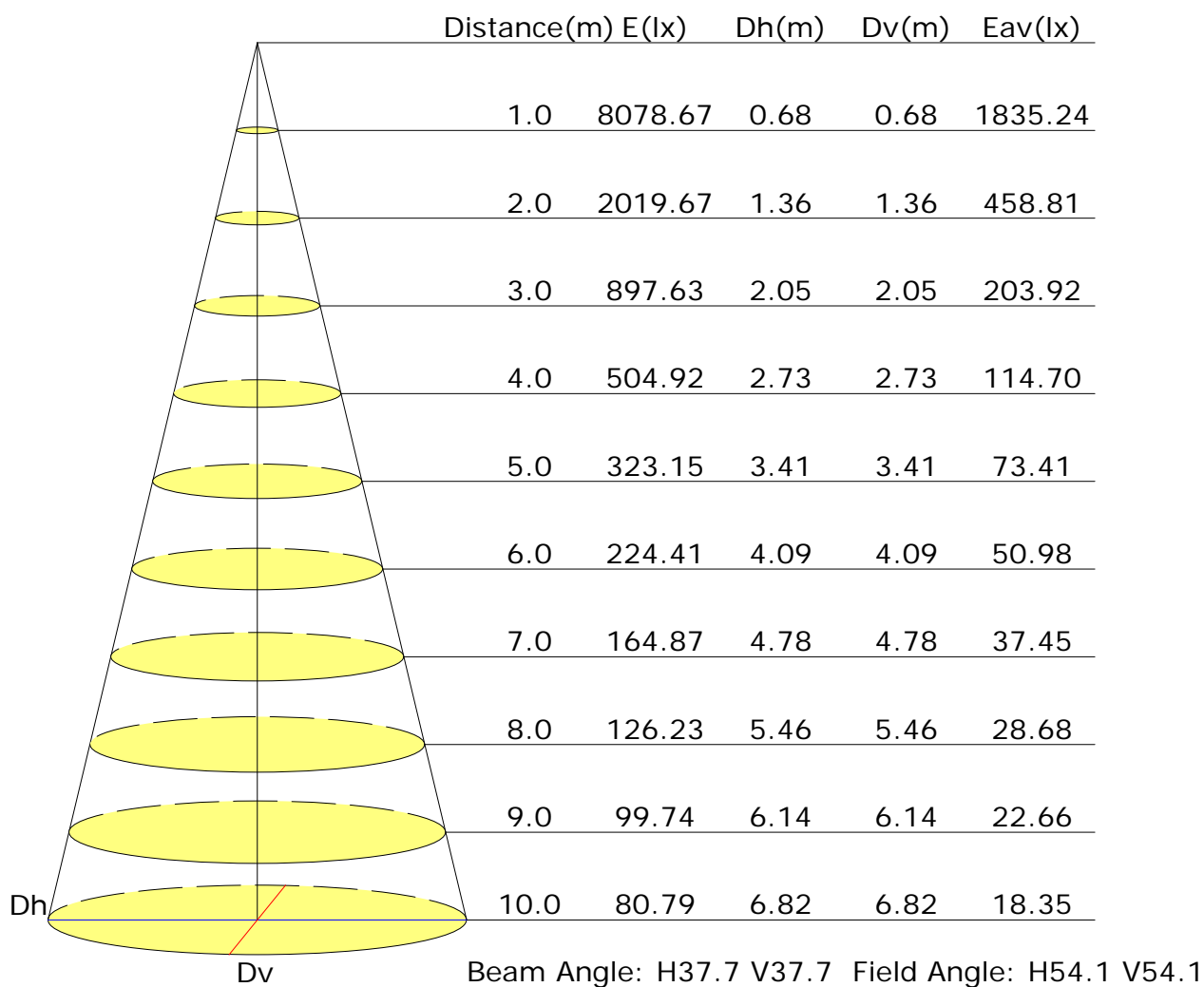
Test Device: CHL-6E

Distance: 3.000 m

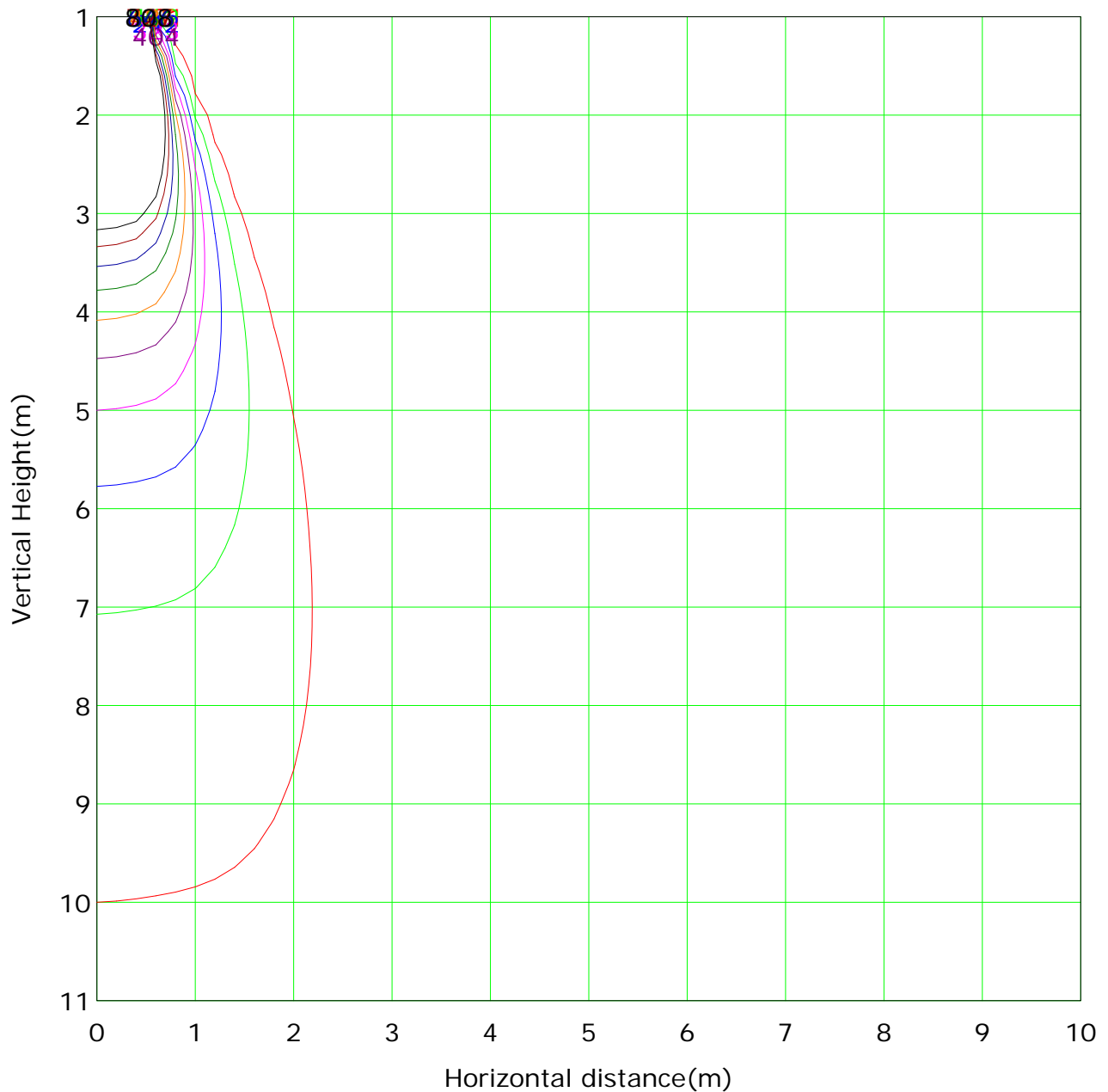
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 8079	
( 1%): 81 lx	( 2%): 162 lx
( 3%): 242 lx	( 4%): 323 lx
( 5%): 404 lx	( 6%): 485 lx
( 7%): 566 lx	( 8%): 646 lx
( 9%): 727 lx	(10%): 808 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

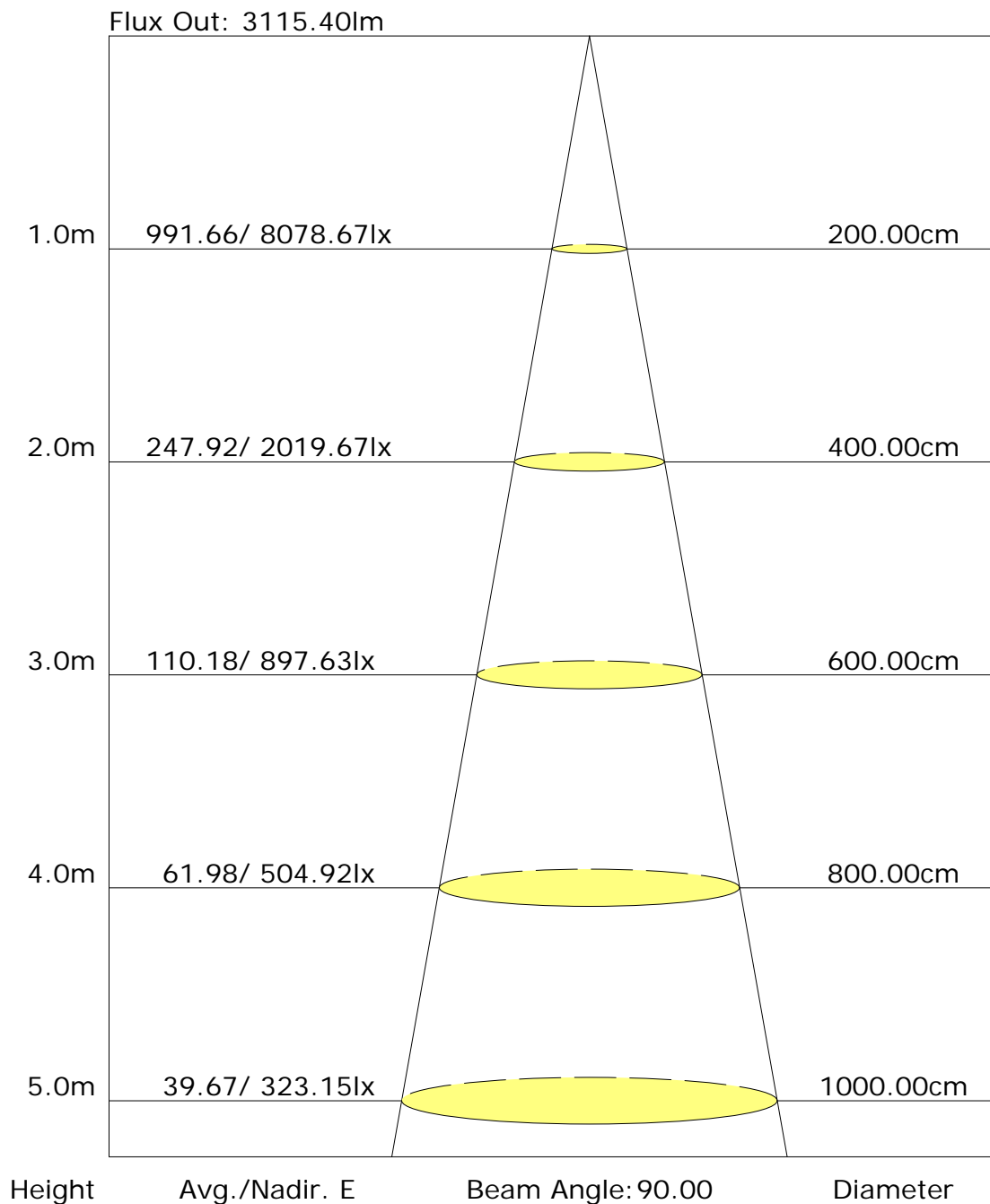
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	8078.7	8078.7								
G1.0	8066.0	8095.8								
G2.0	8043.4	8111.2								
G3.0	8015.4	8123.0								
G4.0	7983.8	8125.7								
G5.0	7950.4	8113.9								
G6.0	7896.1	8095.8								
G7.0	7821.1	8065.1								
G8.0	7714.5	8022.6								
G9.0	7557.3	7950.4								
G10.0	7345.8	7829.3								
G11.0	7070.2	7659.4								
G12.0	6750.3	7429.8								
G13.0	6382.5	7140.7								
G14.0	5962.3	6792.8								
G15.0	5499.6	6385.2								
G16.0	5019.8	5927.1								
G17.0	4529.1	5422.8								
G18.0	4033.0	4918.6								
G19.0	3544.1	4410.7								
G20.0	3075.1	3908.3								
G21.0	2625.1	3416.7								
G22.0	2202.2	2947.7								
G23.0	1806.4	2497.7								
G24.0	1446.8	2067.6								
G25.0	1135.0	1665.4								
G26.0	873.8	1316.6								
G27.0	657.9	1012.1								
G28.0	488.0	766.3								
G29.0	362.4	568.4								
G30.0	270.2	419.3								
G31.0	207.8	308.1								
G32.0	161.8	229.5								
G33.0	130.1	176.2								
G34.0	108.4	141.9								
G35.0	92.2	116.6								
G36.0	78.6	99.4								

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	67.8	84.0								
G38.0	58.7	72.3								
G39.0	51.5	62.3								
G40.0	46.1	53.3								
G41.0	43.4	47.9								
G42.0	39.8	43.4								
G43.0	36.2	39.8								
G44.0	34.3	36.2								
G45.0	30.7	34.3								
G46.0	28.0	30.7								
G47.0	26.2	28.0								
G48.0	27.1	27.1								
G49.0	25.3	27.1								
G50.0	25.3	24.4								
G51.0	23.5	24.4								
G52.0	21.7	23.5								
G53.0	20.8	23.5								
G54.0	17.2	21.7								
G55.0	16.3	19.0								
G56.0	13.6	18.1								
G57.0	10.8	14.5								
G58.0	9.0	13.6								
G59.0	6.3	11.8								
G60.0	4.5	8.1								
G61.0	0.9	6.3								
G62.0	0.0	4.5								
G63.0	0.0	0.9								
G64.0	0.0	0.0								
G65.0	0.0	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:

[illegible]

Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector: