

Report No.:32.06211-Intrack Track Light

Test Time: 2022-04-28 09:09

## Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 215.3 V

Current: 0.120 A

Power: 24.40 W

Power Factor: 0.942

## Photometric Results

CIE Class: Direct

Measurement Flux: 2055.1 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2055.1 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H26.2,H19.1,H13.5,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V26.2,V19.1,V13.5,V0

Luminaire Efficacy Rating (LER): 84

Central Intensity: 12147.82 cd

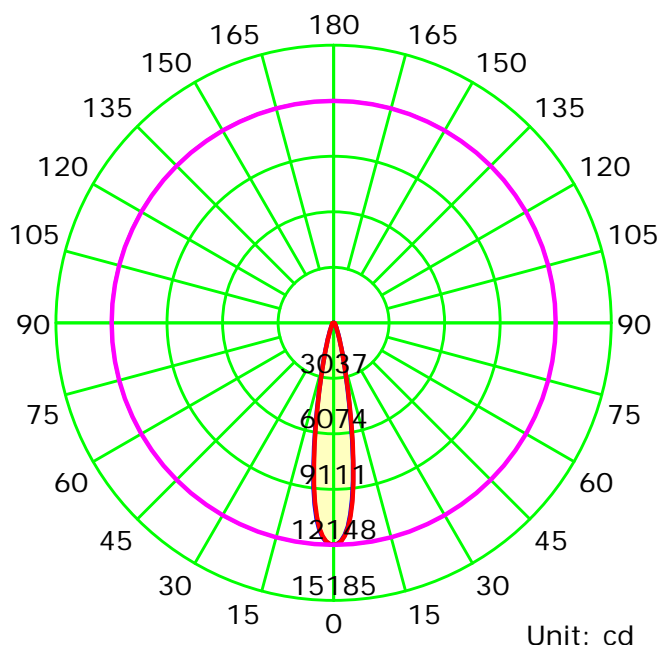
Max. Intensity: 12147.83 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 19.1°

— 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

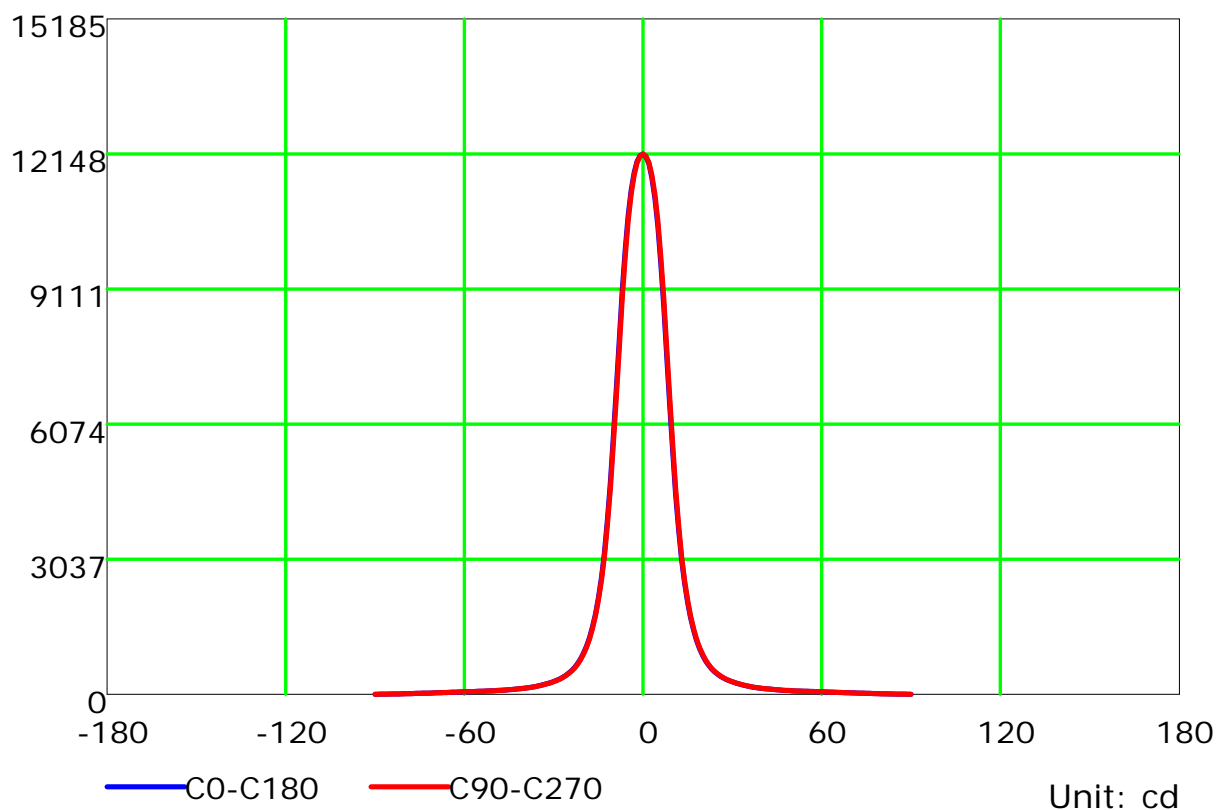
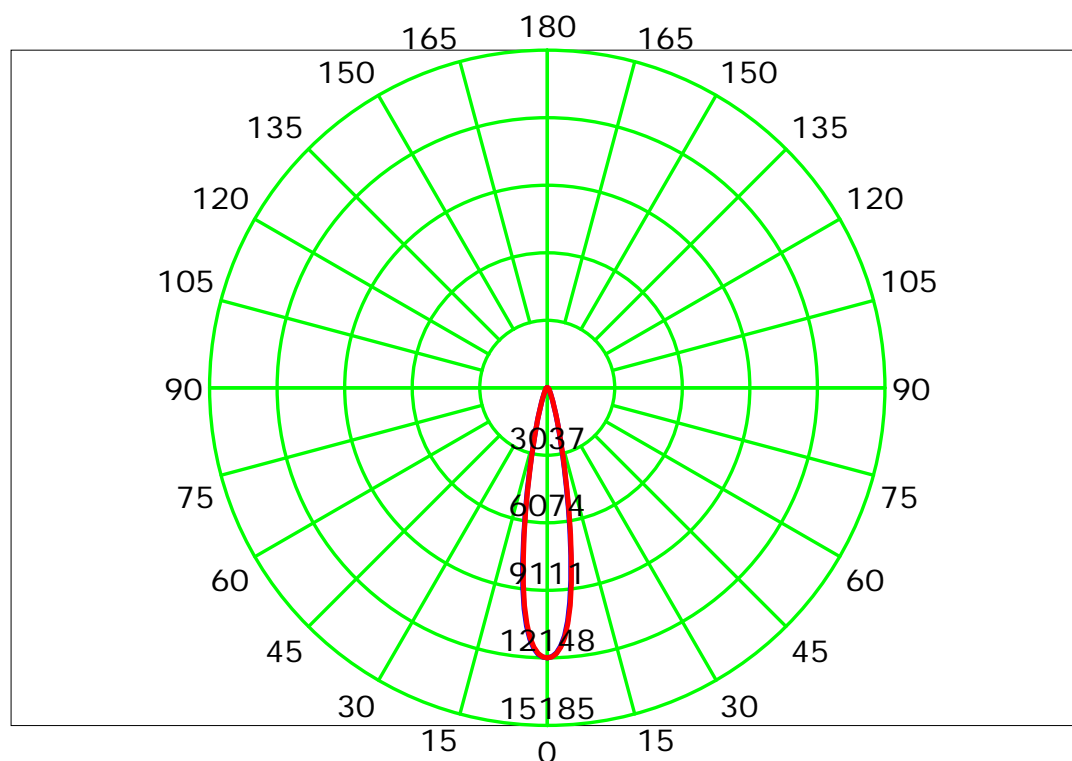
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0

Test Lab:

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Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

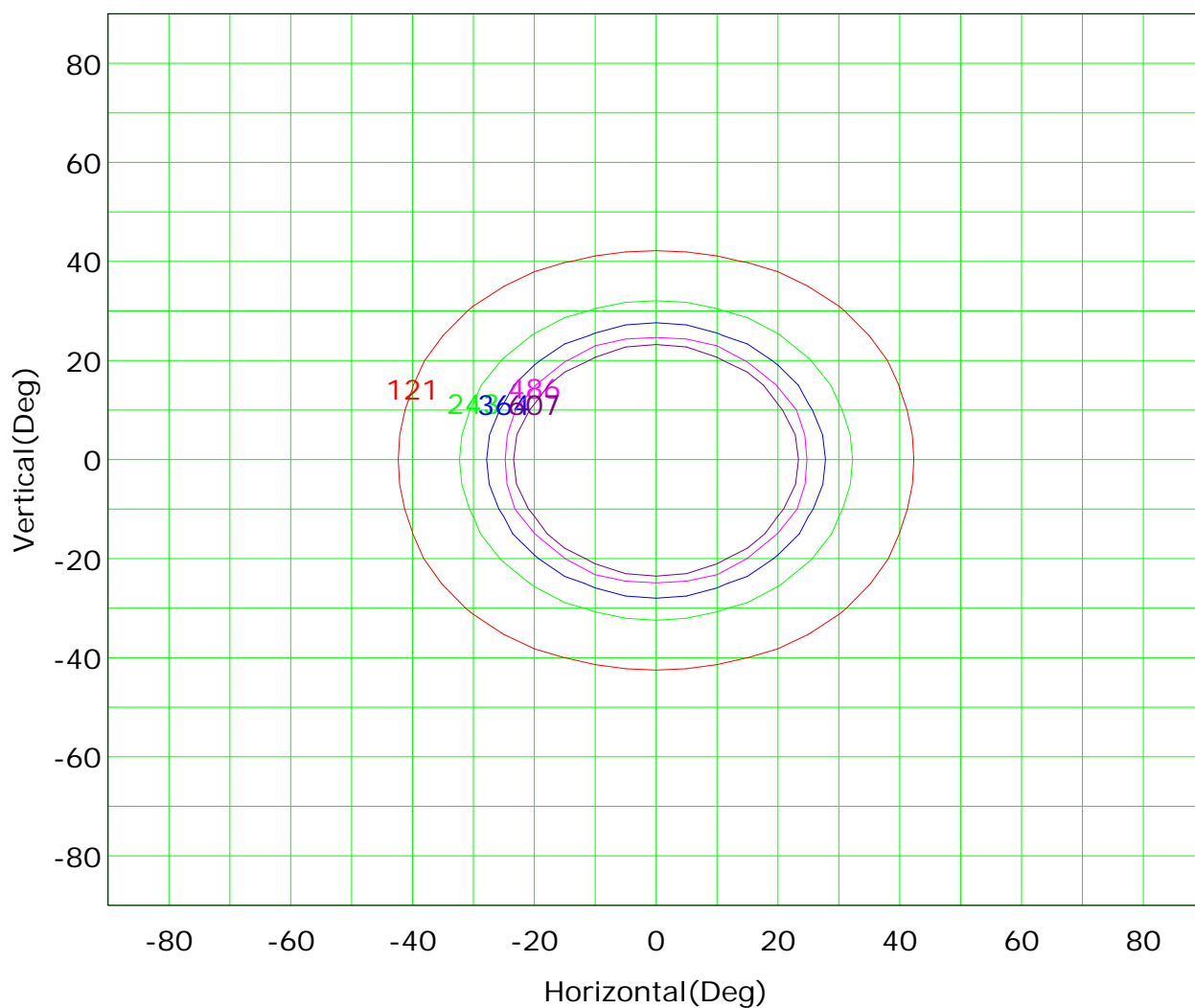
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 12148 cd

( 1%): 121 cd  
( 3%): 364 cd  
( 5%): 607 cd

( 2%): 243 cd  
( 4%): 486 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

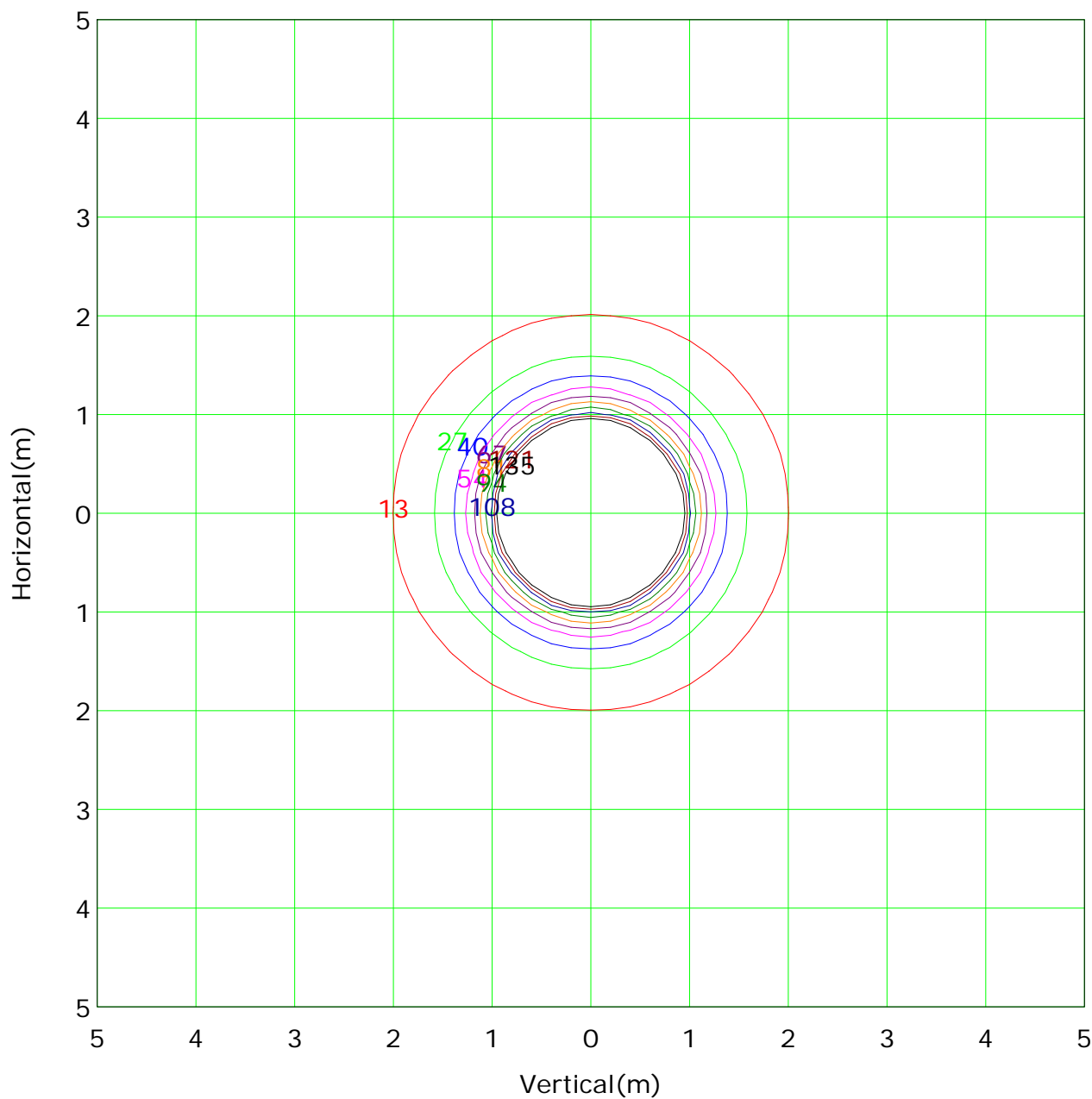
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 1350 lx	
— ( 1%):	13 lx	— ( 2%):	27 lx
— ( 3%):	40 lx	— ( 4%):	54 lx
— ( 5%):	67 lx	— ( 6%):	81 lx
— ( 7%):	94 lx	— ( 8%):	108 lx
— ( 9%):	121 lx	— (10%):	135 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

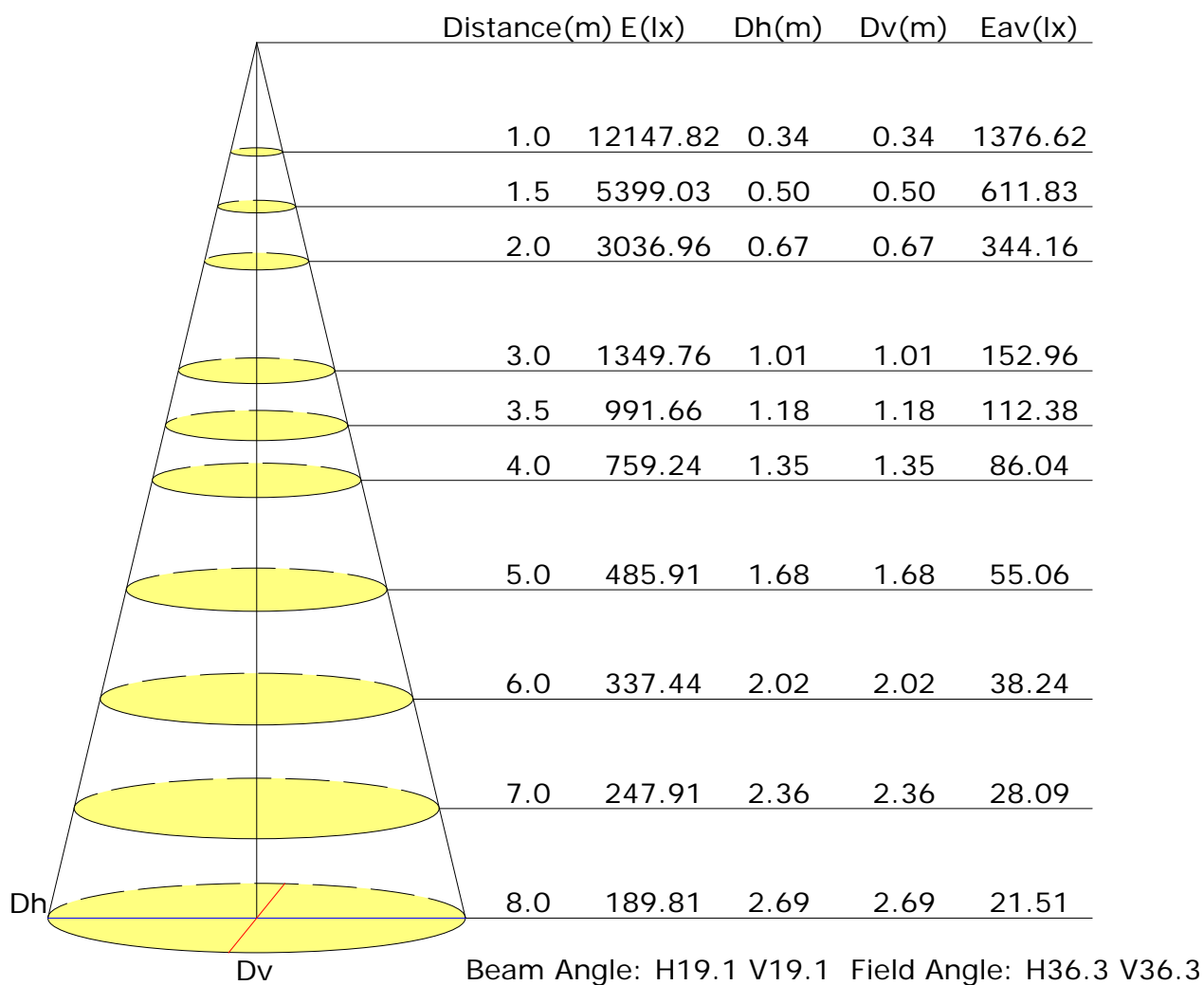
Test Device: CHL-6E

Distance: 3.000 m

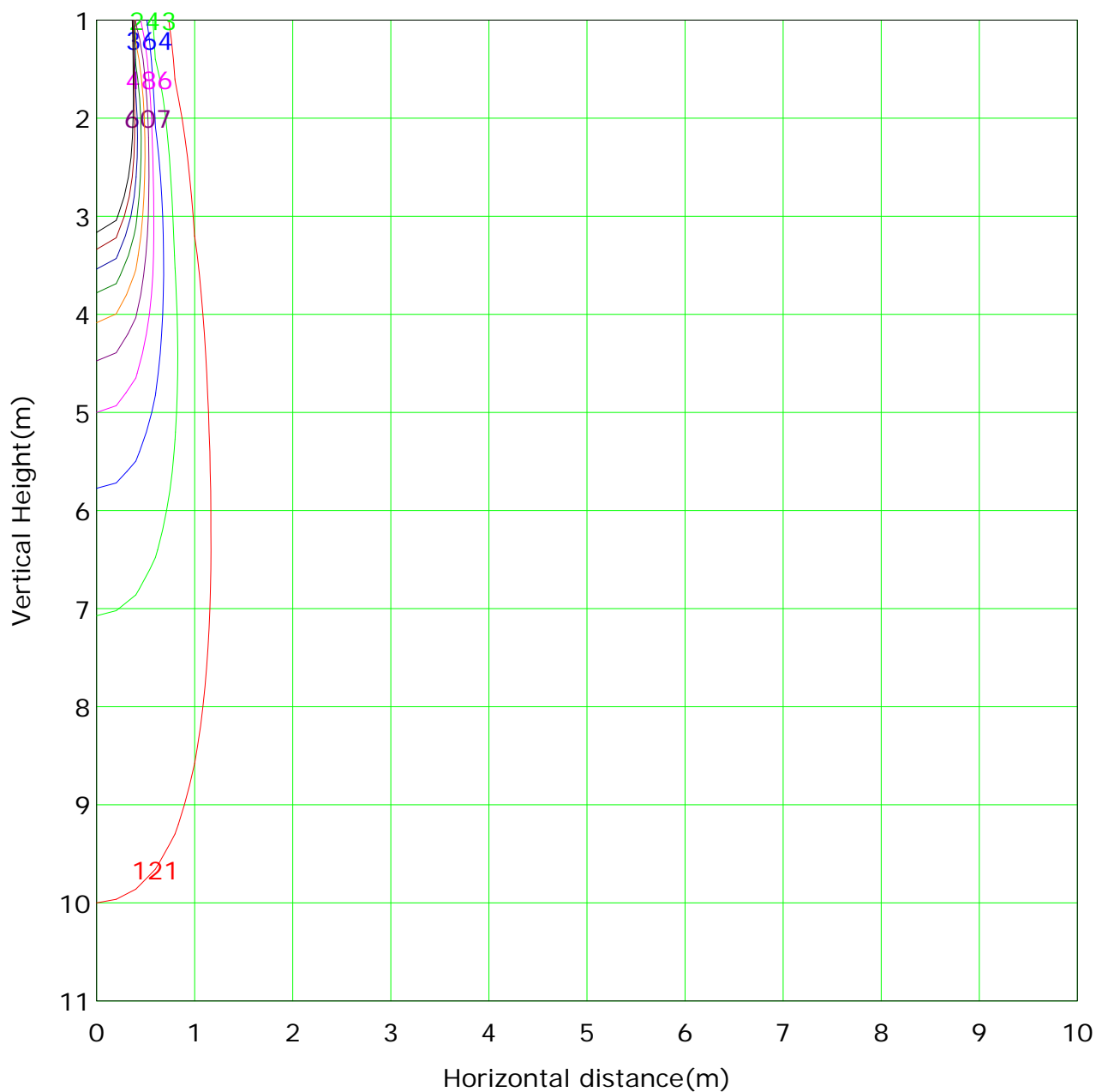
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 12148	
( 1%): 121 lx	( 2%): 243 lx
( 3%): 364 lx	( 4%): 486 lx
( 5%): 607 lx	( 6%): 729 lx
( 7%): 850 lx	( 8%): 972 lx
( 9%): 1093 lx	(10%): 1215 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

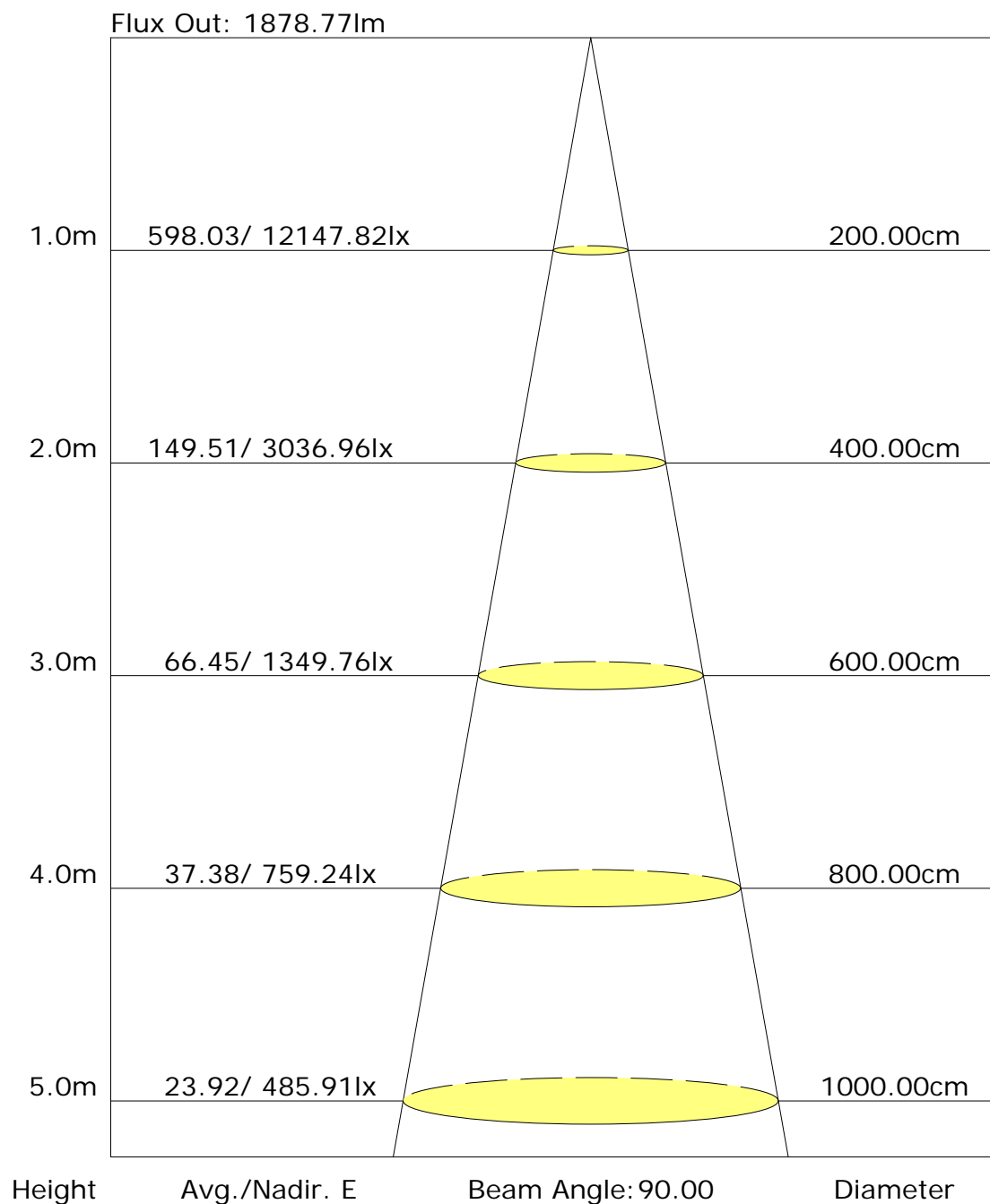
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



## Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	12147.8	12147.8								
G1.0	12090.0	12113.5								
G2.0	11927.3	11984.3								
G3.0	11620.1	11733.0								
G4.0	11168.3	11331.8								
G5.0	10523.0	10754.4								
G6.0	9700.7	9996.2								
G7.0	8713.9	9063.7								
G8.0	7617.8	7974.8								
G9.0	6496.4	6845.2								
G10.0	5441.8	5750.9								
G11.0	4484.8	4754.1								
G12.0	3686.9	3895.6								
G13.0	3030.9	3179.1								
G14.0	2497.7	2611.6								
G15.0	2068.5	2162.4								
G16.0	1726.9	1801.0								
G17.0	1444.0	1511.8								
G18.0	1217.2	1274.2								
G19.0	1032.0	1082.6								
G20.0	881.1	925.3								
G21.0	759.1	797.9								
G22.0	658.8	694.0								
G23.0	576.5	607.3								
G24.0	510.6	535.9								
G25.0	454.5	477.1								
G26.0	408.5	426.5								
G27.0	368.7	383.1								
G28.0	336.2	347.0								
G29.0	306.3	317.2								
G30.0	281.9	290.1								
G31.0	259.4	264.8								
G32.0	239.5	244.9								
G33.0	220.5	226.8								
G34.0	204.2	208.7								
G35.0	188.0	194.3								
G36.0	173.5	179.8								

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	159.0	167.2								
G38.0	151.8	155.4								
G39.0	142.8	145.5								
G40.0	134.6	138.3								
G41.0	127.4	130.1								
G42.0	121.1	123.8								
G43.0	115.7	116.6								
G44.0	109.3	111.2								
G45.0	103.9	104.8								
G46.0	99.4	99.4								
G47.0	93.1	94.0								
G48.0	88.6	90.4								
G49.0	86.8	87.7								
G50.0	81.3	82.2								
G51.0	78.6	79.5								
G52.0	75.0	76.8								
G53.0	73.2	74.1								
G54.0	70.5	71.4								
G55.0	69.6	68.7								
G56.0	66.0	66.0								
G57.0	65.1	64.2								
G58.0	64.2	62.3								
G59.0	60.5	58.7								
G60.0	59.6	57.8								
G61.0	56.9	54.2								
G62.0	53.3	51.5								
G63.0	50.6	48.8								
G64.0	48.8	47.9								
G65.0	45.2	44.3								
G66.0	44.3	41.6								
G67.0	41.6	39.8								
G68.0	38.0	36.2								
G69.0	36.2	36.2								
G70.0	33.4	32.5								
G71.0	32.5	30.7								
G72.0	28.9	28.0								
G73.0	28.0	26.2								

C Plane (°): 0.0-180.0: 180.0

Test Lab:

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Test Device: CHL-6E

Distance: 3.000 m

Humidity:

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