

Report No.:32.08411 ACTION Track Light

Test Time: 2021-08-18 19:14

Luminaire Property

Luminaire Category: Citizen 1208 3000K CRI90

Lamp Description:

Voltage: 213.9 V

Current: 0.168 A

Power: 35.10 W

Power Factor: 0.976

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3076.6 lm

Measurement Flux: 3076.6 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H30.4,H23.2,H16.3,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V30.4,V23.2,V16.3,V1

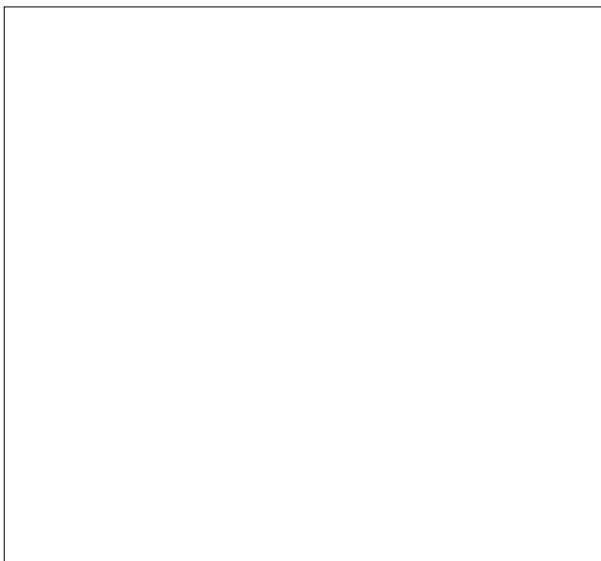
Luminaire Efficacy Rating (LER): 88

Central Intensity: 18114.65 cd

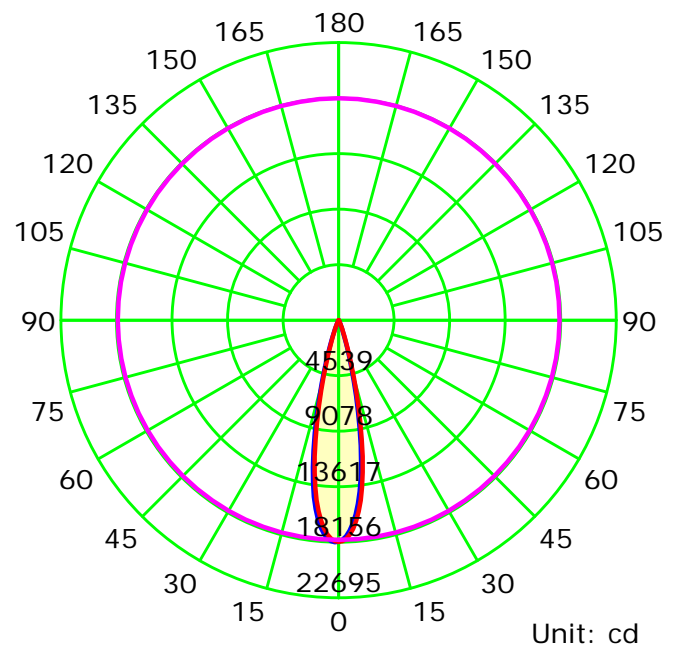
Max. Intensity: 18154.42 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 23.2°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

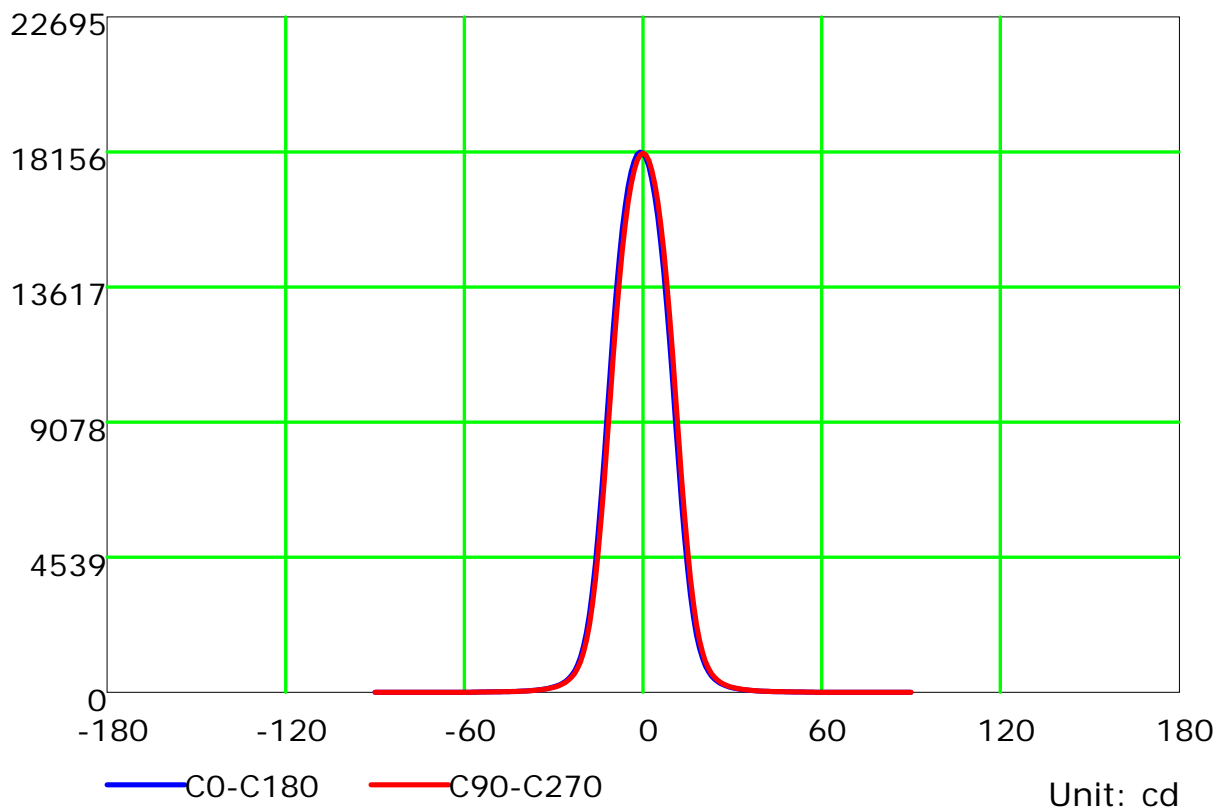
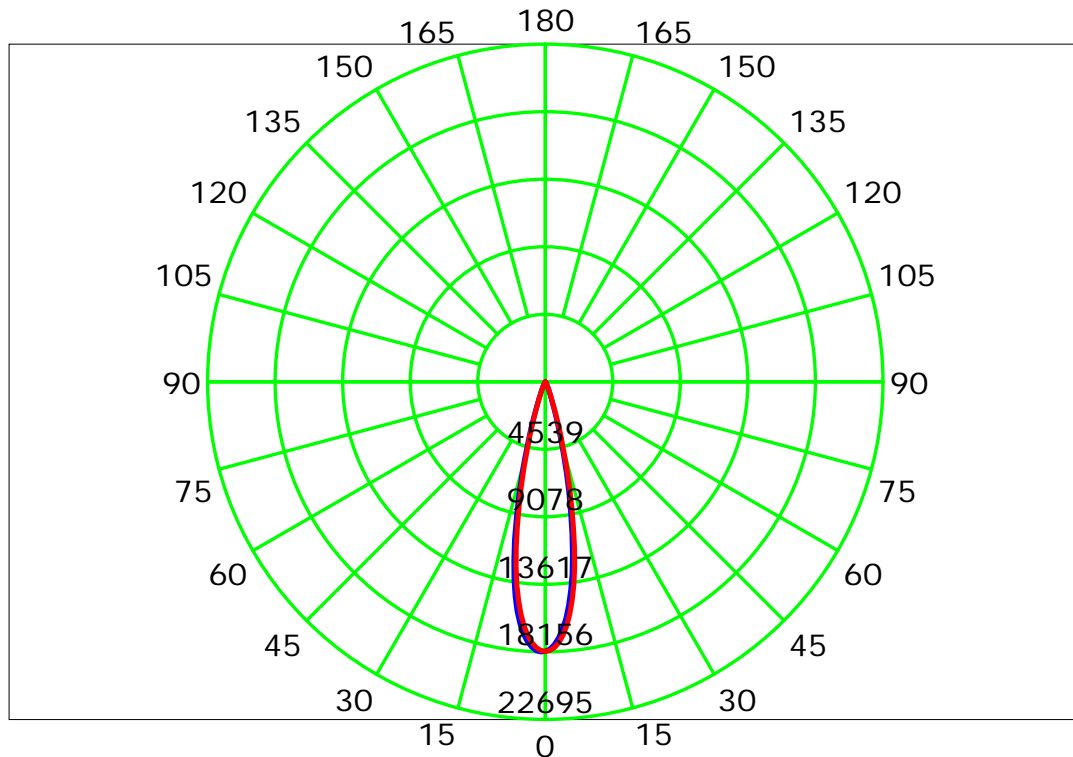
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

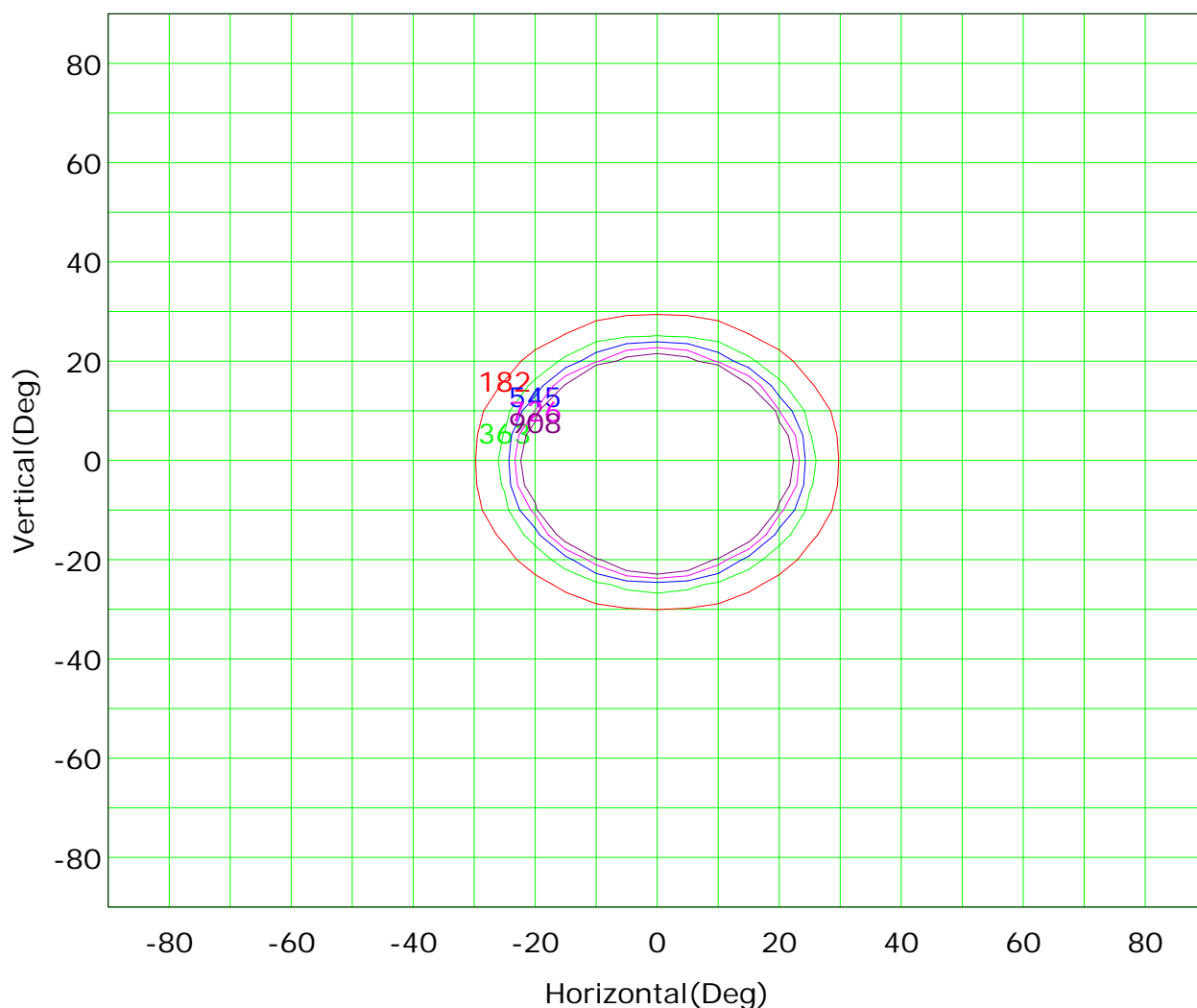
Luminous Intensity Distribution Curve



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)



Imax (100%): 18154 cd

(1%): 182 cd	(2%): 363 cd
(3%): 545 cd	(4%): 726 cd
(5%): 908 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

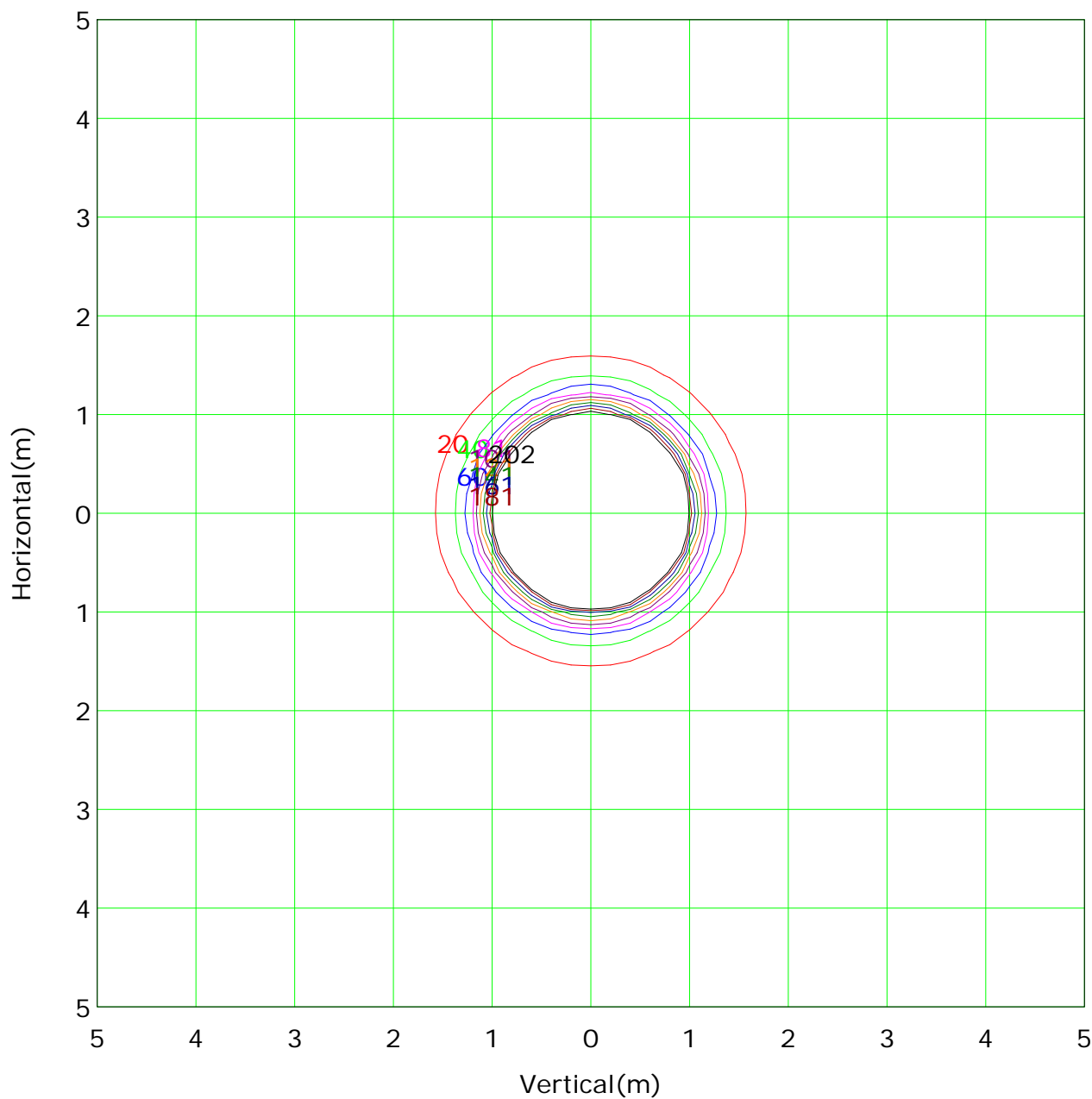
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 2016 lx	
— (1%):	20 lx	— (2%):	40 lx
— (3%):	60 lx	— (4%):	81 lx
— (5%):	101 lx	— (6%):	121 lx
— (7%):	141 lx	— (8%):	161 lx
— (9%):	181 lx	— (10%):	202 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

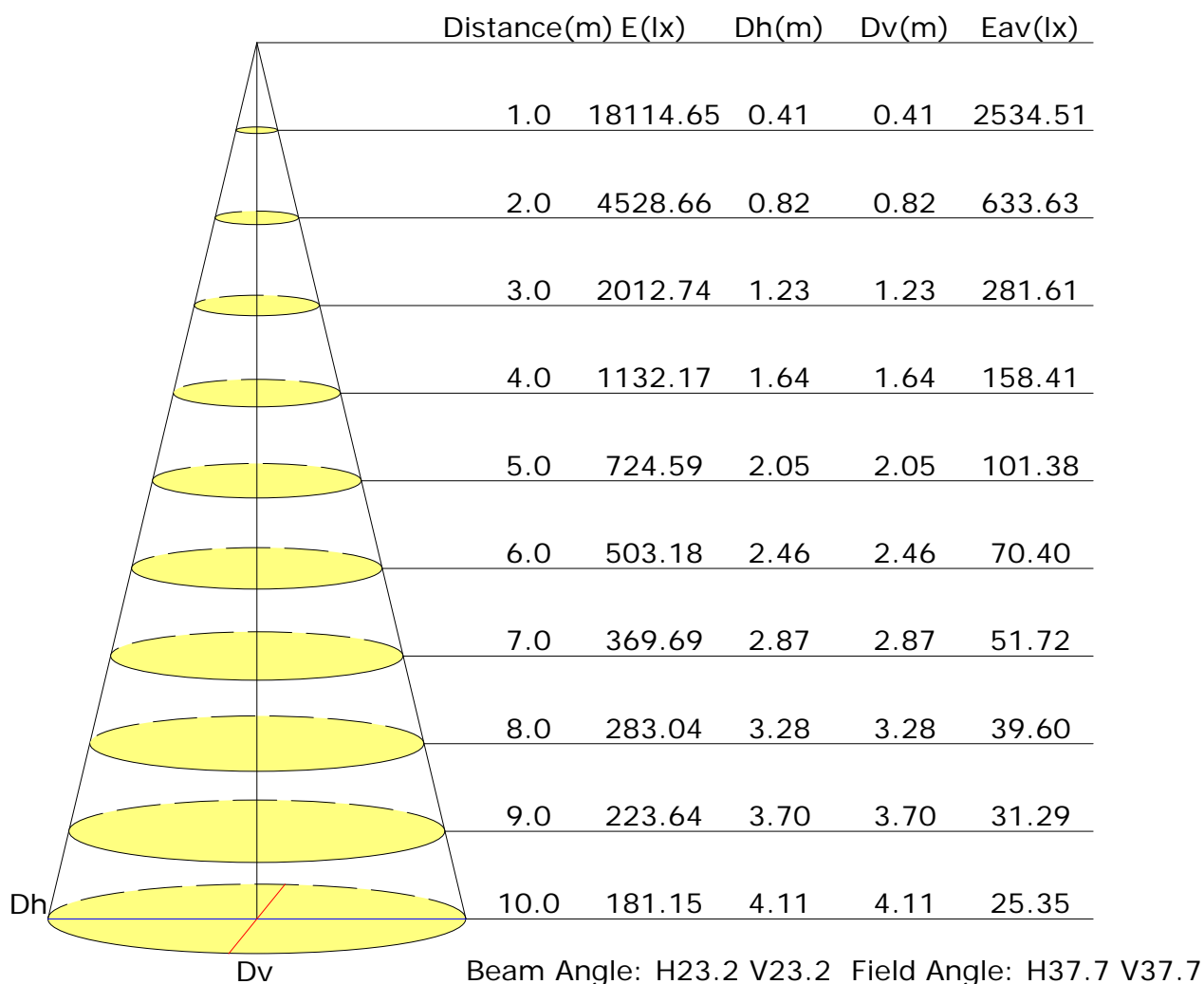
Test Device: CHL-6E

Distance: 3.000 m

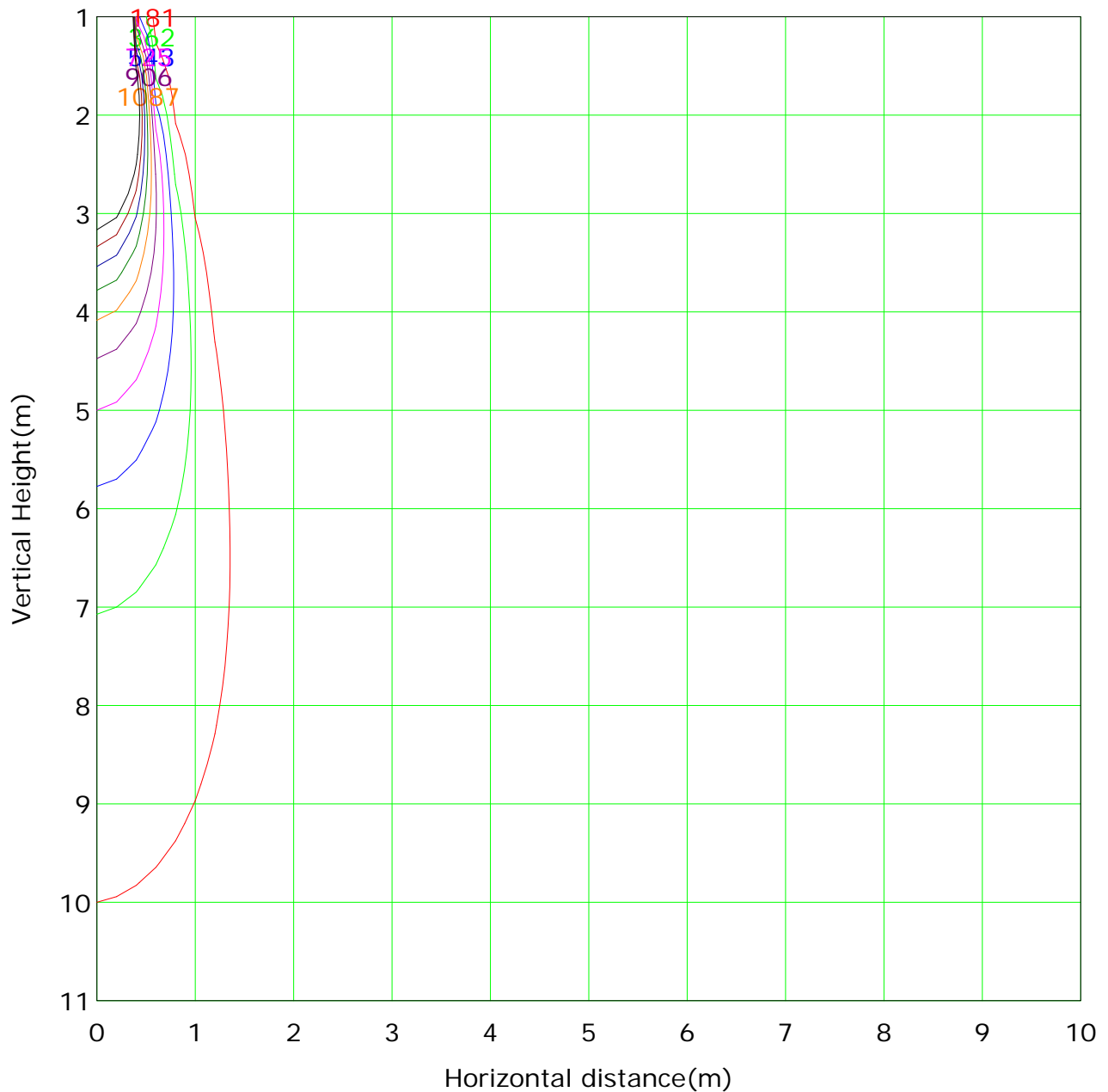
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 18115	
(1%): 181 lx	(2%): 362 lx
(3%): 543 lx	(4%): 725 lx
(5%): 906 lx	(6%): 1087 lx
(7%): 1268 lx	(8%): 1449 lx
(9%): 1630 lx	(10%): 1811 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

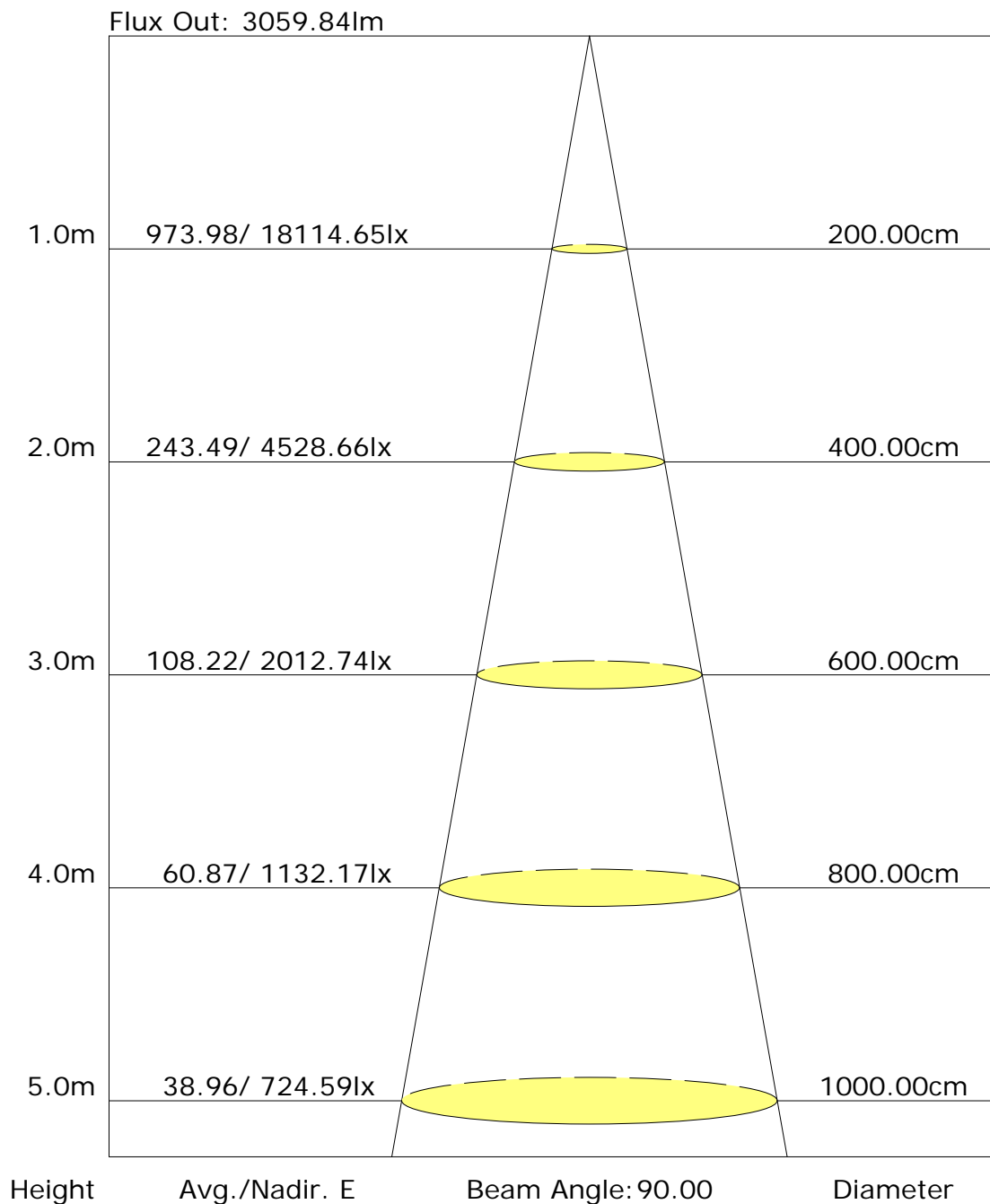
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	18114.7	18114.7								
G1.0	17957.4	18154.4								
G2.0	17665.5	18072.2								
G3.0	17236.3	17846.3								
G4.0	16663.4	17488.4								
G5.0	15951.3	16989.6								
G6.0	15101.9	16345.3								
G7.0	14116.9	15537.4								
G8.0	13003.6	14573.2								
G9.0	11744.8	13454.5								
G10.0	10403.8	12199.3								
G11.0	9018.5	10823.1								
G12.0	7659.4	9404.3								
G13.0	6367.1	7985.6								
G14.0	5180.6	6650.0								
G15.0	4137.8	5418.3								
G16.0	3251.4	4331.2								
G17.0	2510.4	3402.3								
G18.0	1929.3	2636.9								
G19.0	1486.5	2011.5								
G20.0	1145.8	1538.9								
G21.0	889.2	1184.7								
G22.0	700.3	918.1								
G23.0	557.5	719.3								
G24.0	450.9	571.1								
G25.0	369.6	460.9								
G26.0	306.3	375.9								
G27.0	255.7	310.9								
G28.0	216.9	257.5								
G29.0	181.6	216.0								
G30.0	155.4	183.4								
G31.0	134.6	157.2								
G32.0	116.6	132.8								
G33.0	100.3	115.7								
G34.0	88.6	101.2								
G35.0	76.8	86.8								
G36.0	67.8	75.0								

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:

Candlepower Table (Continue 1)

Unit: cd

GVC	C0.0	C180.0								
G37.0	60.5	66.0								
G38.0	52.4	58.7								
G39.0	45.2	51.5								
G40.0	41.6	44.3								
G41.0	37.0	39.8								
G42.0	32.5	35.2								
G43.0	28.9	30.7								
G44.0	26.2	28.0								
G45.0	23.5	25.3								
G46.0	21.7	23.5								
G47.0	21.7	21.7								
G48.0	19.0	20.8								
G49.0	17.2	19.0								
G50.0	15.4	17.2								
G51.0	15.4	16.3								
G52.0	14.5	16.3								
G53.0	13.6	14.5								
G54.0	10.8	13.6								
G55.0	9.0	11.8								
G56.0	7.2	8.1								
G57.0	6.3	7.2								
G58.0	2.7	4.5								
G59.0	0.9	2.7								
G60.0	0.0	0.9								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
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:



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