

Report No.:32.06211-Intrack Track Light

Test Time: 2022-04-28 09:03

## Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 208.9 V

Current: 0.124 A

Power: 24.60 W

Power Factor: 0.945

## Photometric Results

CIE Class: Direct

Measurement Flux: 2211.2 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2211.2 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H47.8,H38.3,H29.3,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V47.8,V38.3,V29.3,V1

Luminaire Efficacy Rating (LER): 90

Central Intensity: 5055.95 cd

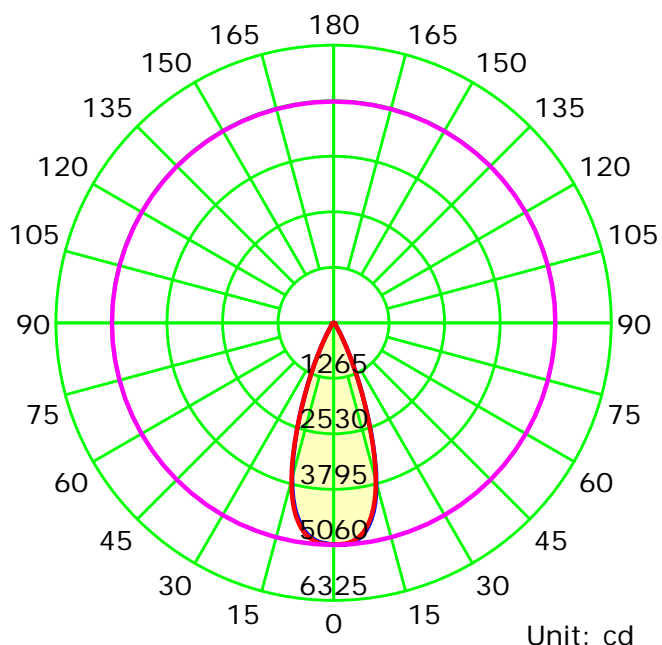
Max. Intensity: 5060.46 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 38.3°

— 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

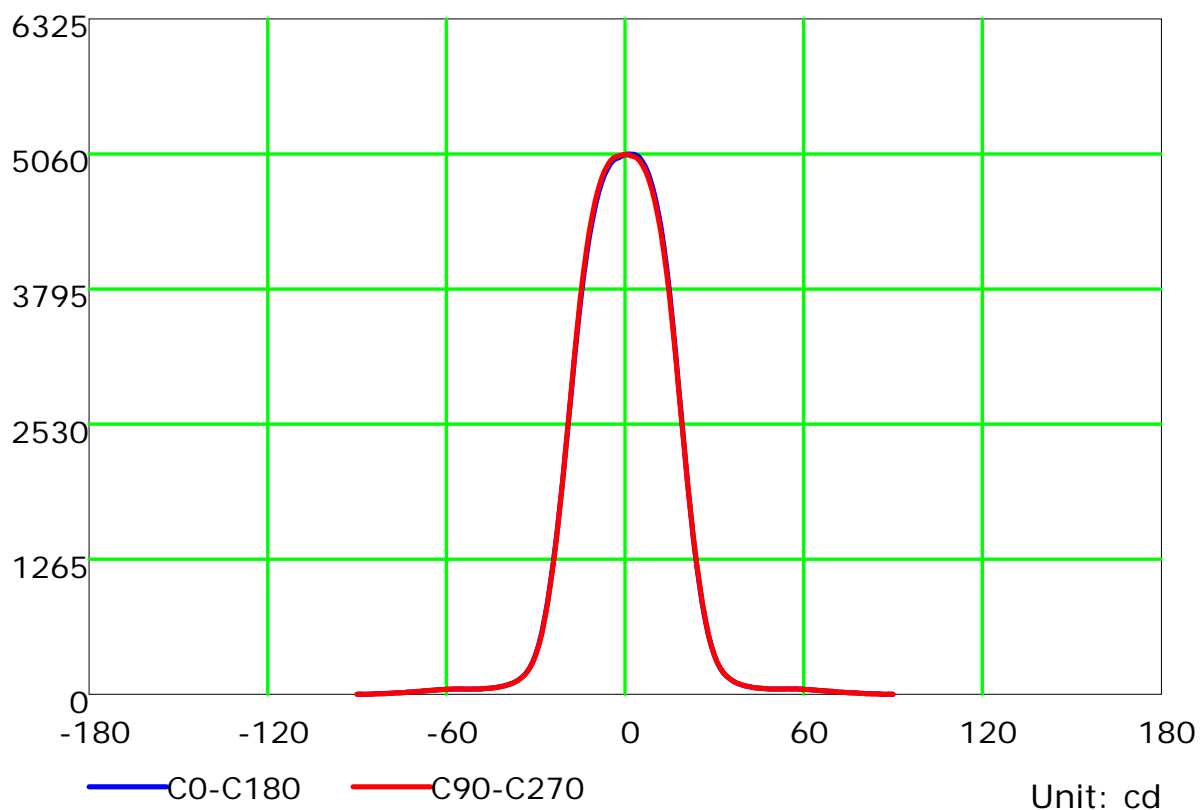
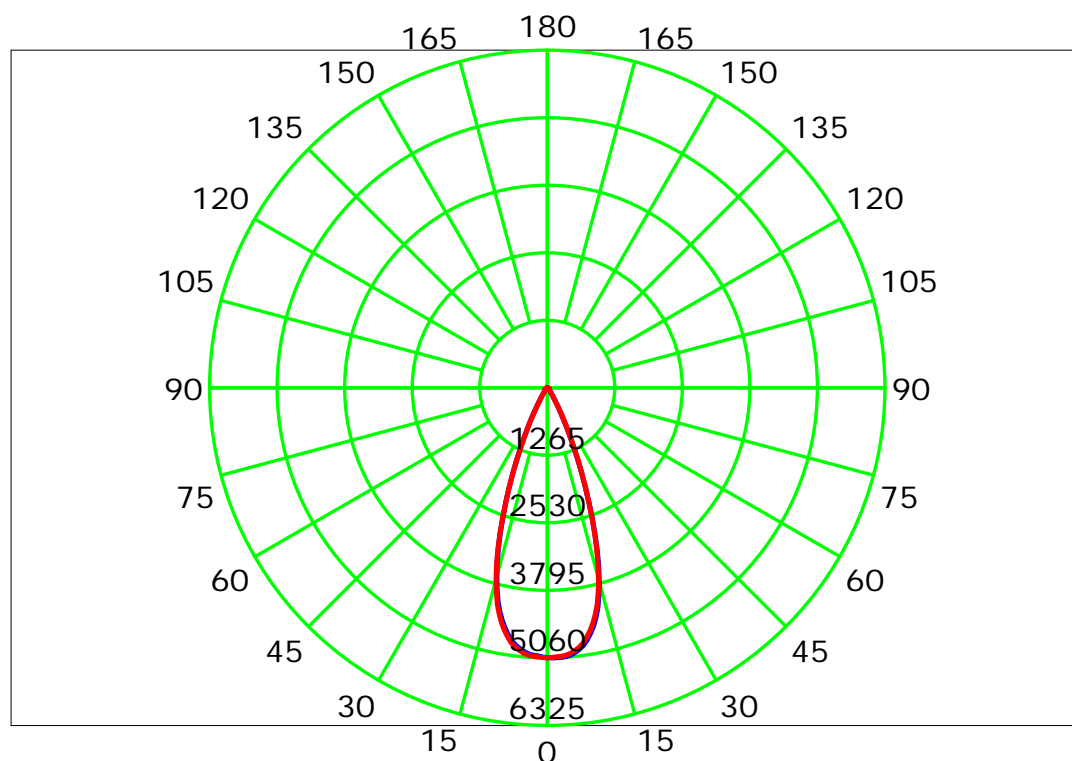
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



Unit: 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

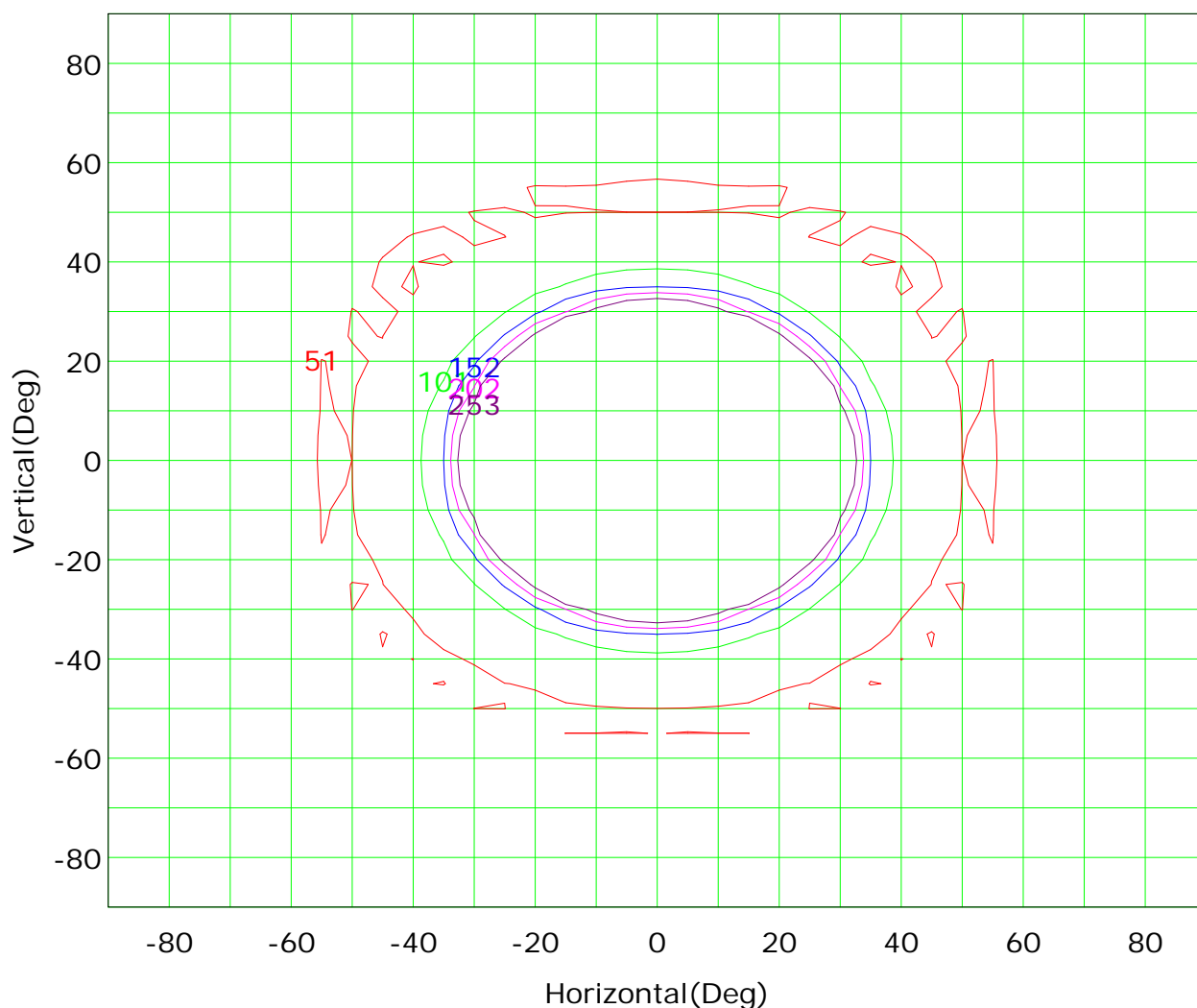
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 5060 cd

( 1%): 51 cd  
( 3%): 152 cd  
( 5%): 253 cd

( 2%): 101 cd  
( 4%): 202 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

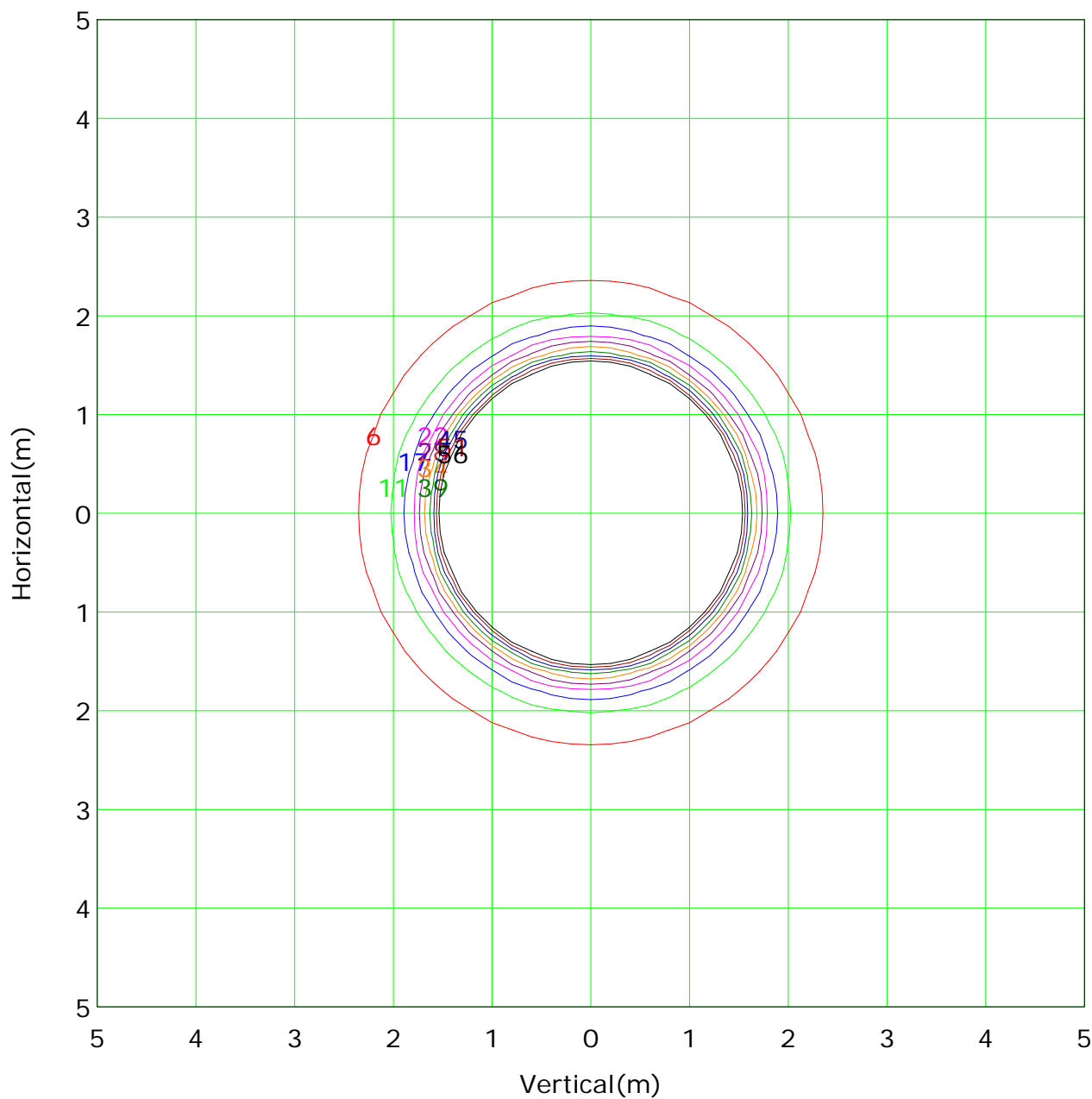
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m Max Lux(100%): 562 lx

( 1%): 6 lx	( 2%): 11 lx
( 3%): 17 lx	( 4%): 22 lx
( 5%): 28 lx	( 6%): 34 lx
( 7%): 39 lx	( 8%): 45 lx
( 9%): 51 lx	(10%): 56 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

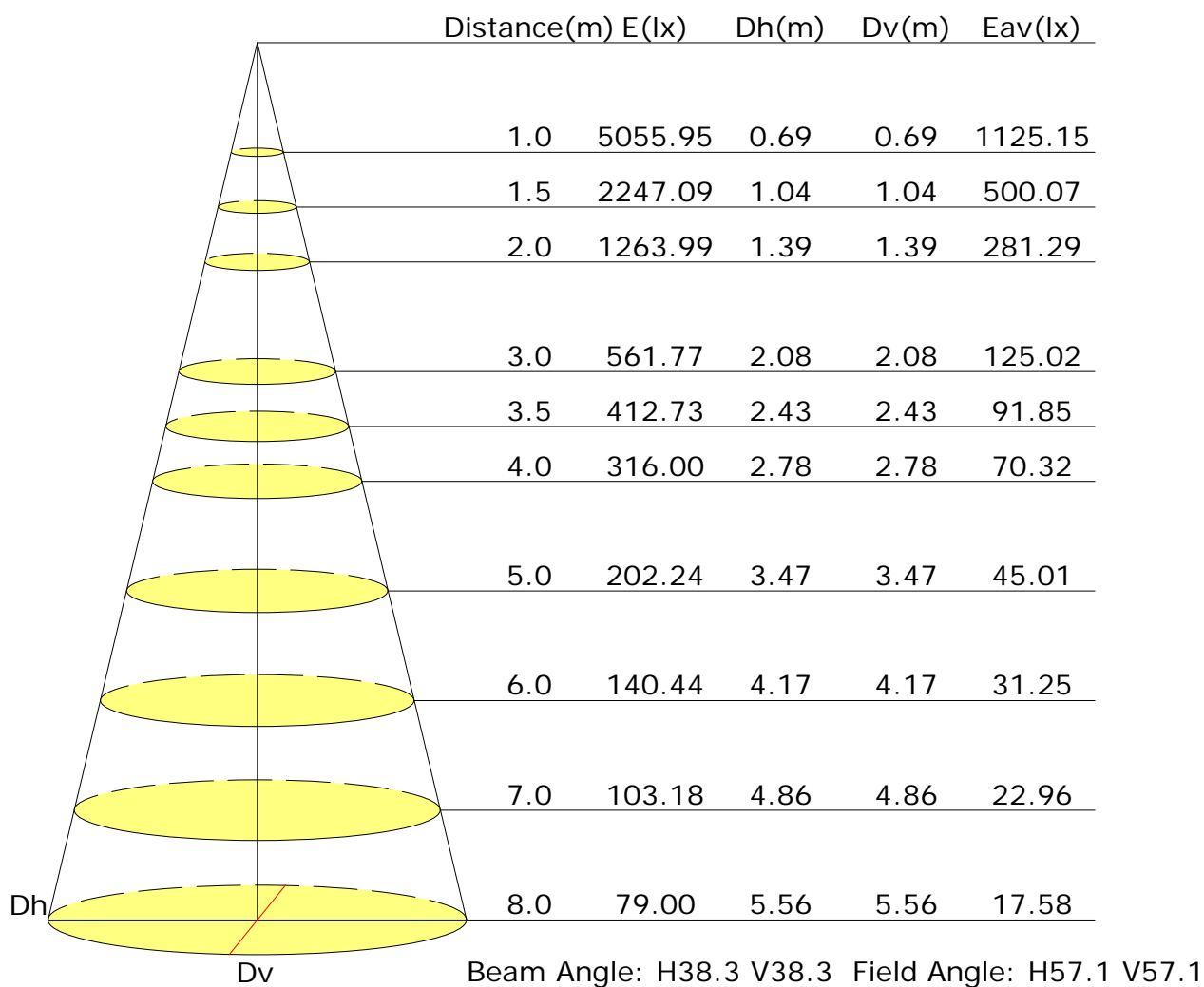
Test Device: CHL-6E

Distance: 3.000 m

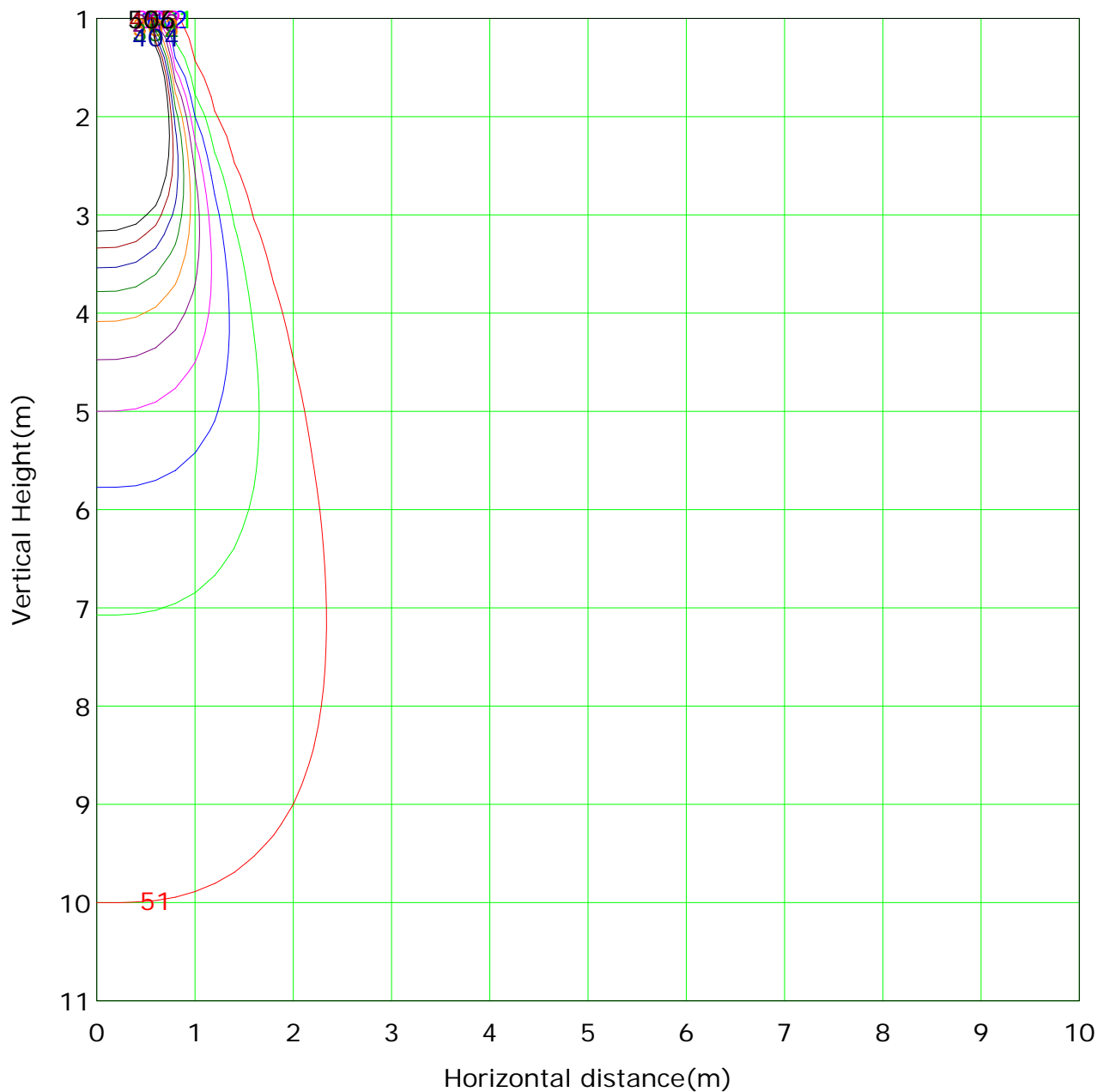
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 5056	
( 1%): 51 lx	( 2%): 101 lx
( 3%): 152 lx	( 4%): 202 lx
( 5%): 253 lx	( 6%): 303 lx
( 7%): 354 lx	( 8%): 404 lx
( 9%): 455 lx	( 10%): 506 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

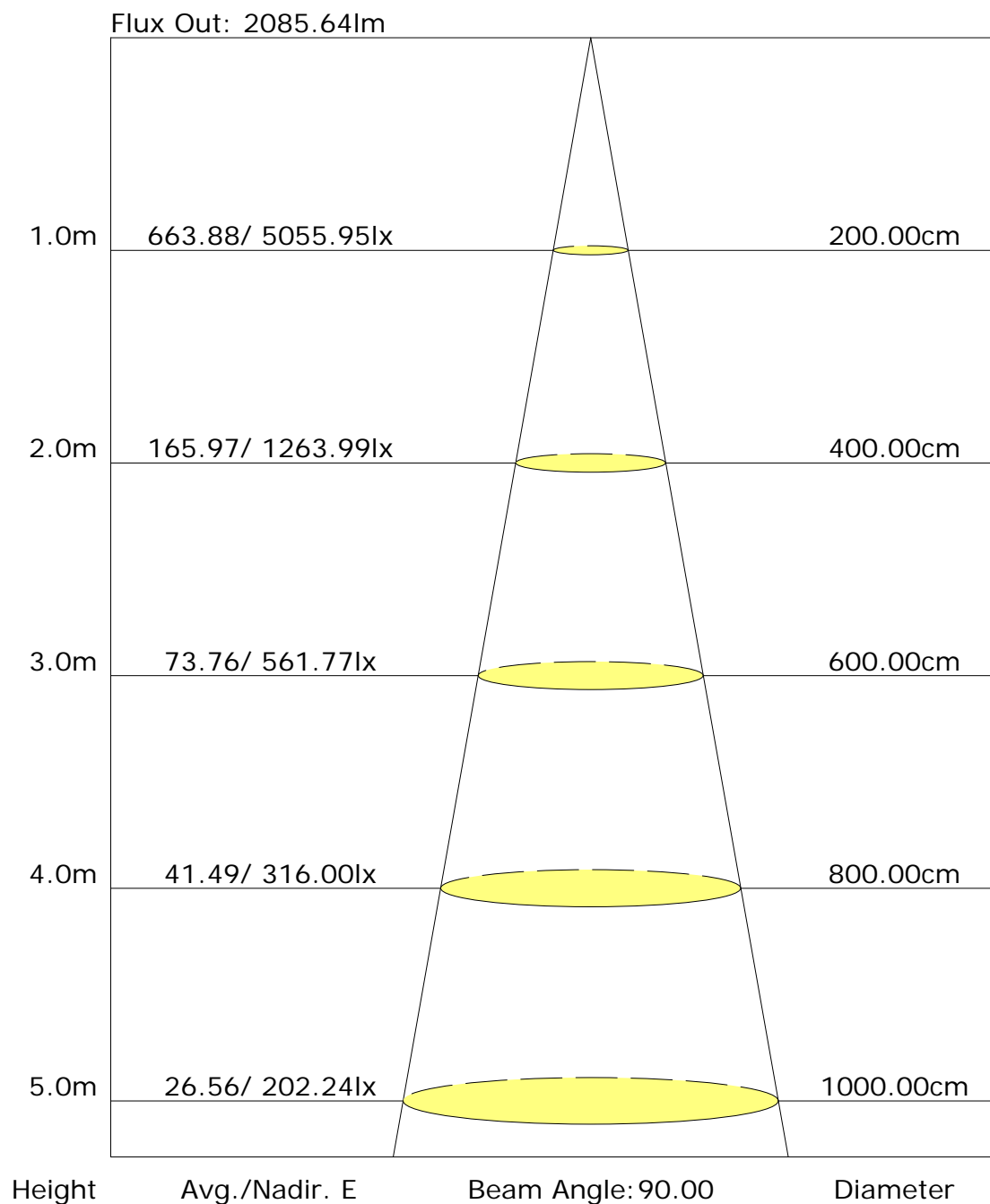
Test Device: CHL-6E

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	5056.0	5056.0								
G1.0	5060.5	5043.3								
G2.0	5059.6	5027.0								
G3.0	5057.8	5018.0								
G4.0	5047.8	4999.9								
G5.0	5023.4	4964.7								
G6.0	4984.6	4915.9								
G7.0	4934.0	4859.9								
G8.0	4868.0	4784.0								
G9.0	4778.5	4687.3								
G10.0	4668.3	4571.6								
G11.0	4542.7	4438.8								
G12.0	4392.7	4285.1								
G13.0	4212.8	4106.2								
G14.0	3999.6	3899.3								
G15.0	3759.2	3667.0								
G16.0	3492.6	3415.8								
G17.0	3198.9	3140.2								
G18.0	2893.5	2854.6								
G19.0	2589.0	2559.1								
G20.0	2285.3	2270.9								
G21.0	1990.8	1992.6								
G22.0	1715.1	1730.5								
G23.0	1458.5	1488.3								
G24.0	1229.0	1259.7								
G25.0	1026.6	1055.5								
G26.0	845.8	872.0								
G27.0	691.3	713.9								
G28.0	559.4	577.4								
G29.0	452.7	463.6								
G30.0	366.0	374.1								
G31.0	297.3	304.5								
G32.0	245.8	250.3								
G33.0	204.2	208.7								
G34.0	173.5	176.2								
G35.0	150.0	152.7								
G36.0	130.1	131.0								

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	113.9	116.6								
G38.0	101.2	103.0								
G39.0	90.4	94.0								
G40.0	82.2	84.9								
G41.0	75.9	76.8								
G42.0	71.4	71.4								
G43.0	65.1	66.0								
G44.0	60.5	62.3								
G45.0	58.7	58.7								
G46.0	56.9	56.9								
G47.0	53.3	55.1								
G48.0	51.5	51.5								
G49.0	50.6	50.6								
G50.0	50.6	50.6								
G51.0	50.6	49.7								
G52.0	50.6	48.8								
G53.0	50.6	48.8								
G54.0	50.6	50.6								
G55.0	51.5	50.6								
G56.0	50.6	50.6								
G57.0	51.5	50.6								
G58.0	50.6	48.8								
G59.0	48.8	48.8								
G60.0	48.8	47.0								
G61.0	45.2	46.1								
G62.0	44.3	44.3								
G63.0	41.6	42.5								
G64.0	39.8	39.8								
G65.0	36.2	38.0								
G66.0	35.2	36.2								
G67.0	32.5	34.3								
G68.0	30.7	31.6								
G69.0	28.9	28.0								
G70.0	27.1	27.1								
G71.0	23.5	23.5								
G72.0	20.8	21.7								
G73.0	19.9	21.7								

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:

