

Report No.:32.06211-Intrack Track Light

Test Time: 2022-04-28 09:07

Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 208.8 V

Current: 0.122 A

Power: 24.40 W

Power Factor: 0.949

Photometric Results

CIE Class: Direct

Measurement Flux: 2177.8 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2177.8 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H32.6,H25.2,H18,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V32.6,V25.2,V18,V0

Luminaire Efficacy Rating (LER): 89

Central Intensity: 10462.51 cd

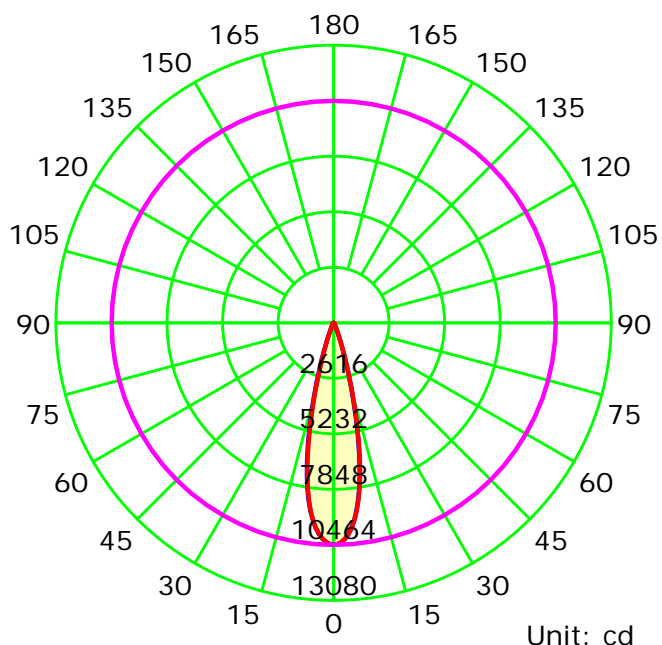
Max. Intensity: 10462.51 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 25.2°

— 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

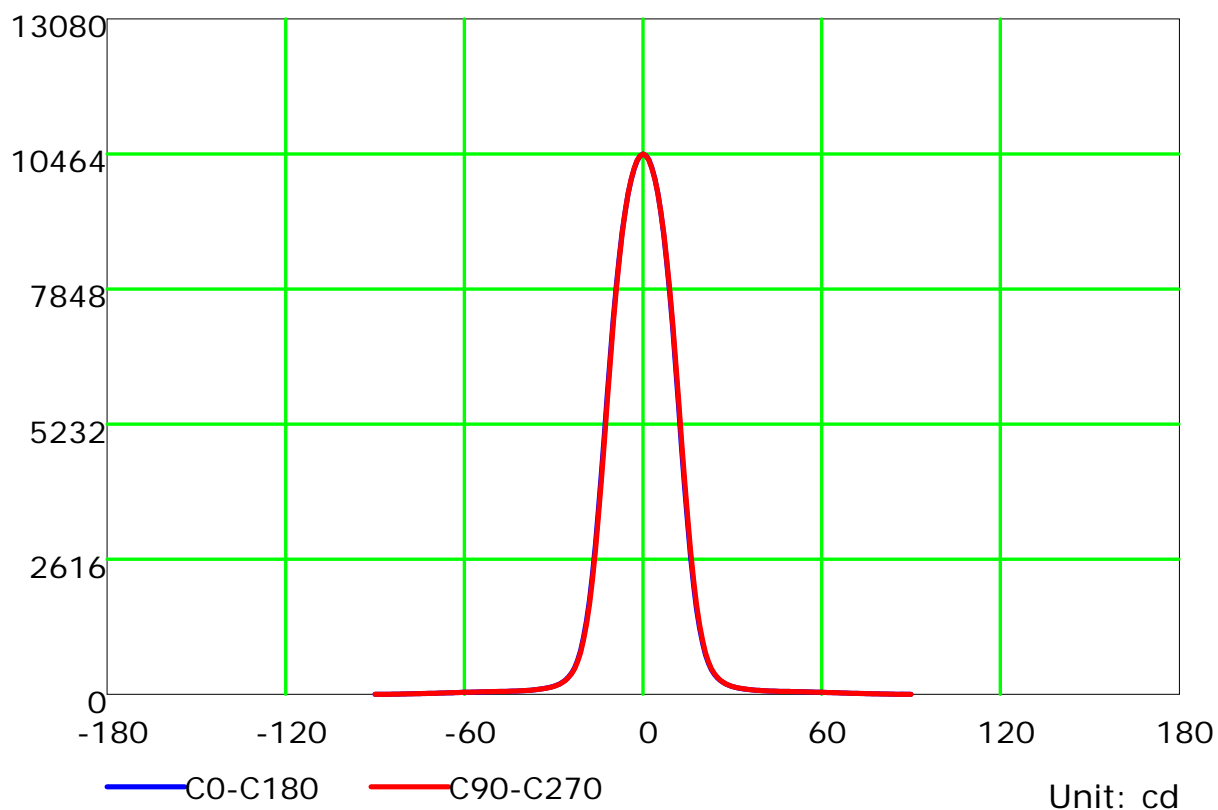
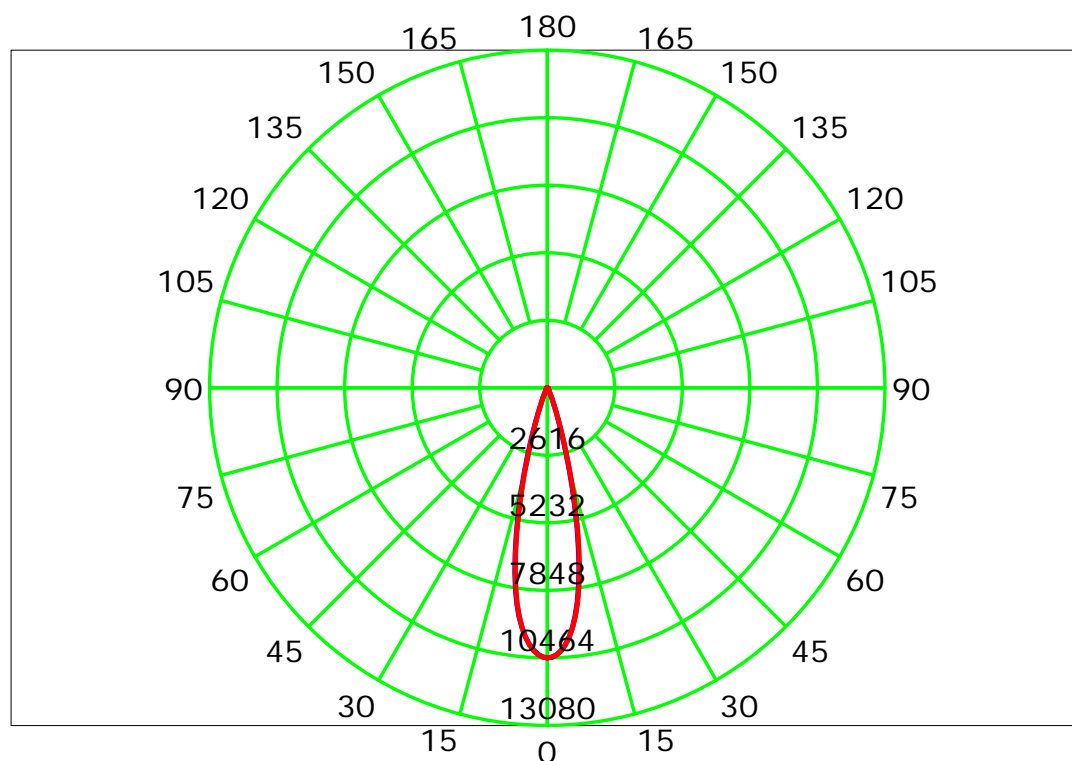
Test Device: CHL-6E

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

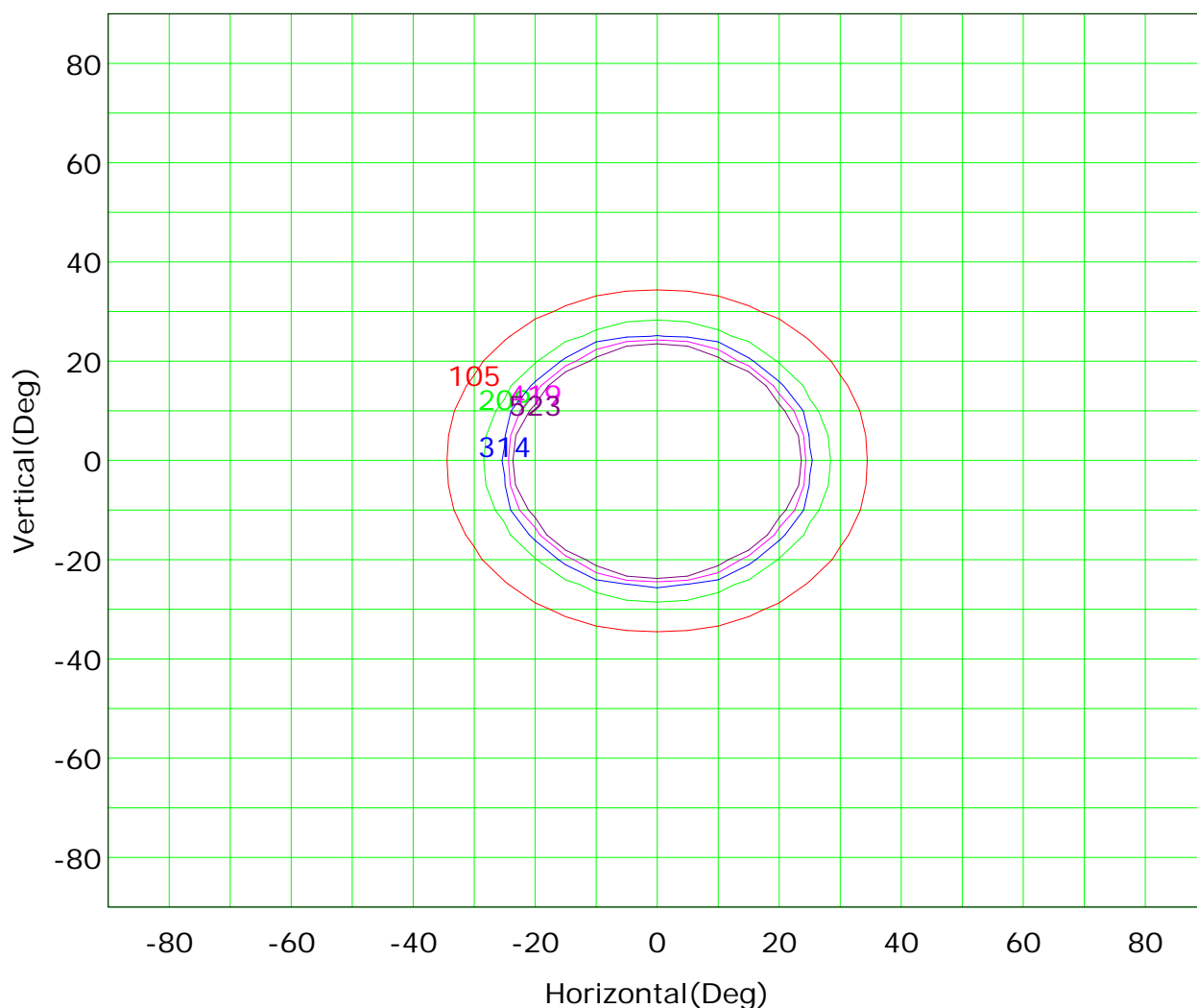
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 10463 cd

(1%): 105 cd

(3%): 314 cd

(5%): 523 cd

(2%): 209 cd

(4%): 419 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

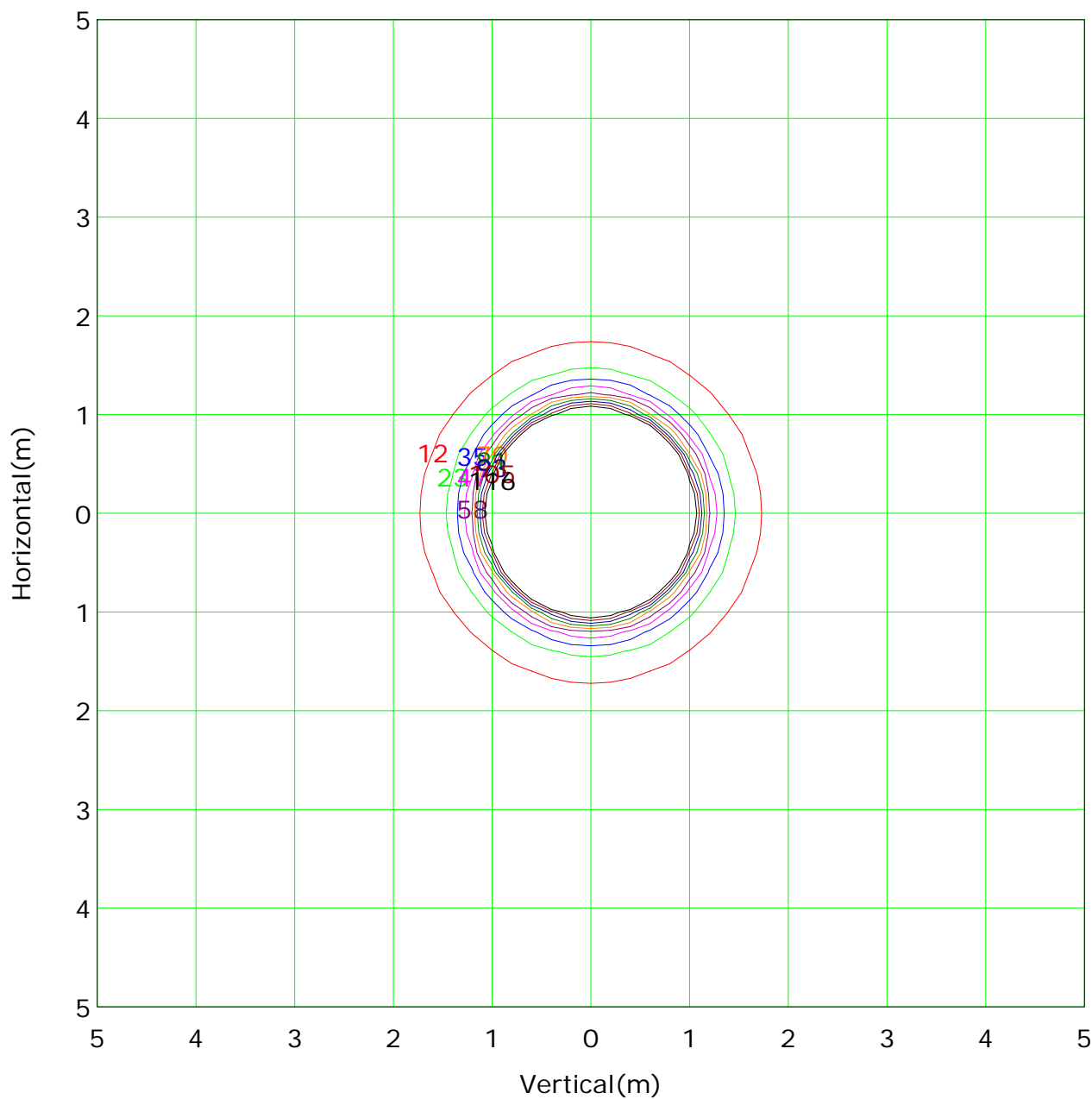
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 1163 lx	
— (1%):	12 lx	— (2%):	23 lx
— (3%):	35 lx	— (4%):	47 lx
— (5%):	58 lx	— (6%):	70 lx
— (7%):	81 lx	— (8%):	93 lx
— (9%):	105 lx	— (10%):	116 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

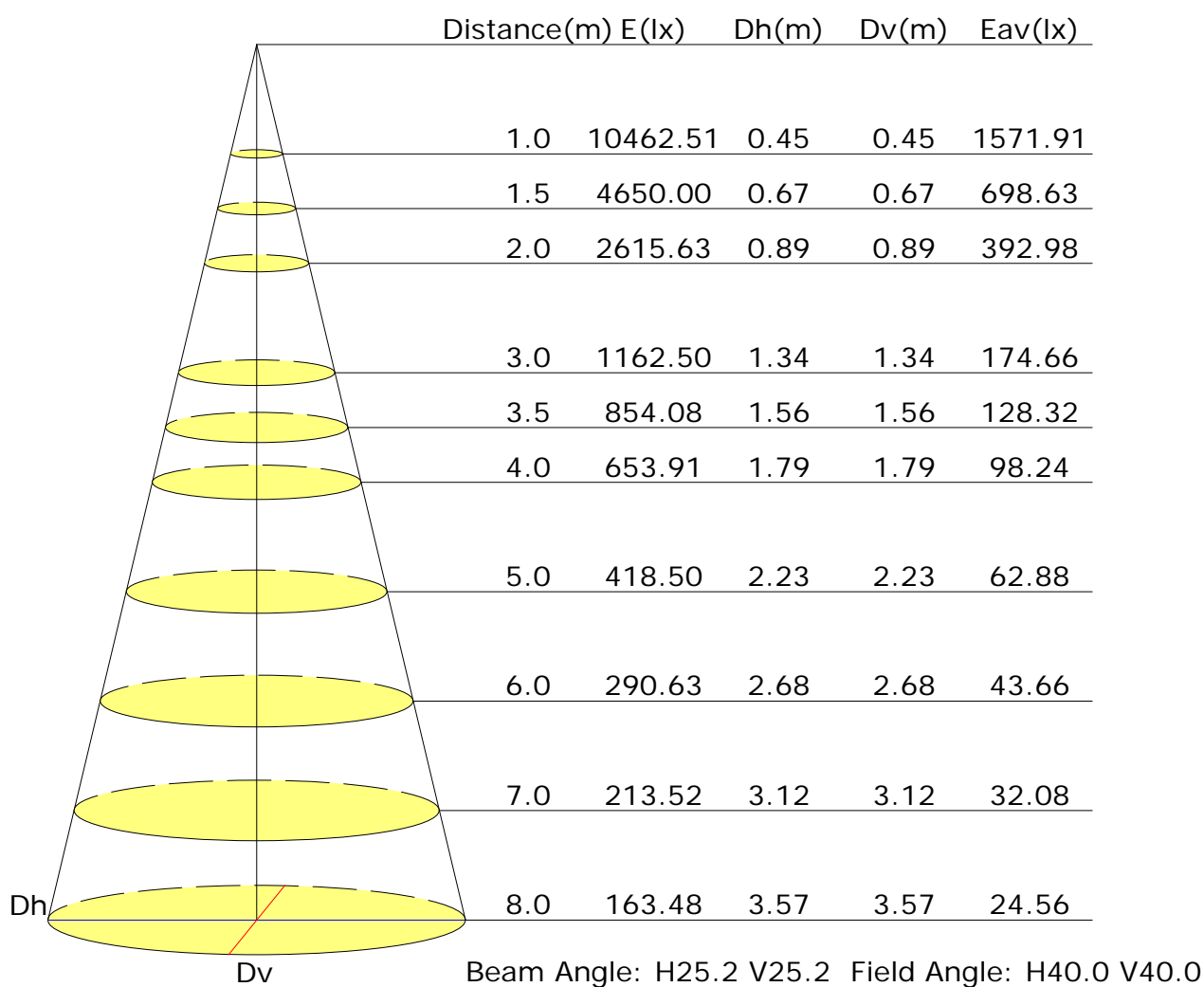
Test Device: CHL-6E

Distance: 3.000 m

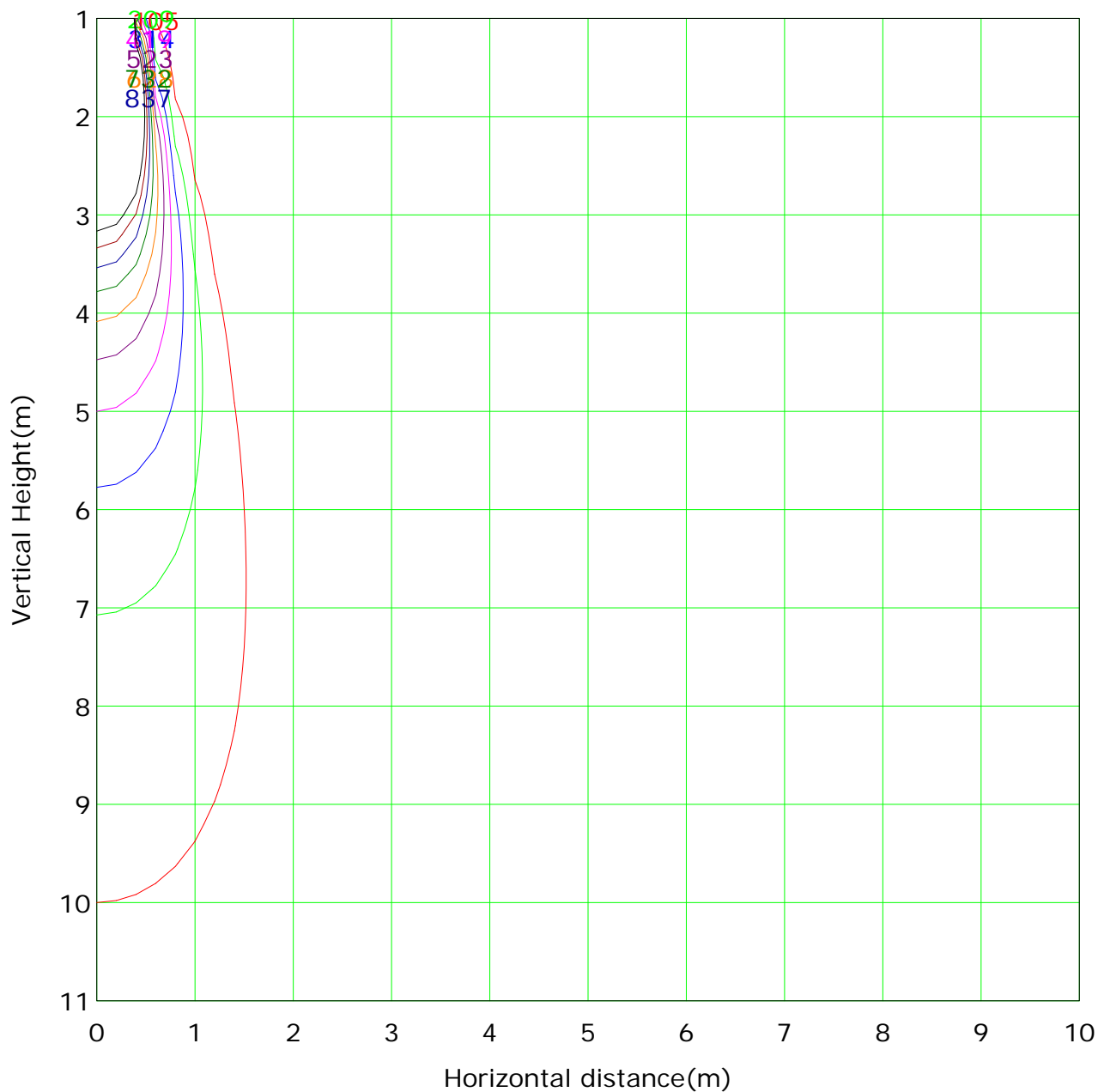
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 10463	
(1%): 105 lx	(2%): 209 lx
(3%): 314 lx	(4%): 419 lx
(5%): 523 lx	(6%): 628 lx
(7%): 732 lx	(8%): 837 lx
(9%): 942 lx	(10%): 1046 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

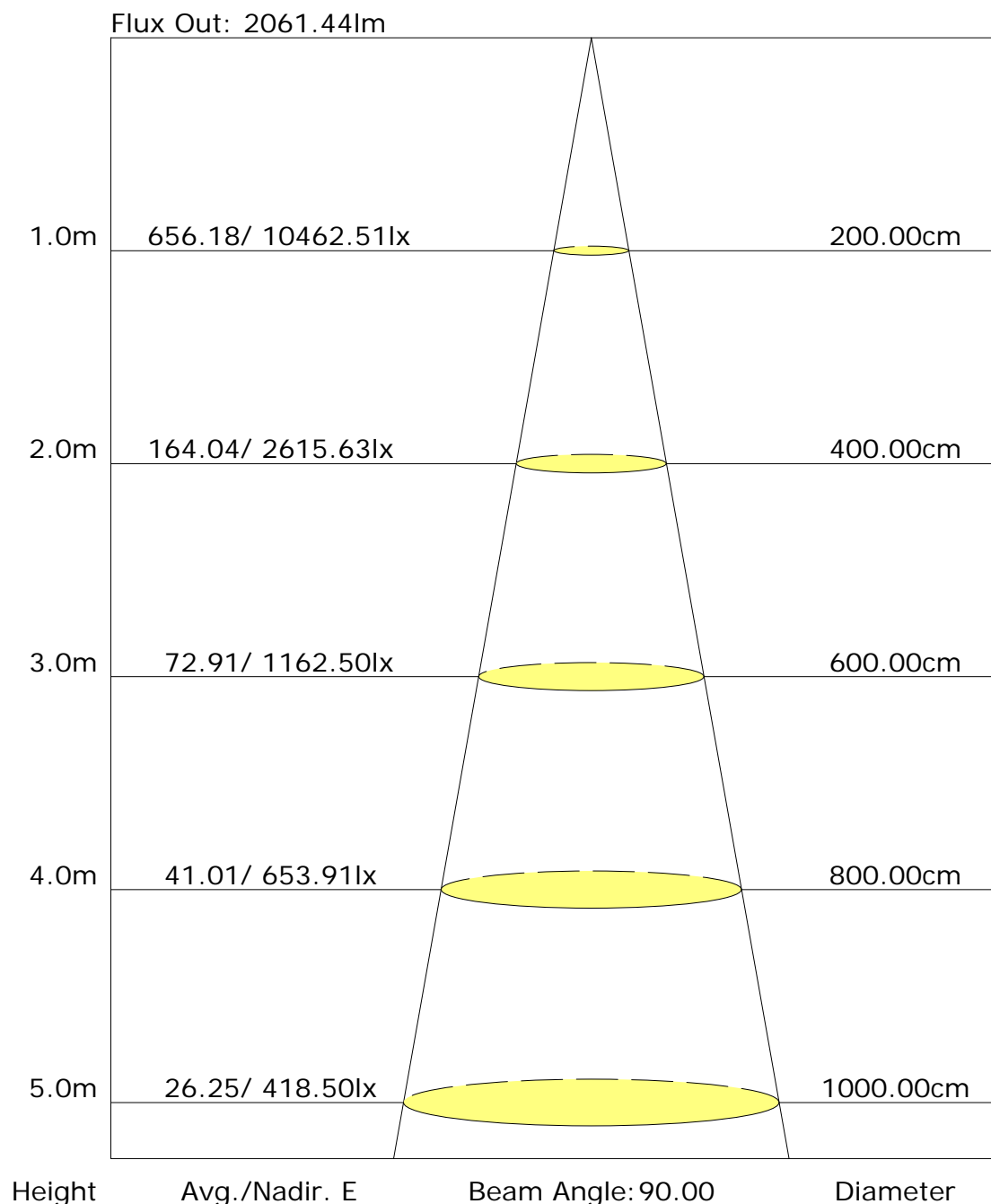
Test Device: CHL-6E

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	10462.5	10462.5								
G1.0	10436.3	10426.4								
G2.0	10352.3	10330.6								
G3.0	10201.3	10177.9								
G4.0	9988.1	9966.4								
G5.0	9699.8	9697.1								
G6.0	9340.2	9361.9								
G7.0	8888.3	8960.6								
G8.0	8366.9	8470.8								
G9.0	7762.4	7907.9								
G10.0	7079.2	7269.0								
G11.0	6331.0	6561.4								
G12.0	5551.1	5813.2								
G13.0	4763.2	5044.2								
G14.0	4005.0	4282.4								
G15.0	3304.7	3559.5								
G16.0	2669.4	2903.4								
G17.0	2114.6	2317.9								
G18.0	1660.0	1829.9								
G19.0	1291.3	1423.3								
G20.0	997.6	1098.8								
G21.0	769.9	844.0								
G22.0	602.7	656.0								
G23.0	478.0	516.0								
G24.0	386.8	413.9								
G25.0	319.0	338.9								
G26.0	267.5	281.9								
G27.0	228.6	238.6								
G28.0	197.0	203.3								
G29.0	171.7	177.1								
G30.0	151.8	157.2								
G31.0	136.4	141.0								
G32.0	122.9	127.4								
G33.0	113.0	117.5								
G34.0	104.8	106.6								
G35.0	97.6	99.4								
G36.0	90.4	92.2								

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	85.8	85.8								
G38.0	79.5	79.5								
G39.0	77.7	75.0								
G40.0	72.3	72.3								
G41.0	69.6	69.6								
G42.0	66.0	66.9								
G43.0	65.1	64.2								
G44.0	62.3	62.3								
G45.0	60.5	60.5								
G46.0	58.7	58.7								
G47.0	57.8	57.8								
G48.0	57.8	56.9								
G49.0	56.9	55.1								
G50.0	55.1	54.2								
G51.0	53.3	53.3								
G52.0	53.3	51.5								
G53.0	51.5	50.6								
G54.0	50.6	48.8								
G55.0	48.8	47.9								
G56.0	47.0	45.2								
G57.0	46.1	44.3								
G58.0	43.4	43.4								
G59.0	41.6	41.6								
G60.0	40.7	40.7								
G61.0	38.0	38.0								
G62.0	36.2	35.2								
G63.0	34.3	34.3								
G64.0	32.5	30.7								
G65.0	31.6	30.7								
G66.0	29.8	29.8								
G67.0	27.1	26.2								
G68.0	25.3	25.3								
G69.0	23.5	23.5								
G70.0	21.7	21.7								
G71.0	21.7	21.7								
G72.0	19.9	19.0								
G73.0	17.2	17.2								

C Plane (°): 0.0-180.0: 180.0

Test Lab:

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Temperature:

Operator:

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Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

