

Report No.:56.06511-Recessed Downlight Test Time: 2022-04-26 15:33

Luminaire Property

Luminaire Category: Citizen 1204 3000K CRI90

Voltage: 214.9 V

Current: 0.119 A

Power: 24.10 W

Power Factor: 0.936

Photometric Results

CIE Class: Direct

Measurement Flux: 2188 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2188.0 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H34.6,H26.3,H18.7,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V34.6,V26.3,V18.7,V1

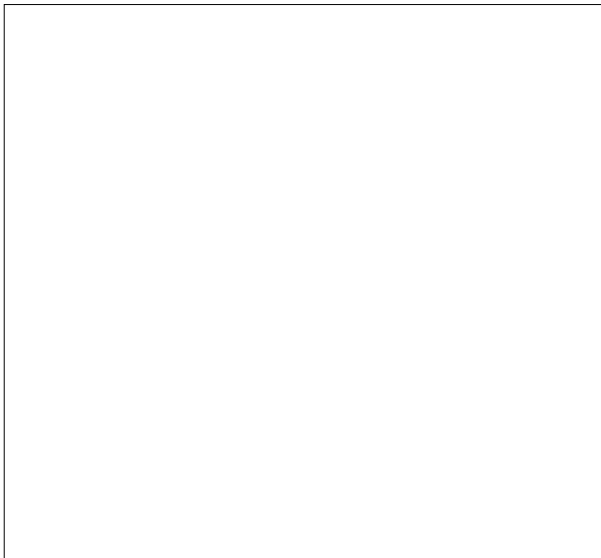
Luminaire Efficacy Rating (LER): 91

Central Intensity: 9614.88 cd

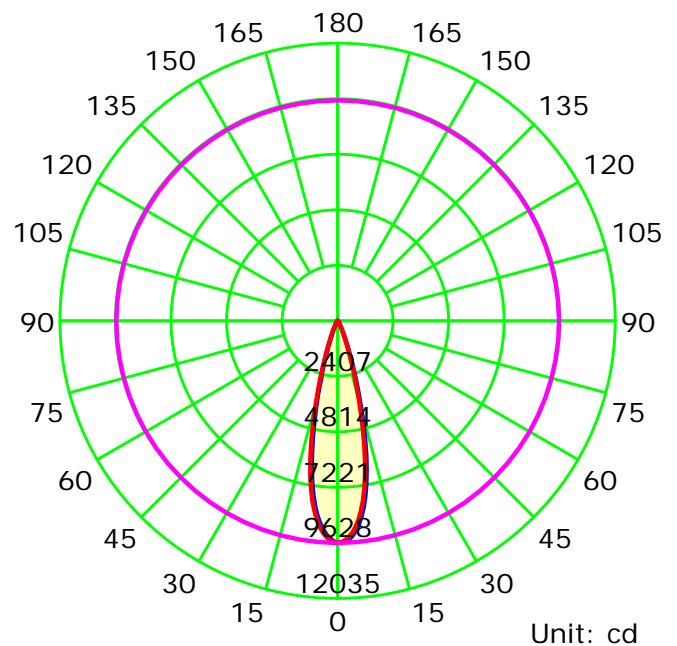
Max. Intensity: 9628.45 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 26.3°

— 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

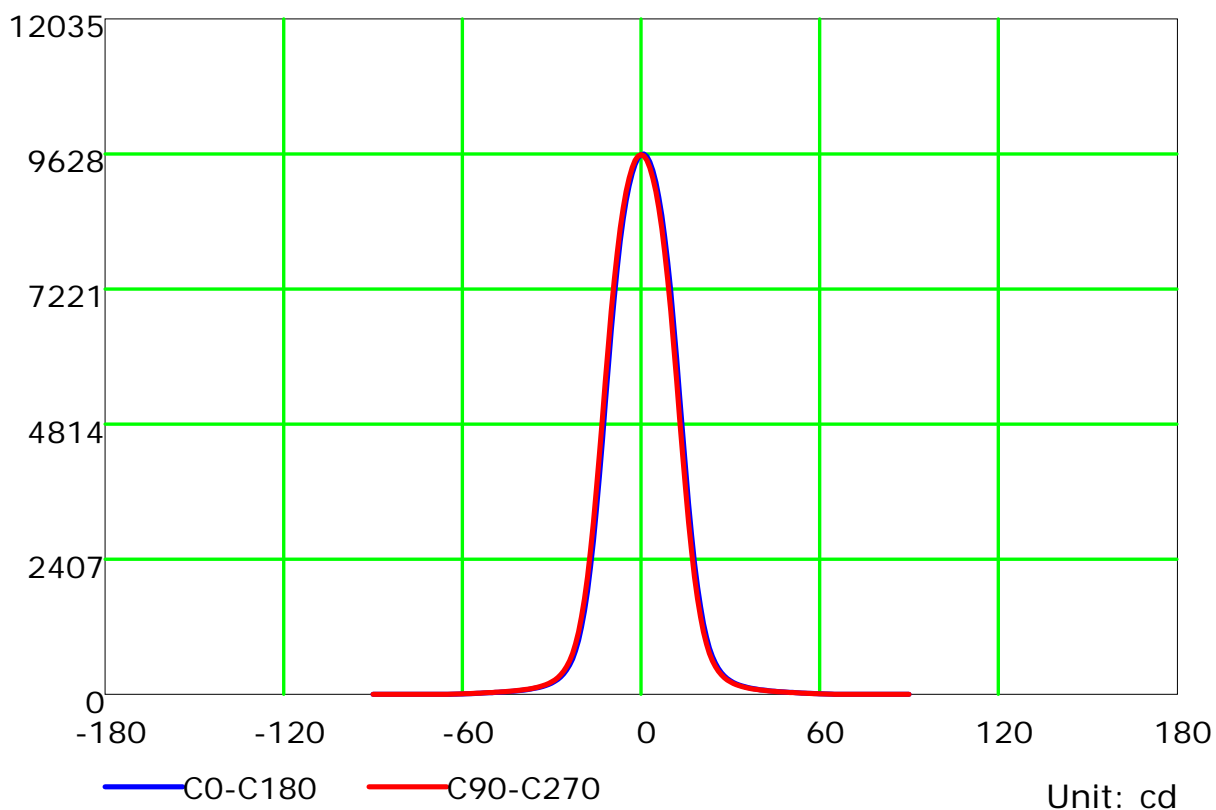
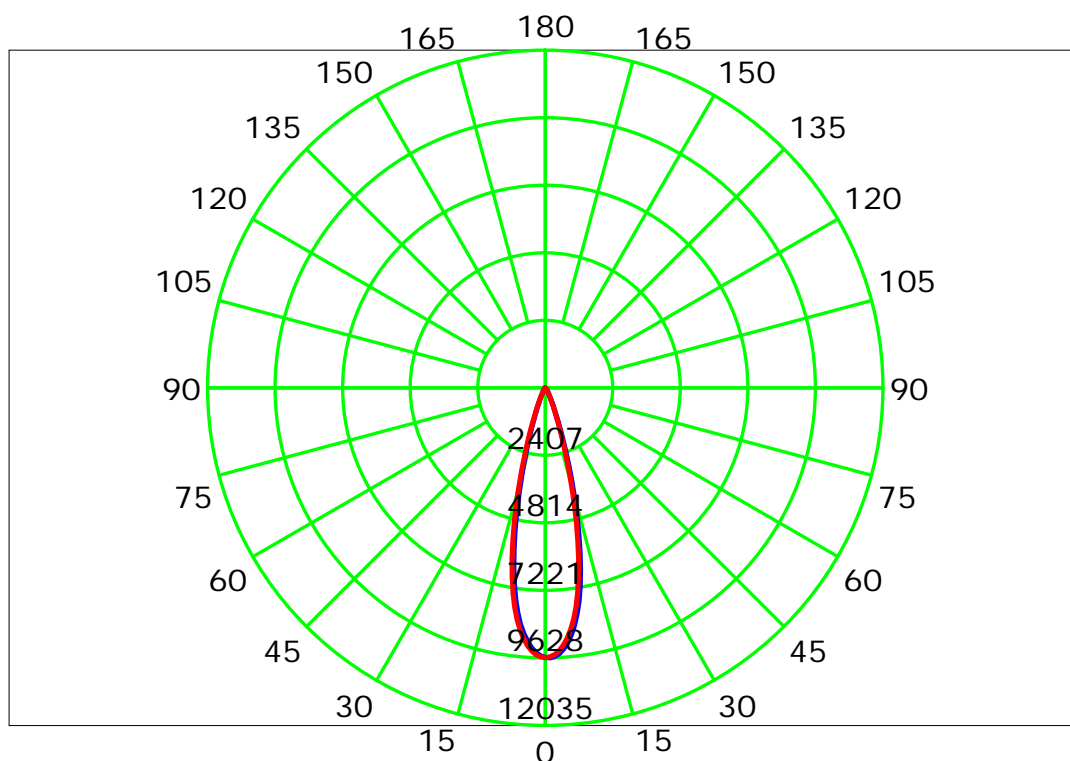
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

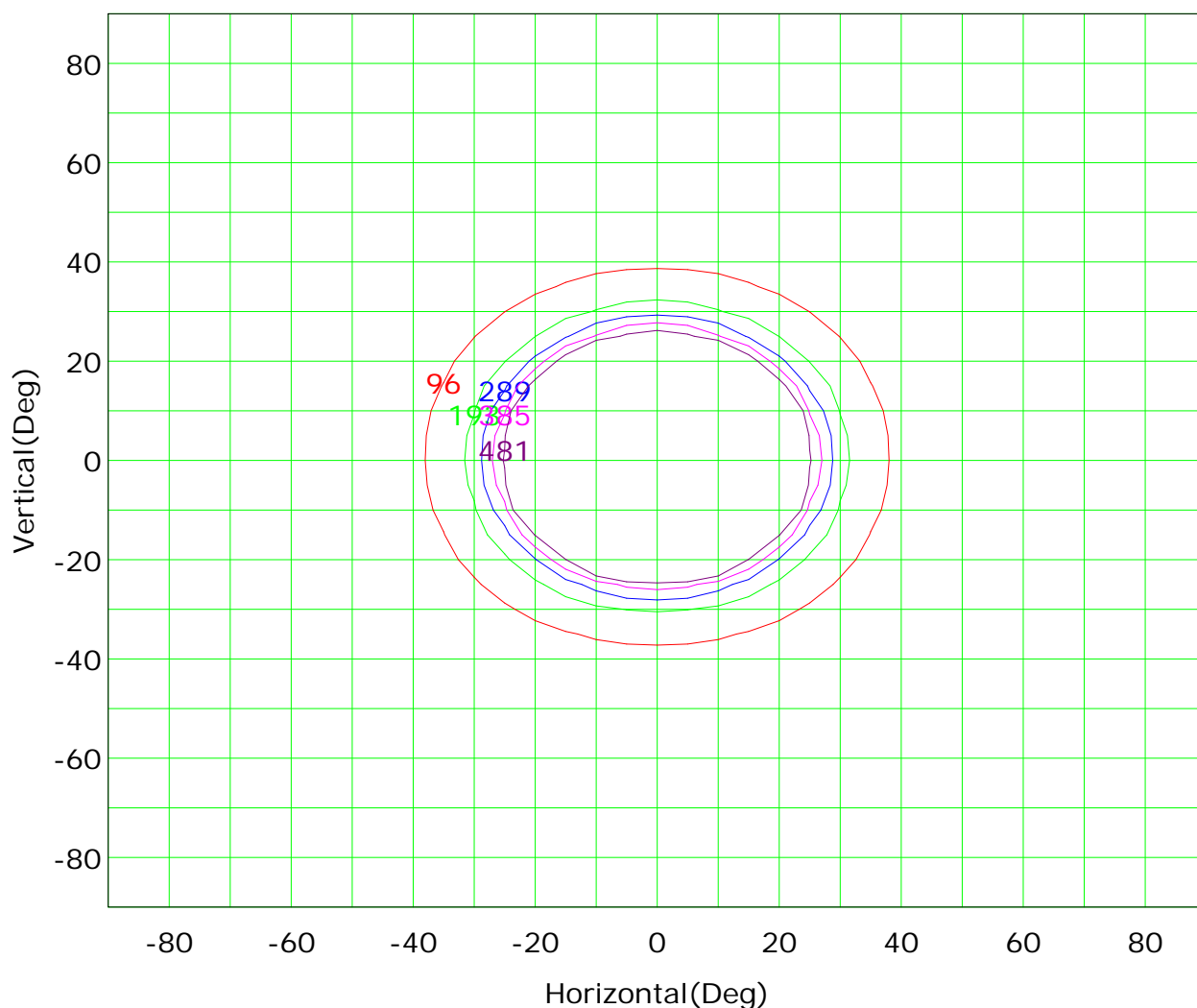
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



I_{max} (100%): 9628 cd

(1%): 96 cd
(3%): 289 cd
(5%): 481 cd

(2%): 193 cd
(4%): 385 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

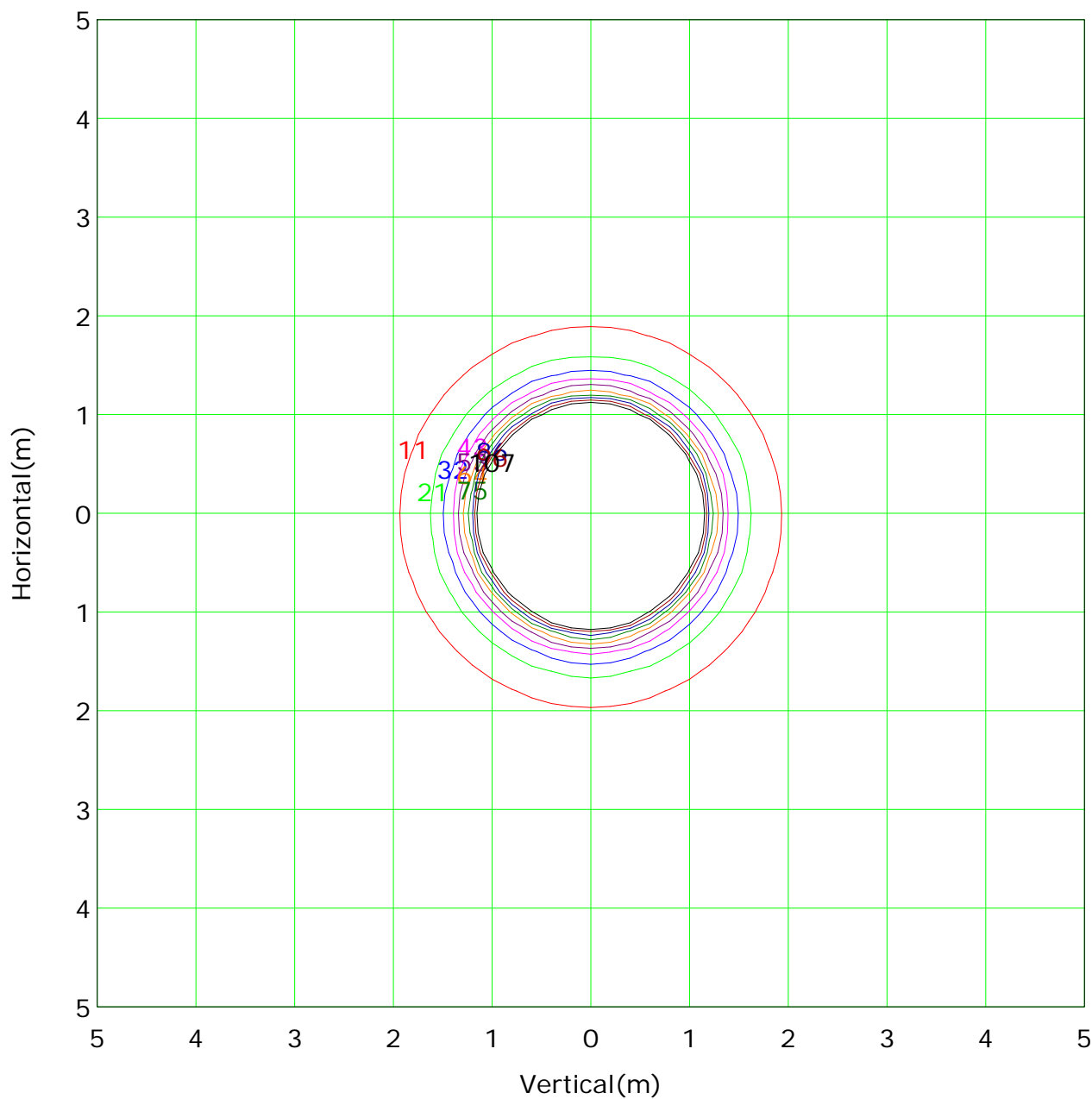
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 1069 lx	
— (1%):	11 lx	— (2%):	21 lx
— (3%):	32 lx	— (4%):	43 lx
— (5%):	53 lx	— (6%):	64 lx
— (7%):	75 lx	— (8%):	86 lx
— (9%):	96 lx	— (10%):	107 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

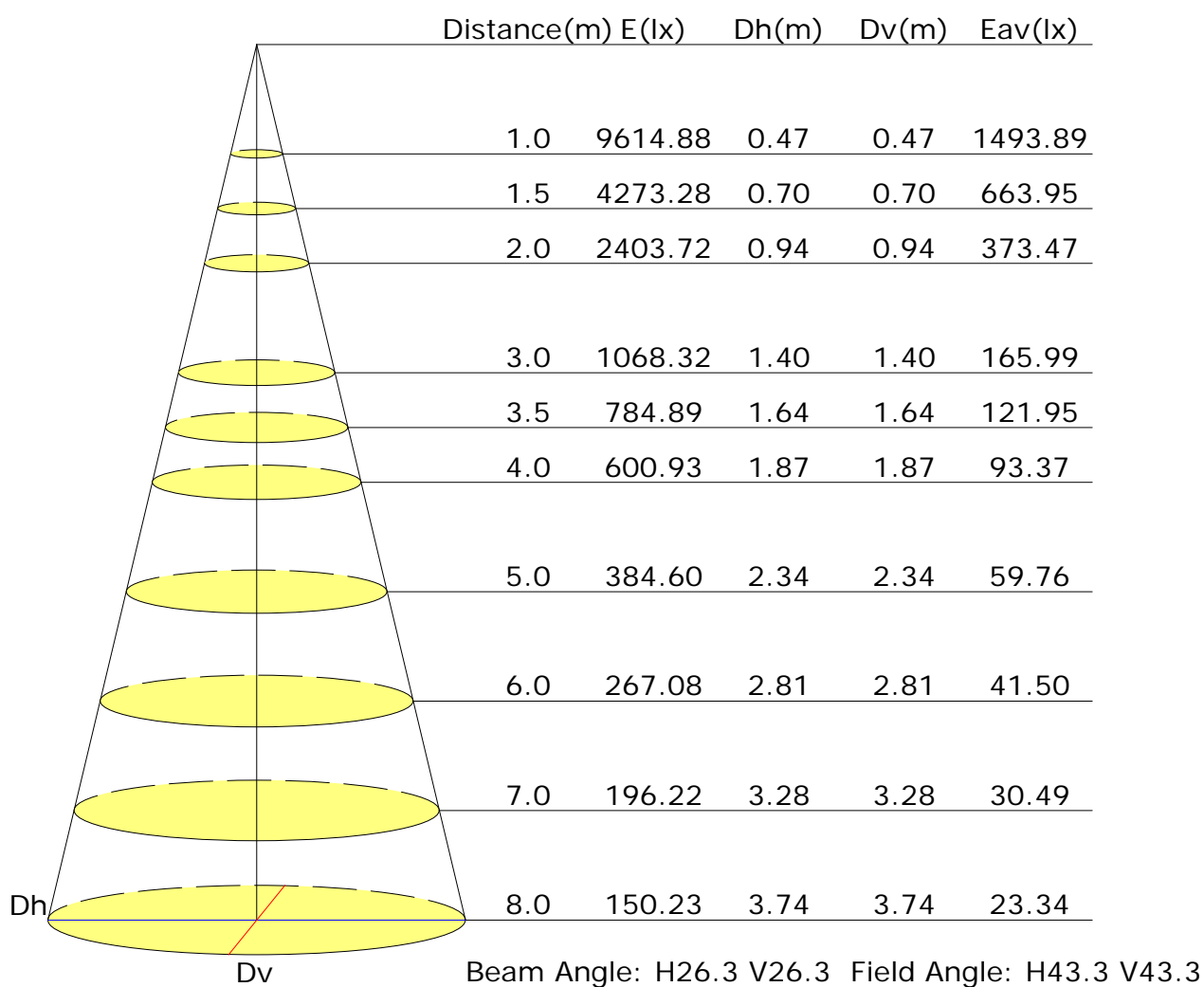
Test Device: CHL-6E

Distance: 3.000 m

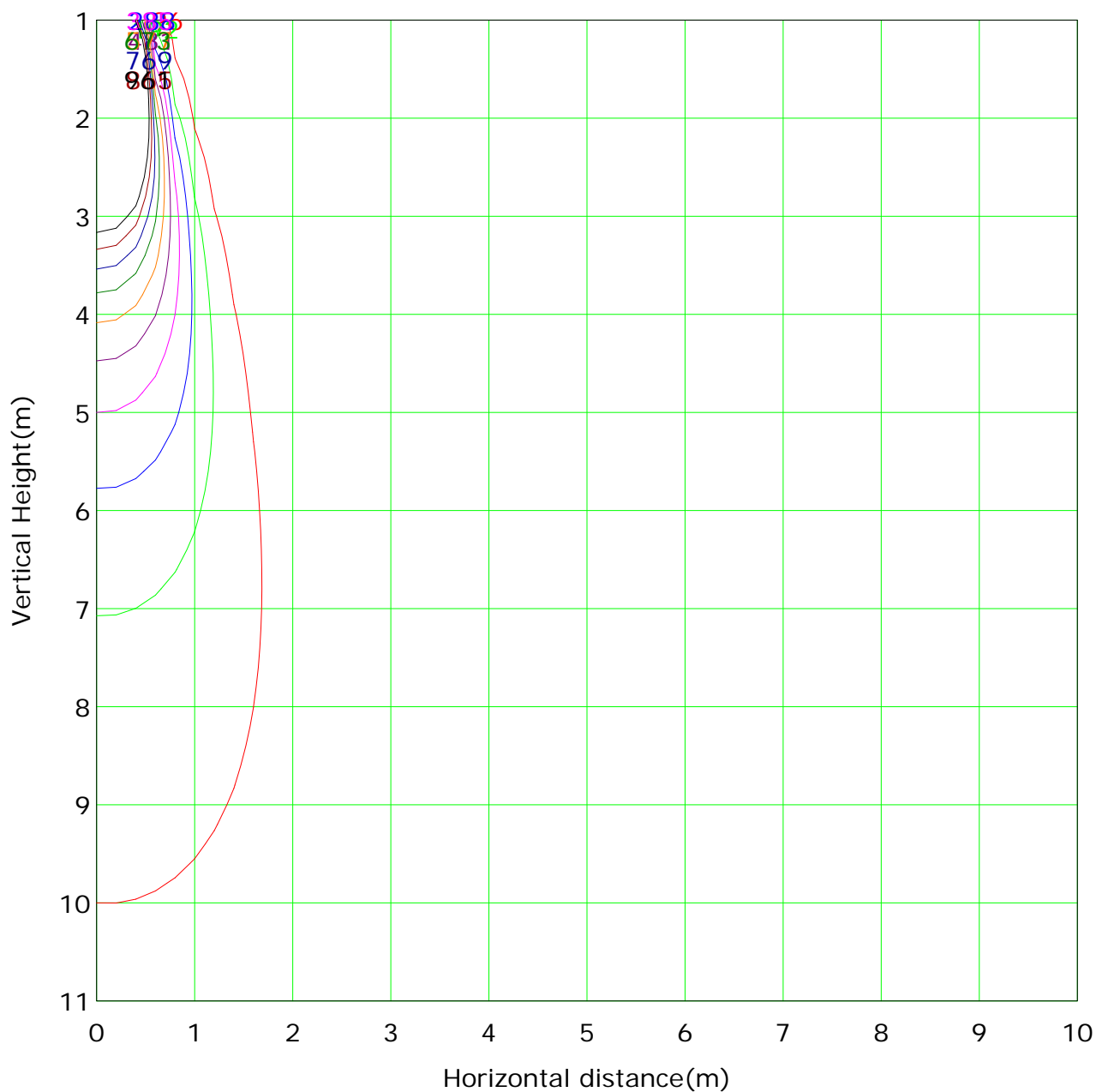
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 9615	
(1%): 96 lx	(2%): 192 lx
(3%): 288 lx	(4%): 385 lx
(5%): 481 lx	(6%): 577 lx
(7%): 673 lx	(8%): 769 lx
(9%): 865 lx	(10%): 961 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

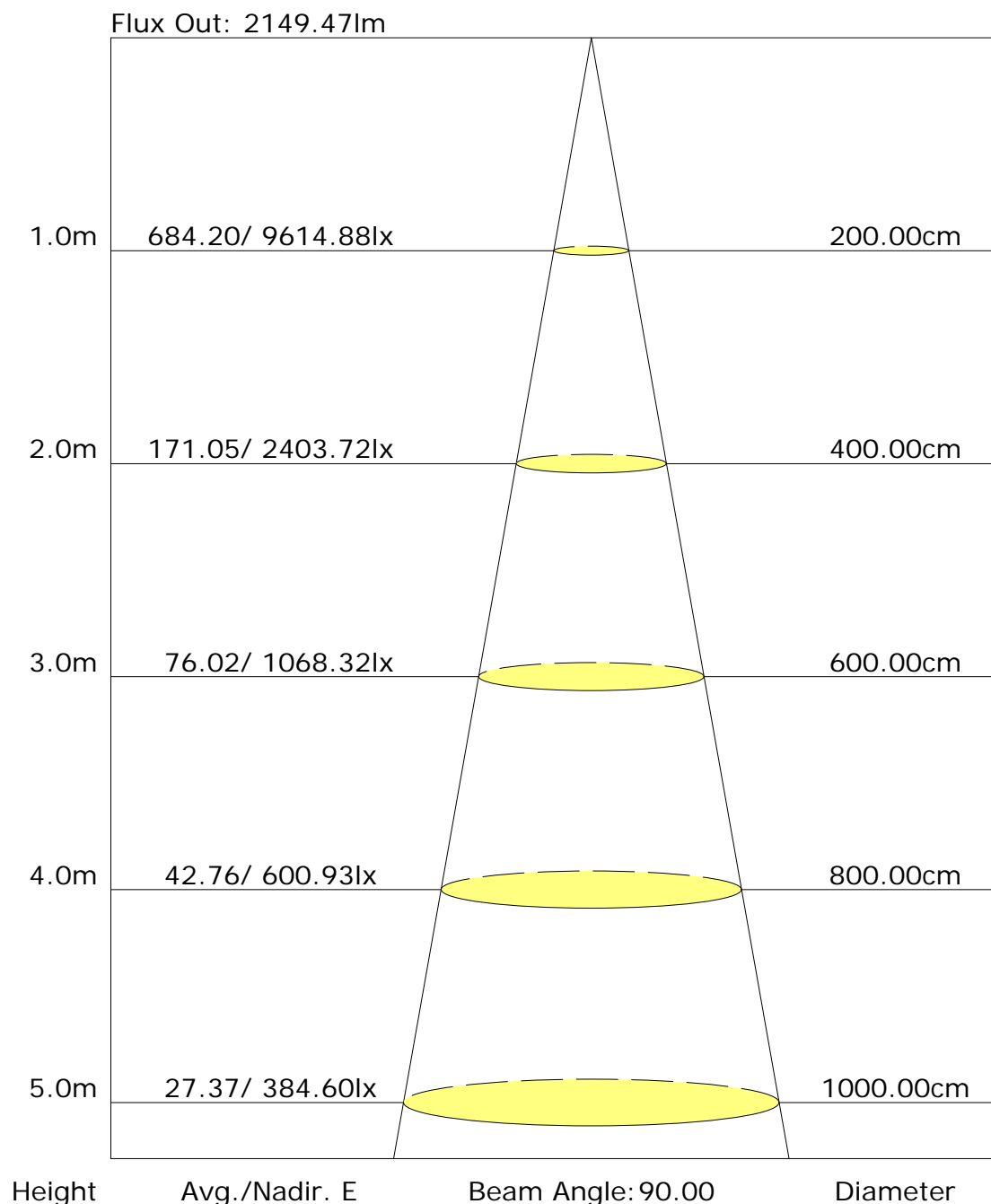
Test Device: CHL-6E

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	9614.9	9614.9								
G1.0	9628.4	9560.7								
G2.0	9585.1	9444.1								
G3.0	9488.4	9284.1								
G4.0	9333.8	9067.3								
G5.0	9125.1	8798.0								
G6.0	8858.5	8478.1								
G7.0	8535.0	8074.1								
G8.0	8148.3	7609.7								
G9.0	7694.6	7071.1								
G10.0	7181.3	6481.0								
G11.0	6594.9	5844.8								
G12.0	5975.0	5187.9								
G13.0	5321.6	4521.9								
G14.0	4658.3	3882.1								
G15.0	4008.6	3281.2								
G16.0	3396.8	2740.8								
G17.0	2834.8	2260.9								
G18.0	2343.2	1845.3								
G19.0	1918.5	1490.1								
G20.0	1560.6	1199.2								
G21.0	1261.5	965.1								
G22.0	1019.3	780.8								
G23.0	825.9	635.3								
G24.0	673.2	524.1								
G25.0	554.8	433.8								
G26.0	462.7	366.0								
G27.0	387.7	310.0								
G28.0	328.0	266.6								
G29.0	281.0	231.3								
G30.0	244.0	201.5								
G31.0	213.3	178.0								
G32.0	188.0	159.0								
G33.0	167.2	141.9								
G34.0	149.1	127.4								
G35.0	134.6	115.7								
G36.0	122.0	105.7								

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:

Candlepower Table (Continue 1)

Unit: cd

GVC	C0.0	C180.0								
G37.0	109.3	94.9								
G38.0	101.2	86.8								
G39.0	92.2	79.5								
G40.0	82.2	72.3								
G41.0	77.7	66.9								
G42.0	71.4	62.3								
G43.0	65.1	56.0								
G44.0	58.7	51.5								
G45.0	54.2	48.8								
G46.0	50.6	44.3								
G47.0	46.1	41.6								
G48.0	43.4	37.0								
G49.0	39.8	35.2								
G50.0	37.0	30.7								
G51.0	34.3	28.9								
G52.0	30.7	27.1								
G53.0	28.0	23.5								
G54.0	24.4	20.8								
G55.0	21.7	19.0								
G56.0	19.9	16.3								
G57.0	18.1	13.6								
G58.0	14.5	11.8								
G59.0	13.6	9.9								
G60.0	10.8	8.1								
G61.0	9.0	6.3								
G62.0	7.2	4.5								
G63.0	6.3	4.5								
G64.0	4.5	2.7								
G65.0	2.7	0.9								
G66.0	0.9	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:

