

Report No.: 51.07513 Recessed Downlight    Test Time: 2022-05-27 19:45

## Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 221.4 V

Current: 0.152 A

Power: 32.60 W

Power Factor: 0.964

## Photometric Results

CIE Class: Direct

Measurement Flux: 2155.6 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2155.6 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H36.8,H28.7,H20.5,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V36.8,V28.7,V20.5,V0

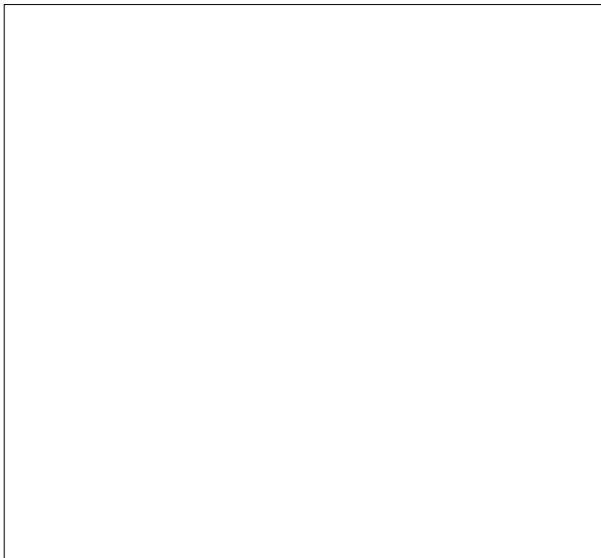
Luminaire Efficacy Rating (LER): 66

Central Intensity: 8775.39 cd

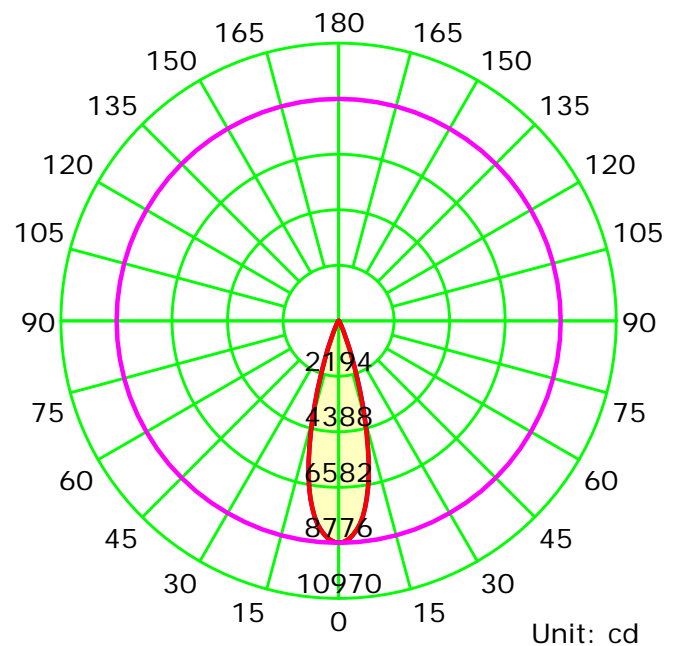
Max. Intensity: 8775.39 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 28.7°

— 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

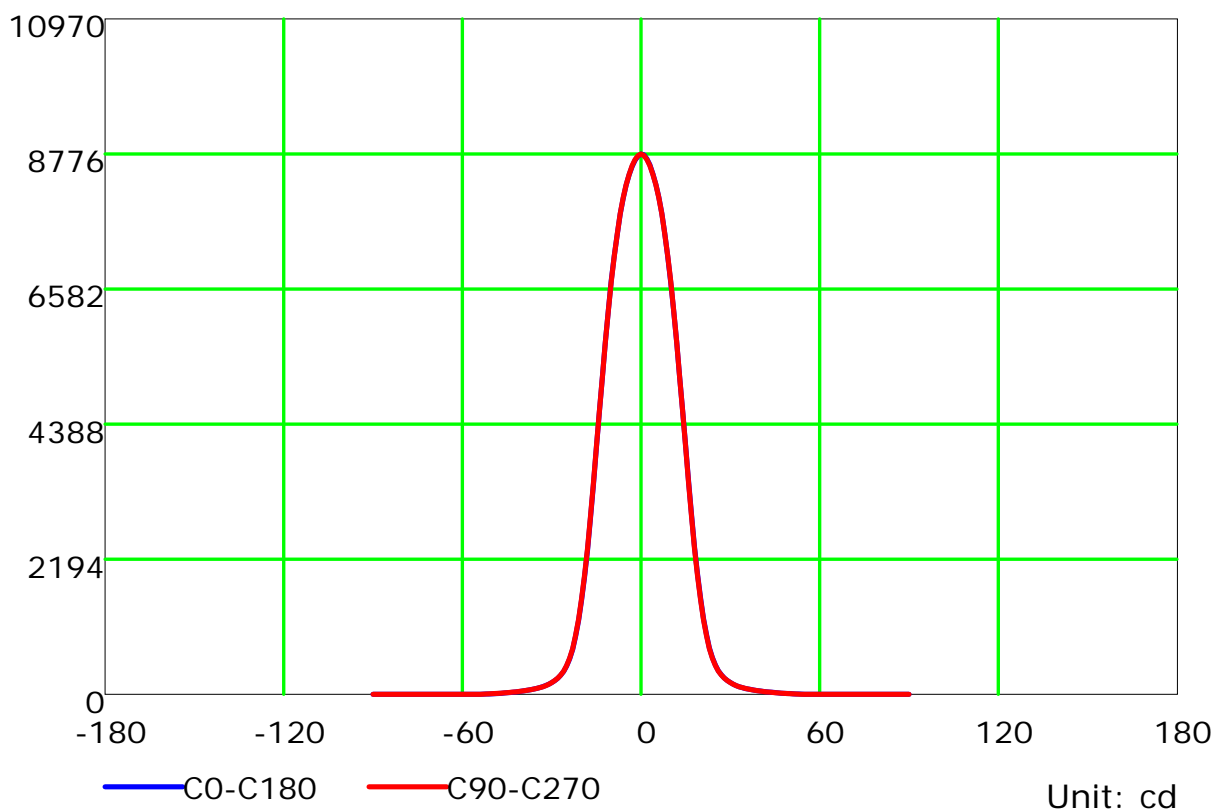
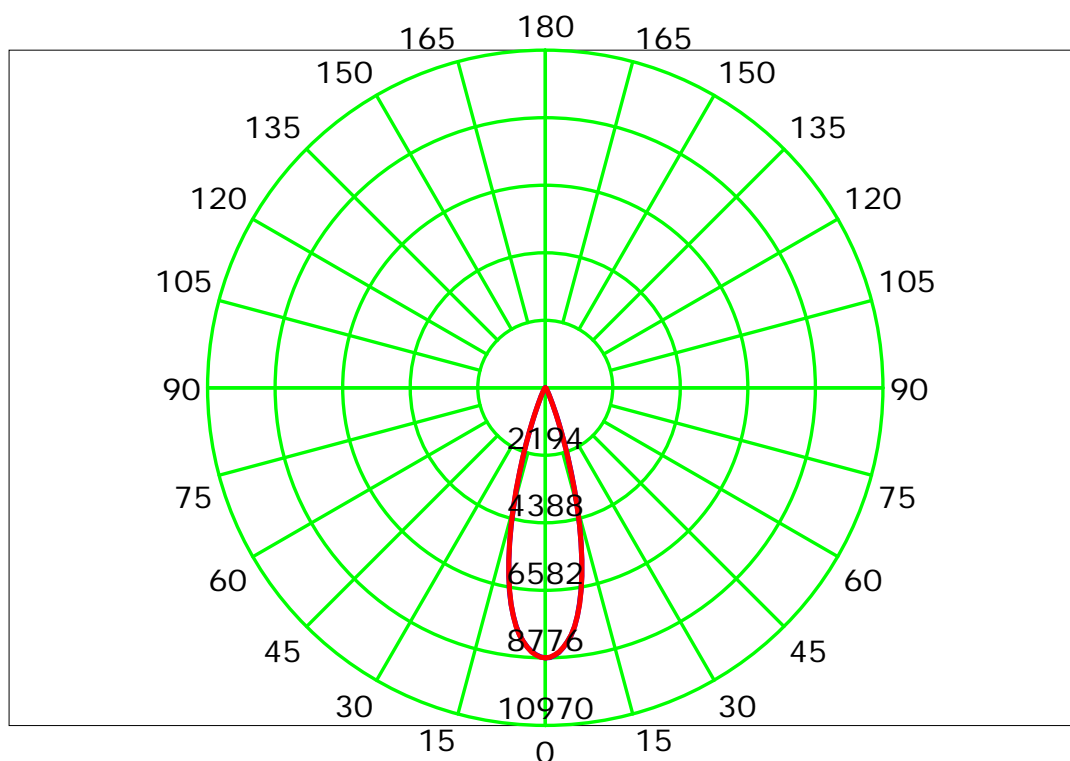
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve



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

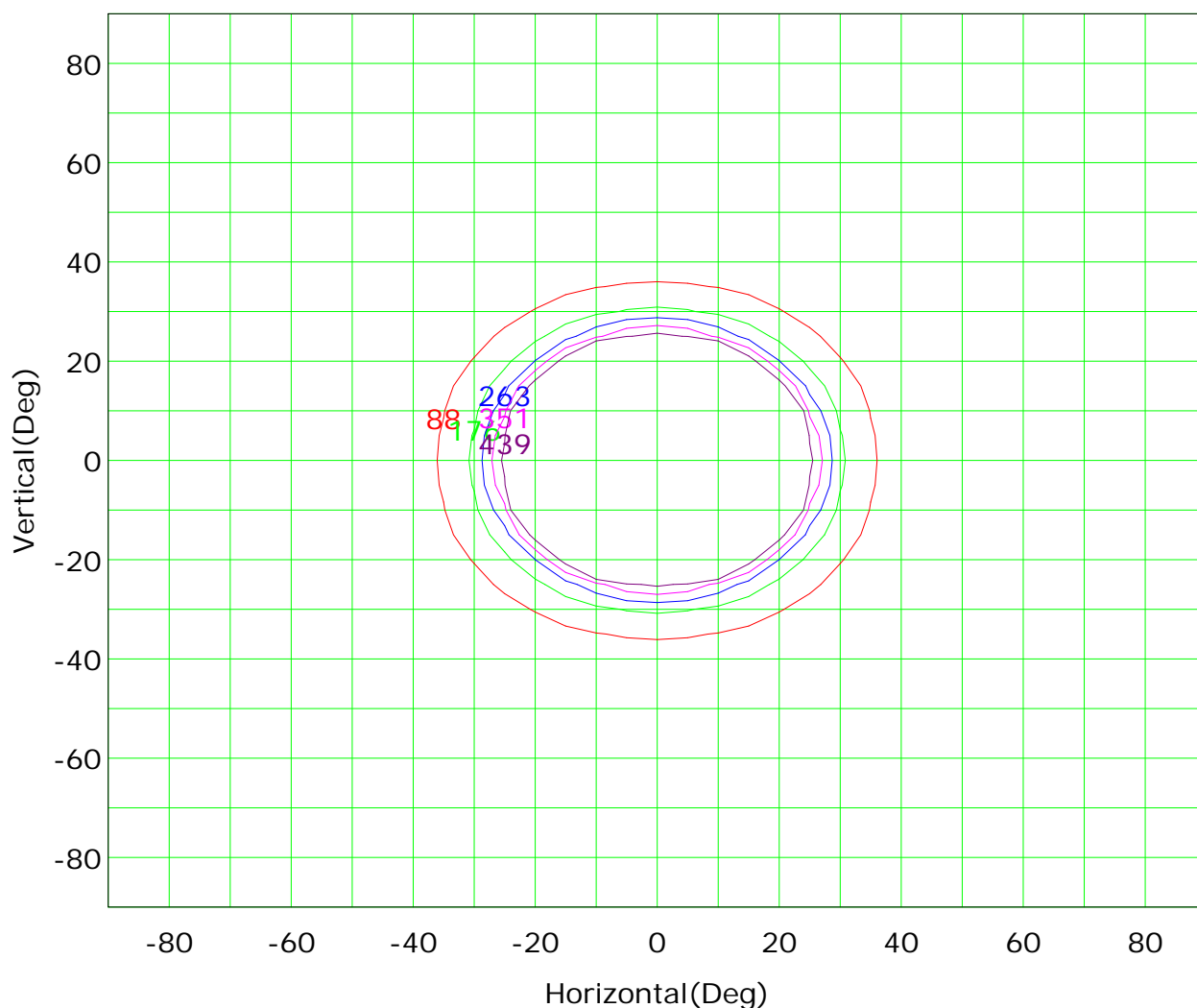
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 8775 cd

( 1%): 88 cd	( 2%): 176 cd
( 3%): 263 cd	( 4%): 351 cd
( 5%): 439 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

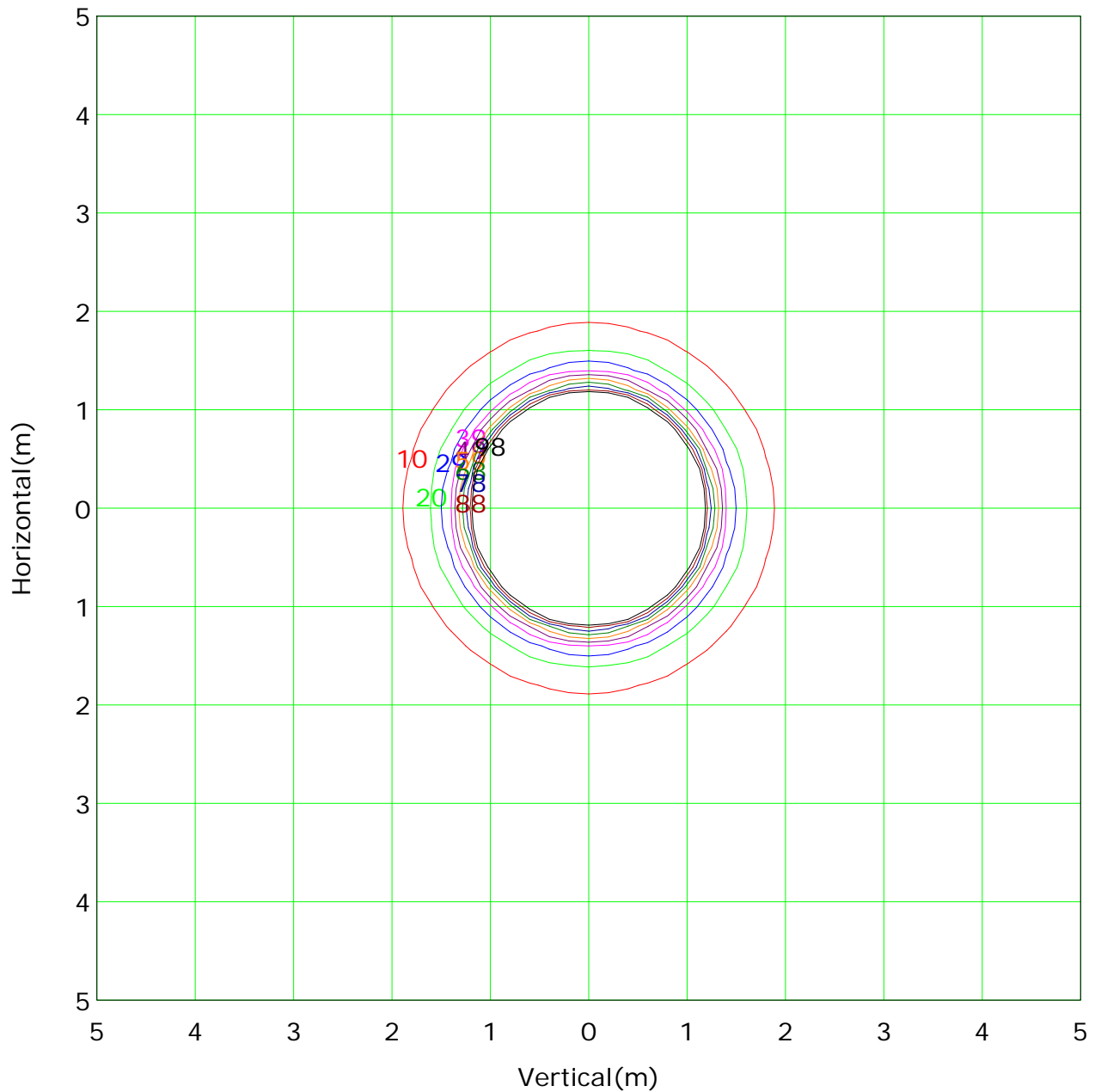
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 3m    Max Lux(100%): 975 lx			
— ( 1%):	10 lx	— ( 2%):	20 lx
— ( 3%):	29 lx	— ( 4%):	39 lx
— ( 5%):	49 lx	— ( 6%):	59 lx
— ( 7%):	68 lx	— ( 8%):	78 lx
— ( 9%):	88 lx	— (10%):	98 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

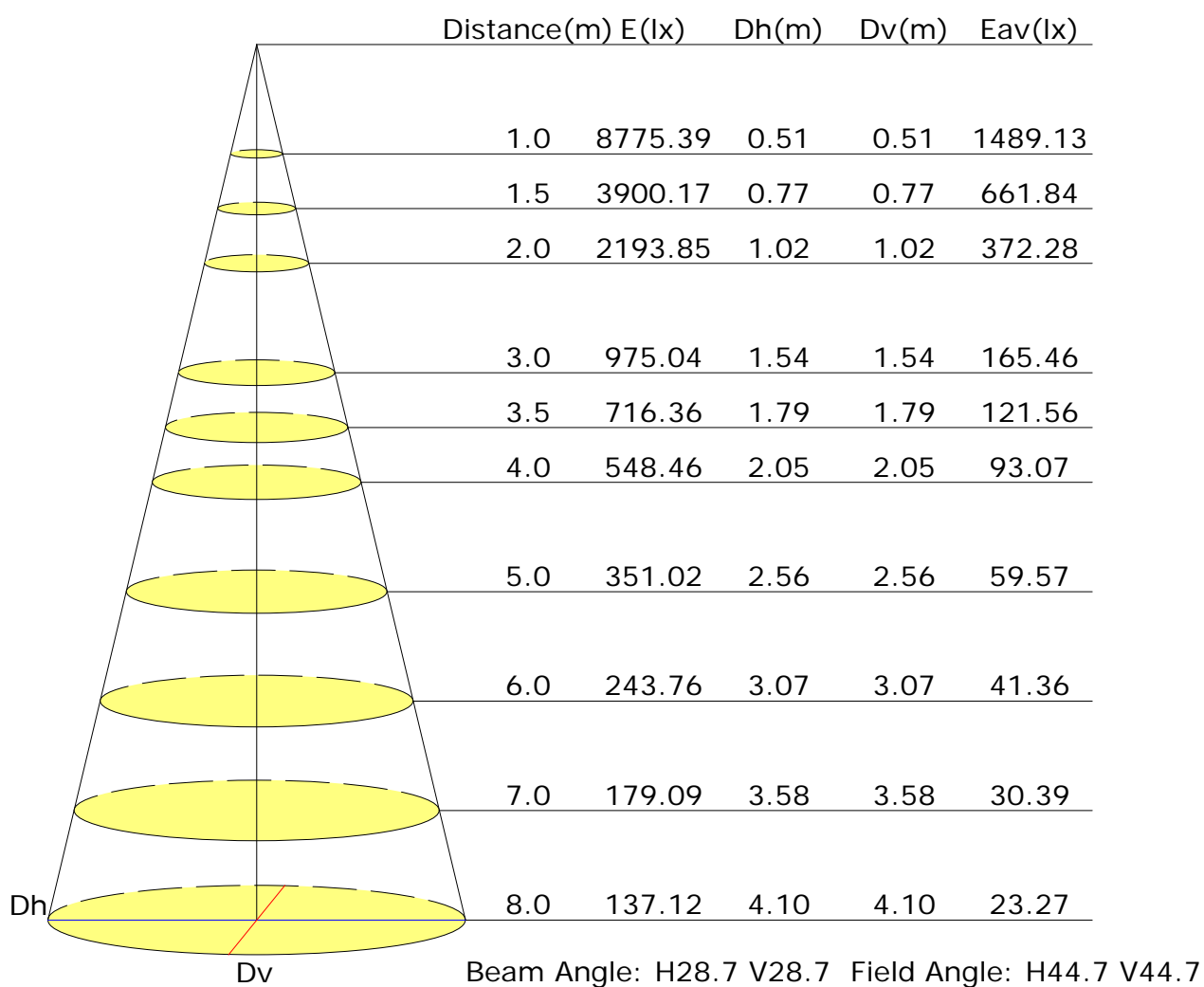
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

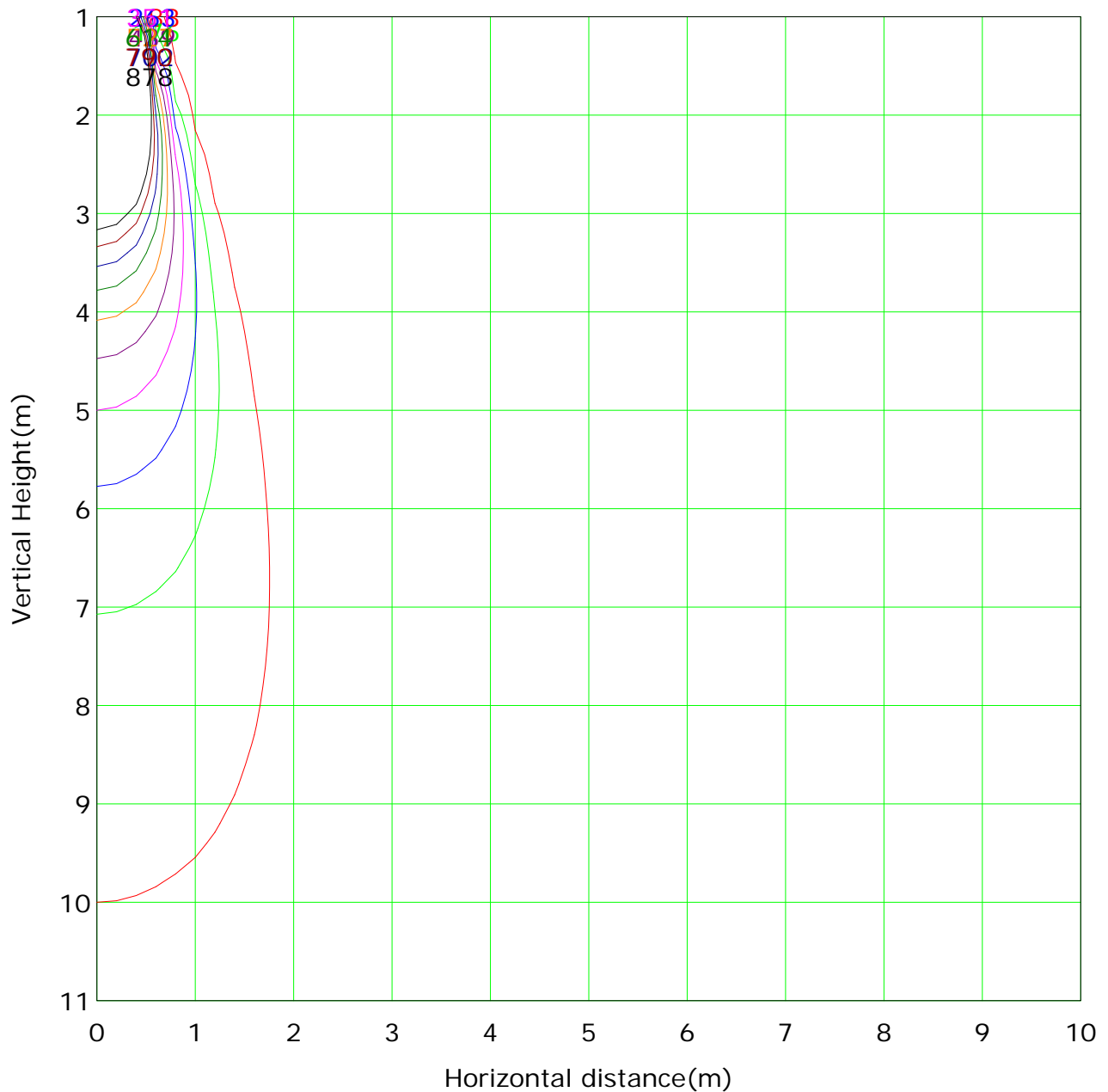
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 8775	
( 1%):    88 lx	( 2%):    176 lx
( 3%):    263 lx	( 4%):    351 lx
( 5%):    439 lx	( 6%):    527 lx
( 7%):    614 lx	( 8%):    702 lx
( 9%):    790 lx	(10%):    878 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

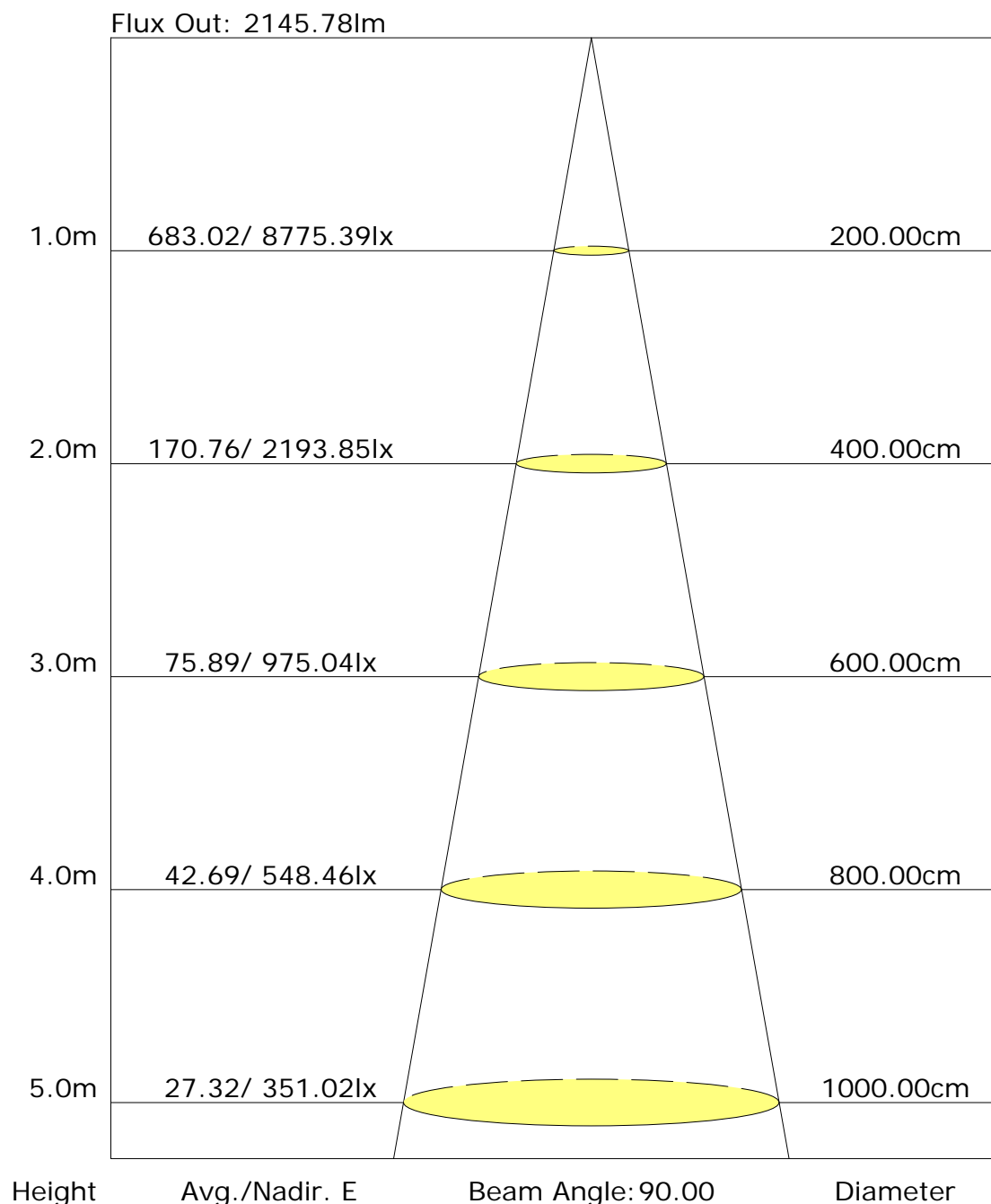
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## The average illuminance effective figure



## Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	8775.4	8775.4								
G1.0	8762.7	8742.0								
G2.0	8696.8	8675.1								
G3.0	8603.7	8577.5								
G4.0	8453.7	8440.1								
G5.0	8281.1	8269.3								
G6.0	8078.7	8058.8								
G7.0	7813.0	7801.3								
G8.0	7492.2	7477.7								
G9.0	7110.9	7124.4								
G10.0	6685.2	6719.6								
G11.0	6230.7	6236.1								
G12.0	5720.1	5714.7								
G13.0	5164.4	5159.9								
G14.0	4607.7	4591.5								
G15.0	4030.3	3996.0								
G16.0	3464.6	3413.1								
G17.0	2905.3	2854.6								
G18.0	2398.3	2346.8								
G19.0	1952.8	1902.2								
G20.0	1563.3	1519.0								
G21.0	1237.1	1200.1								
G22.0	972.3	938.9								
G23.0	756.4	730.2								
G24.0	595.5	574.7								
G25.0	473.5	459.1								
G26.0	383.1	373.2								
G27.0	317.2	310.0								
G28.0	266.6	260.3								
G29.0	225.9	222.3								
G30.0	192.5	190.7								
G31.0	166.3	164.5								
G32.0	141.9	143.7								
G33.0	123.8	125.6								
G34.0	109.3	111.2								
G35.0	95.8	97.6								
G36.0	87.7	86.8								

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	78.6	76.8								
G38.0	69.6	68.7								
G39.0	60.5	60.5								
G40.0	55.1	53.3								
G41.0	48.8	46.1								
G42.0	42.5	39.8								
G43.0	37.0	36.2								
G44.0	34.3	30.7								
G45.0	28.9	26.2								
G46.0	25.3	21.7								
G47.0	20.8	18.1								
G48.0	17.2	14.5								
G49.0	14.5	11.8								
G50.0	13.6	9.9								
G51.0	9.9	7.2								
G52.0	7.2	6.3								
G53.0	6.3	2.7								
G54.0	2.7	1.8								
G55.0	1.8	0.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
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:

## Unit: cd

Inspector: