

Report No.: 51.07513 Recessed Downlight Test Time: 2022-05-27 19:48

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 224.1 V

Current: 0.150 A

Power: 32.60 W

Power Factor: 0.962

Photometric Results

CIE Class: Direct

Measurement Flux: 2221 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(25%,50%,75%,100%): H47,H38.2,H29.2,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V47,V38.2,V29.2,V0

Luminaire Efficacy Rating (LER): 68

Max. Intensity: 5595.44 cd

Total Rated Lamp Lumens: 2221.0 lm

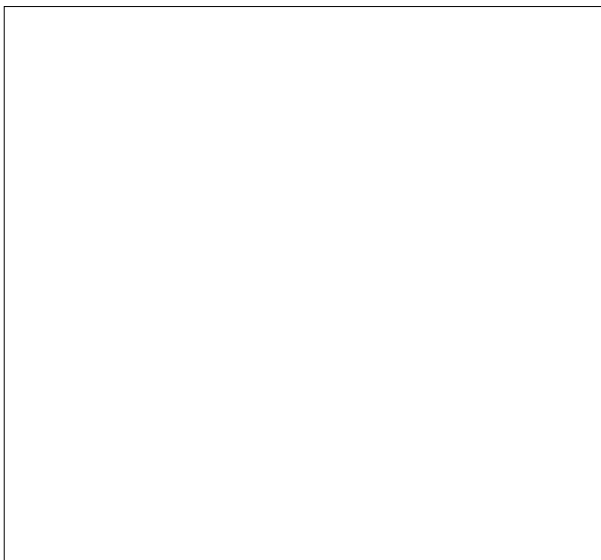
Efficiency: 100%

Upward Ratio: 0%

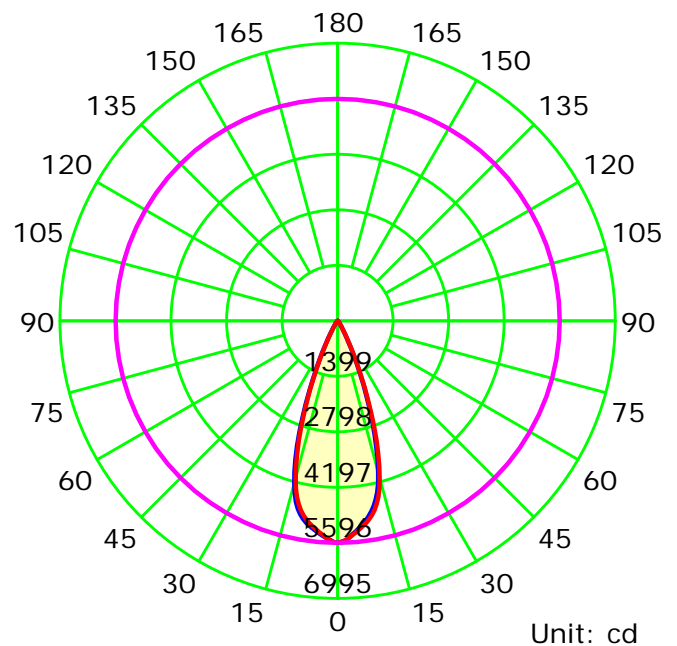
Central Intensity: 5595.43 cd

Pos of Max. Intensity: H0 V0

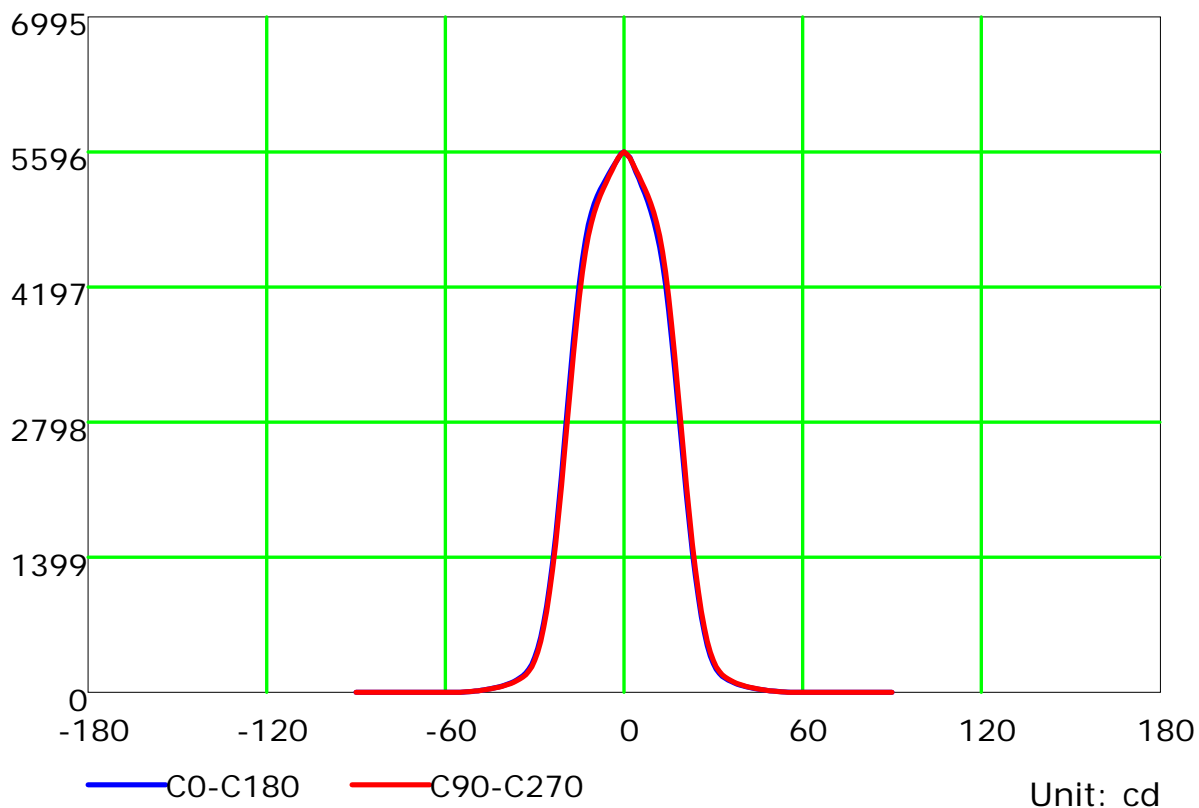
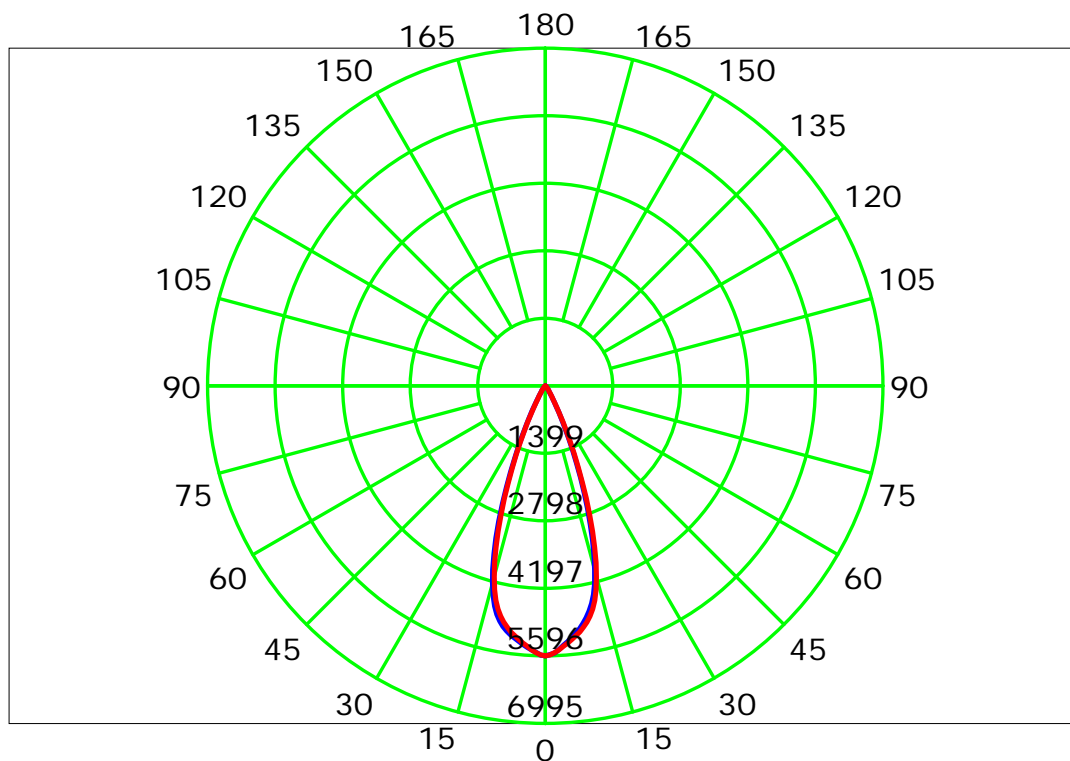
Picture Of Luminaire



Luminous Intensity Distribution Curve



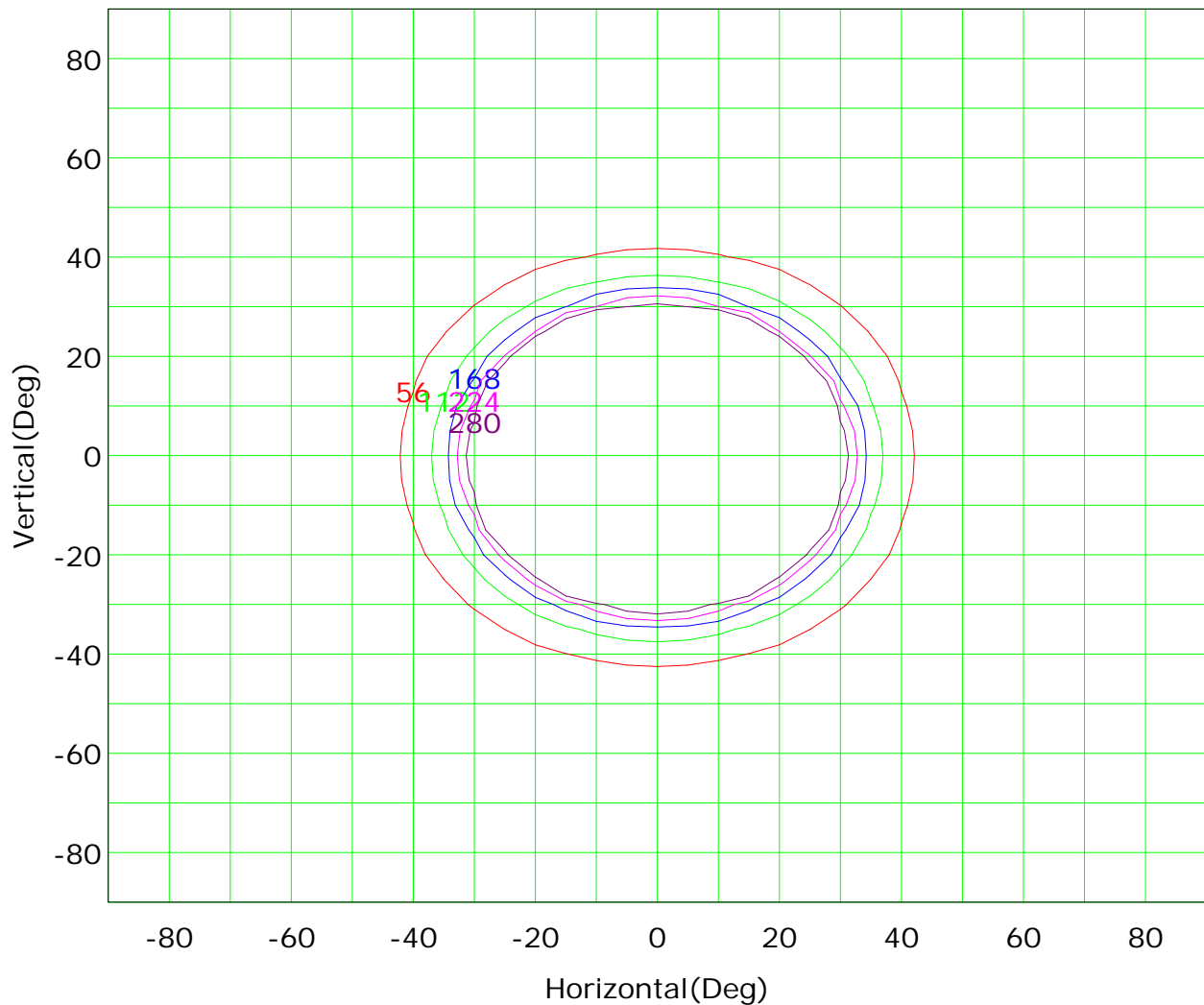
Luminous Intensity Distribution Curve



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%): 5595 cd

— (1%): 56 cd
— (3%): 168 cd
— (5%): 280 cd

— (2%): 112 cd
— (4%): 224 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

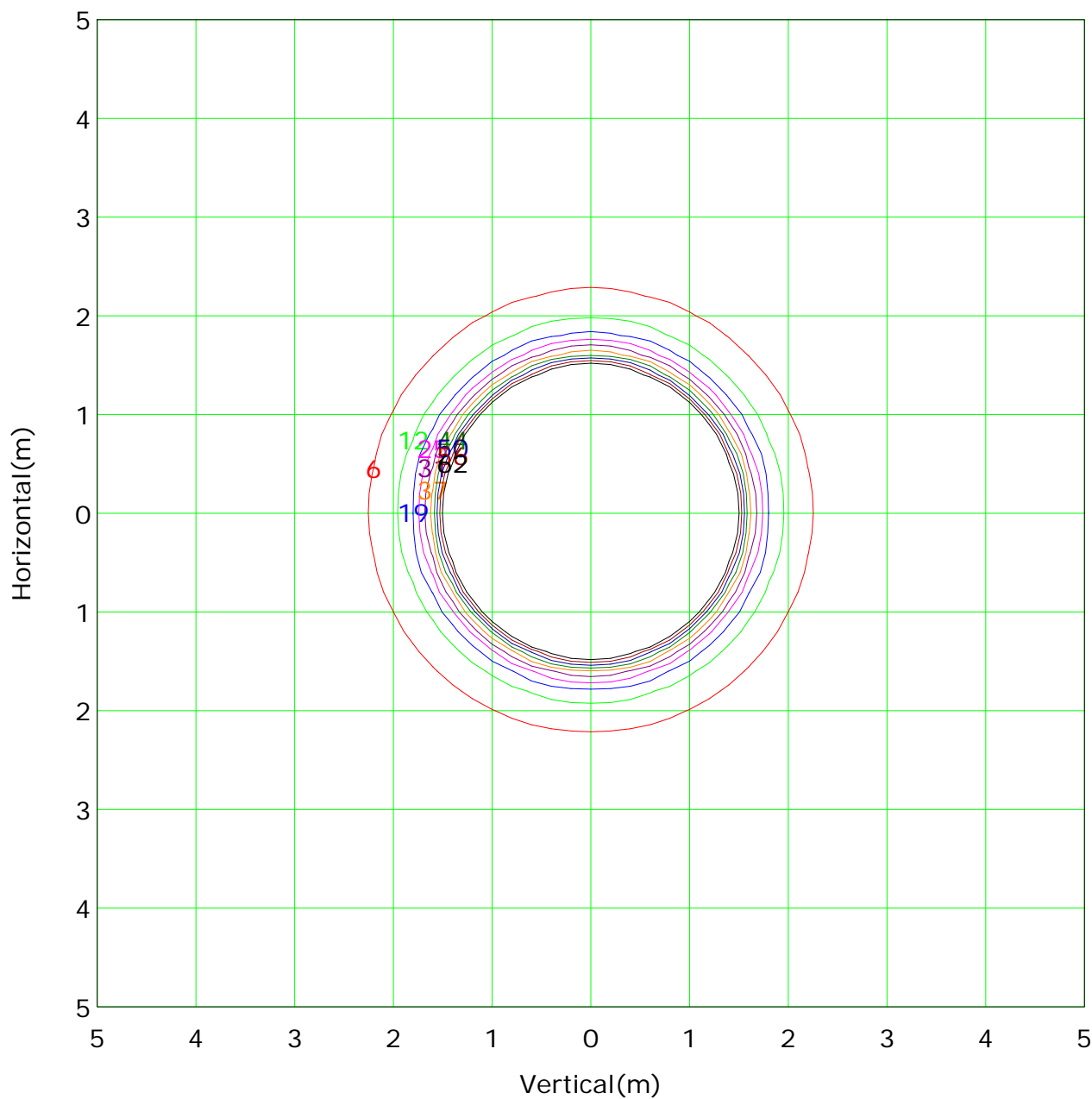
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m Max Lux(100%): 622 lx

(1%): 6 lx	(2%): 12 lx
(3%): 19 lx	(4%): 25 lx
(5%): 31 lx	(6%): 37 lx
(7%): 44 lx	(8%): 50 lx
(9%): 56 lx	(10%): 62 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

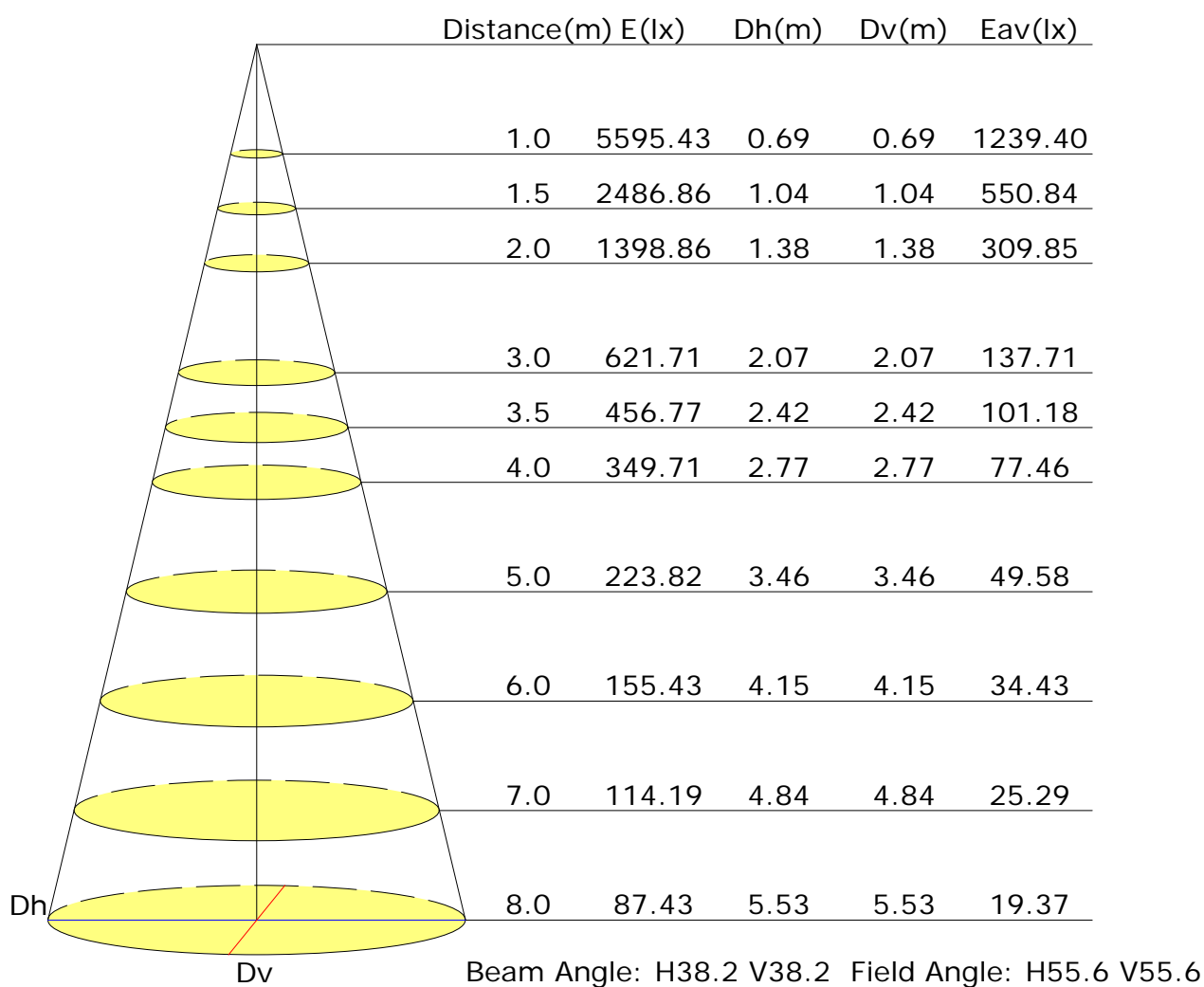
Test Device: CHL-6E

Distance: 3.000 m

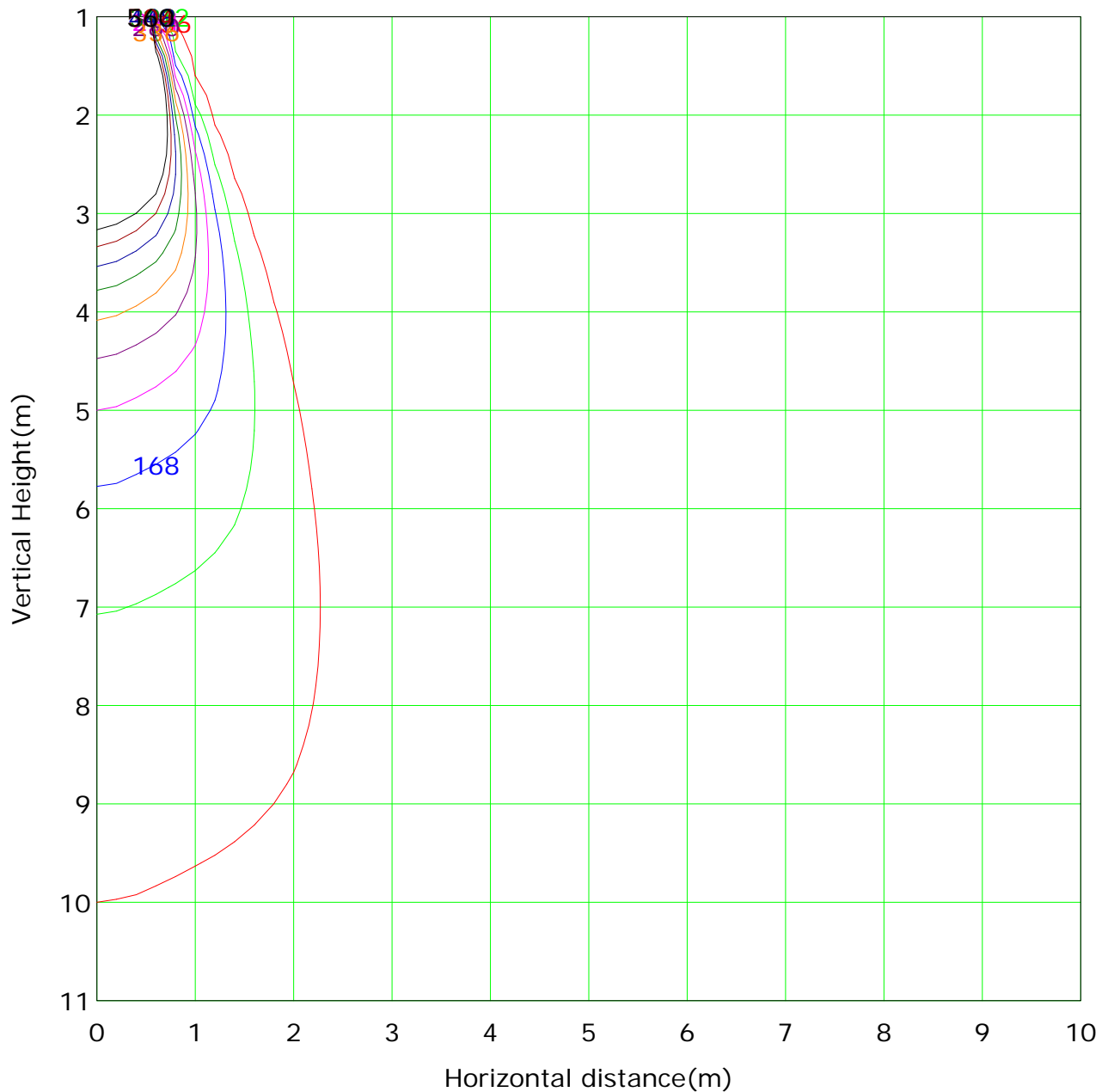
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 5595	
(1%): 56 lx	(2%): 112 lx
(3%): 168 lx	(4%): 224 lx
(5%): 280 lx	(6%): 336 lx
(7%): 392 lx	(8%): 448 lx
(9%): 504 lx	(10%): 560 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

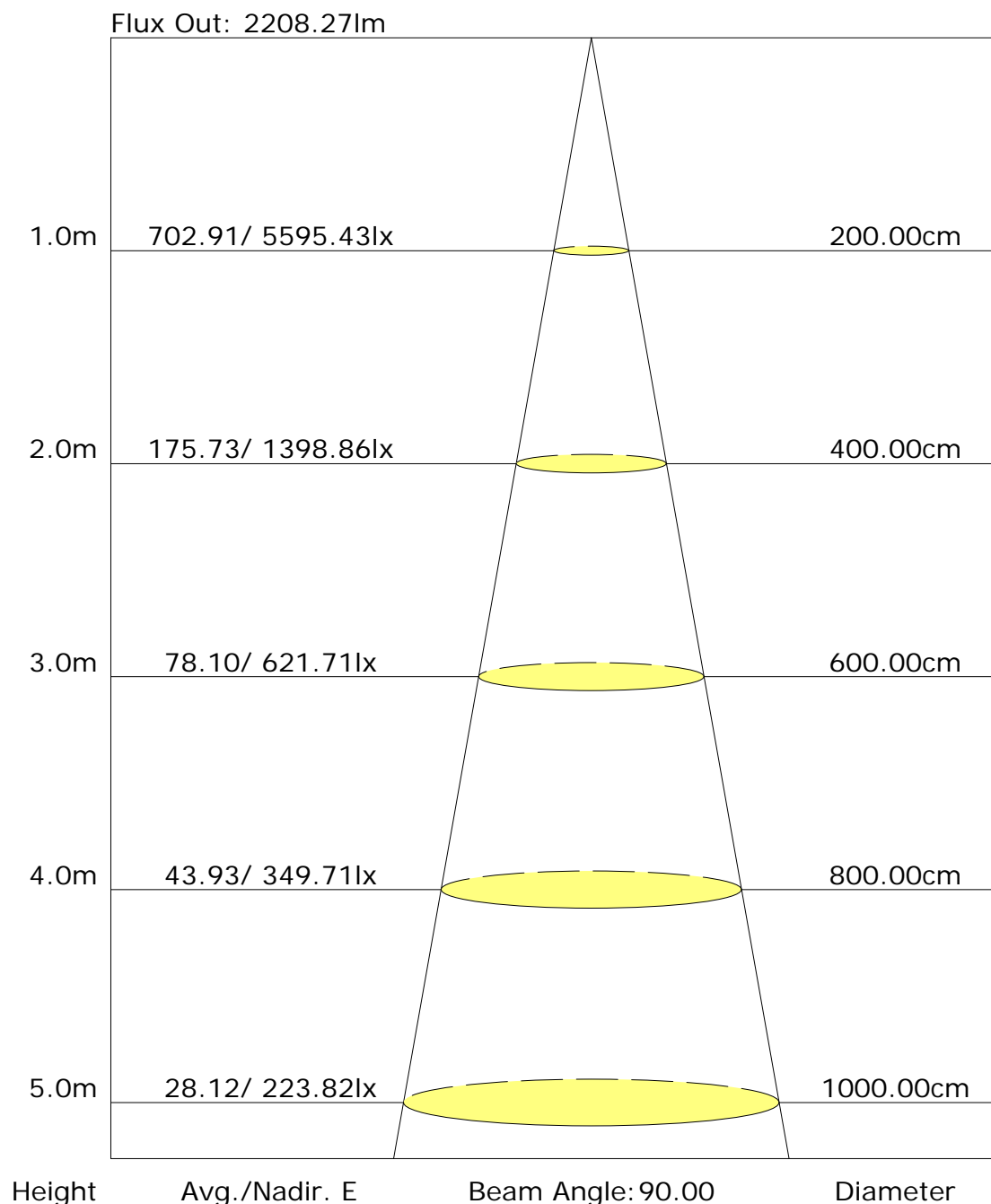
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	5595.4	5595.4								
G1.0	5567.4	5580.1								
G2.0	5539.4	5525.9								
G3.0	5470.7	5479.8								
G4.0	5389.4	5428.3								
G5.0	5321.6	5374.9								
G6.0	5242.1	5319.8								
G7.0	5167.1	5262.0								
G8.0	5085.8	5208.7								
G9.0	4987.3	5140.9								
G10.0	4878.8	5061.4								
G11.0	4755.9	4963.8								
G12.0	4610.4	4841.8								
G13.0	4436.0	4683.6								
G14.0	4221.0	4480.3								
G15.0	3952.6	4236.3								
G16.0	3665.2	3960.7								
G17.0	3348.0	3649.0								
G18.0	3024.5	3316.4								
G19.0	2695.6	2964.9								
G20.0	2361.3	2603.4								
G21.0	2035.9	2252.8								
G22.0	1734.1	1925.7								
G23.0	1454.0	1618.4								
G24.0	1203.7	1345.5								
G25.0	979.6	1102.5								
G26.0	783.5	896.4								
G27.0	620.8	719.3								
G28.0	485.3	572.9								
G29.0	377.7	455.4								
G30.0	299.1	362.4								
G31.0	239.5	289.2								
G32.0	198.8	239.5								
G33.0	167.2	200.6								
G34.0	146.4	171.7								
G35.0	127.4	150.0								
G36.0	113.0	130.1								

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	99.4	112.1								
G38.0	85.8	99.4								
G39.0	75.9	86.8								
G40.0	67.8	75.0								
G41.0	58.7	65.1								
G42.0	51.5	57.8								
G43.0	46.1	50.6								
G44.0	39.8	43.4								
G45.0	33.4	37.0								
G46.0	29.8	31.6								
G47.0	25.3	26.2								
G48.0	20.8	21.7								
G49.0	16.3	16.3								
G50.0	13.6	13.6								
G51.0	11.8	9.9								
G52.0	9.0	7.2								
G53.0	6.3	6.3								
G54.0	4.5	2.7								
G55.0	1.8	0.9								
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: