

Report No.:

Test Time: 2025-05-04 15:28

## Luminaire Property

Luminaire Category:

Luminaire Description: MINI PRO 51.04523 150 Voltage: 230.3

V Current: 0.067 A

Power: 8.40 W

Power Factor: 0.542

## Photometric Results

CIE Class: Direct

Measurement Flux: 575.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H16.9

Vertical Diffuse Angle(50%): V16.9

Luminaire Efficacy Rating (LER): 69

Max. Intensity: 4959.09 cd

Total Rated Lamp Lumens: 575.5 lm

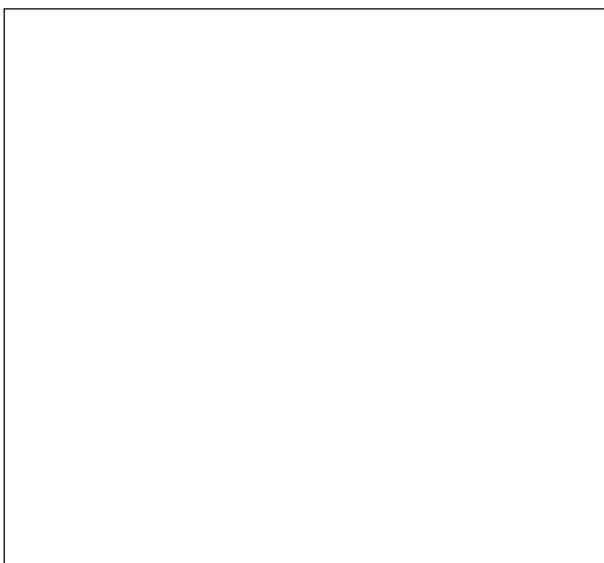
Efficiency: 100%

Upward Ratio: 0%

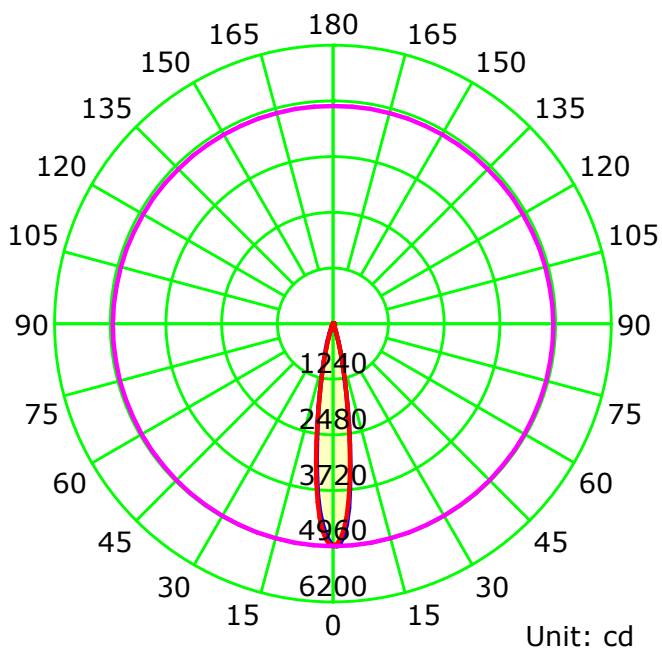
Central Intensity: 4939.53 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— 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

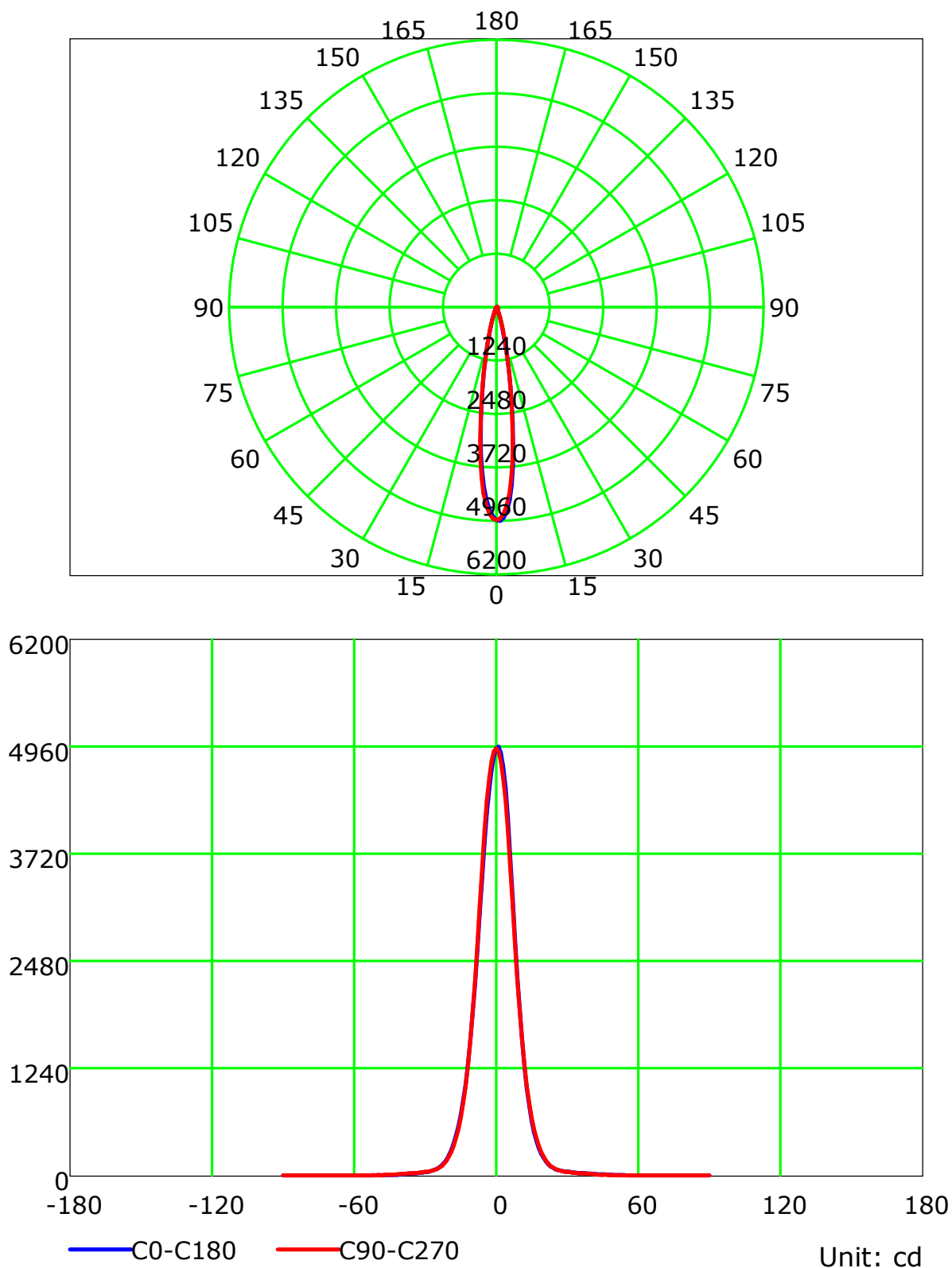
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

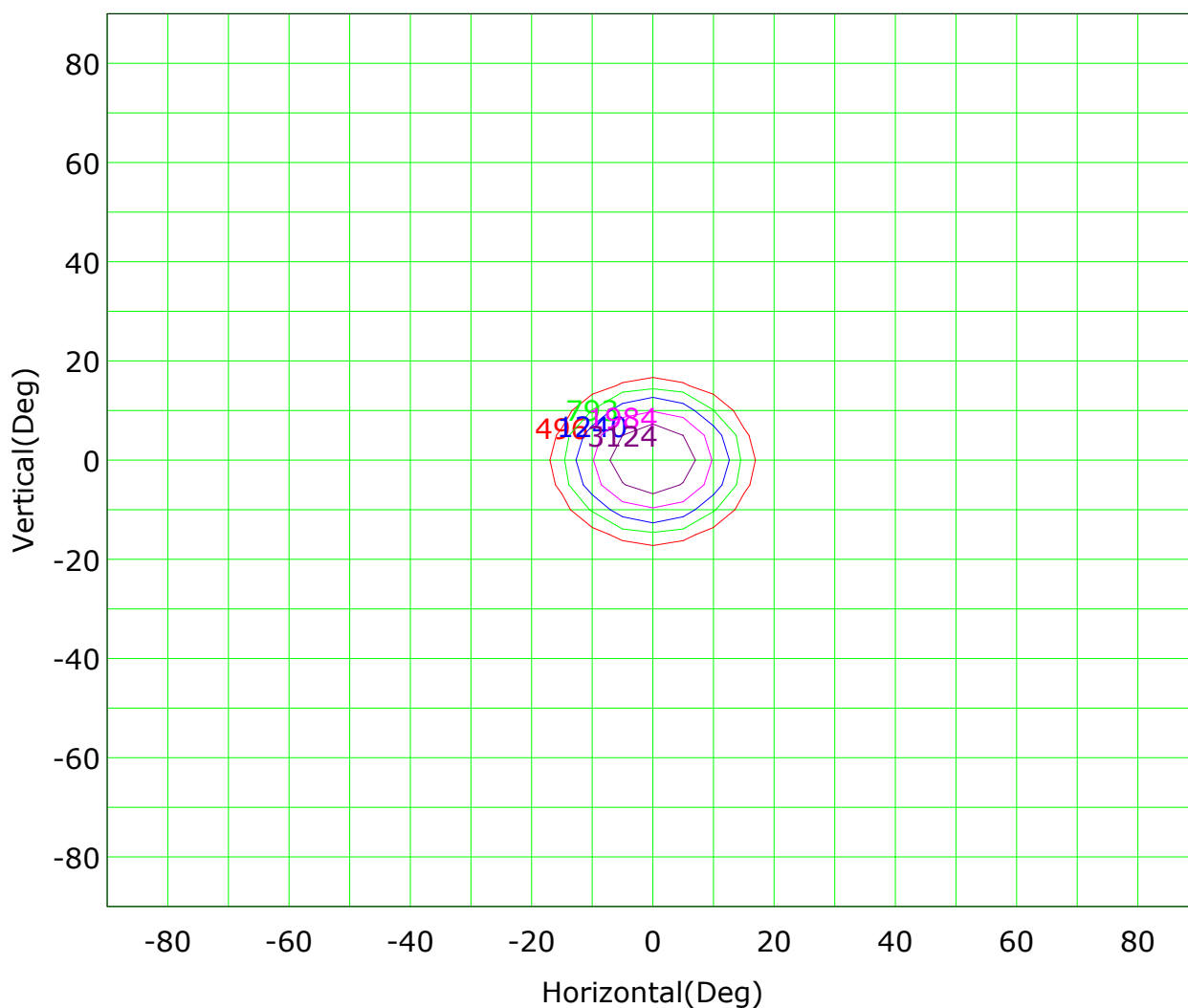
## Luminous Intensity Distribution Curve



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: 3.655 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 4959 cd

( 10%): 496 cd	( 16%): 793 cd
( 25%): 1240 cd	( 40%): 1984 cd
( 63%): 3124 cd	(100%): 4959 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

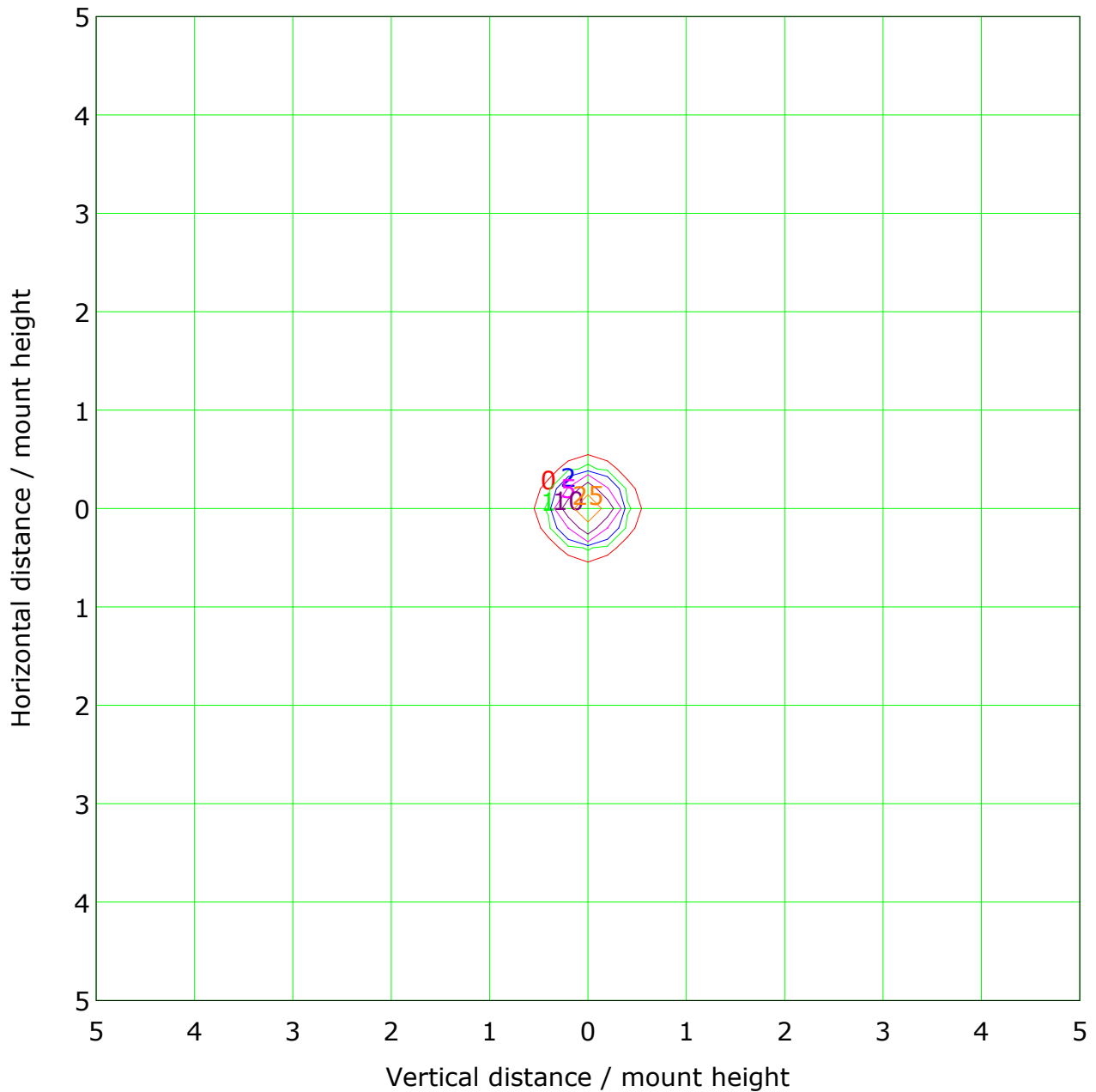
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 50 lx			
— ( 1%):	0 lx	— ( 2%):	1 lx
— ( 5%):	2 lx	— ( 10%):	5 lx
— ( 20%):	10 lx	— ( 50%):	25 lx
— (100%):	50 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

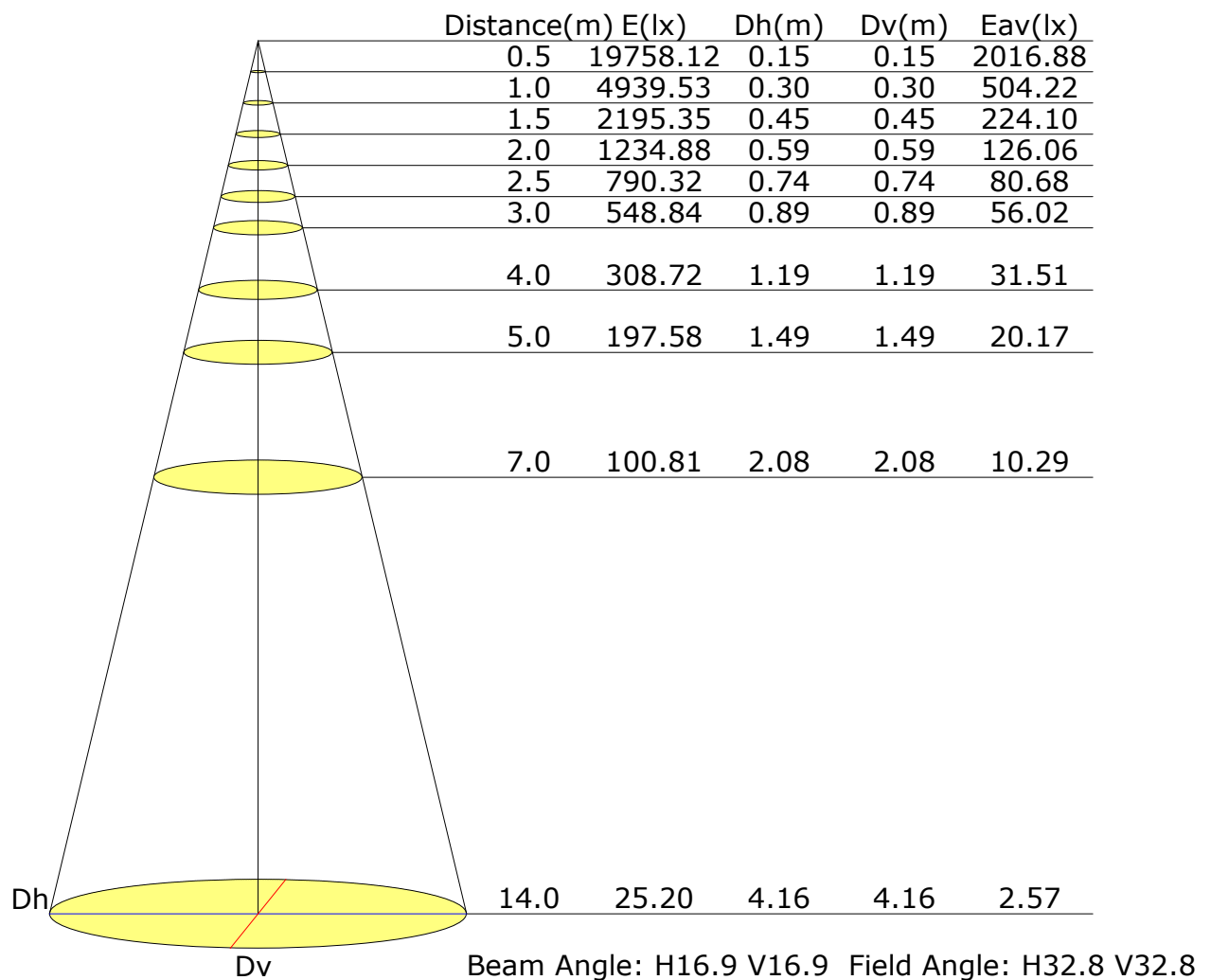
Test Device: CHL-6E

Distance: 3.655 m

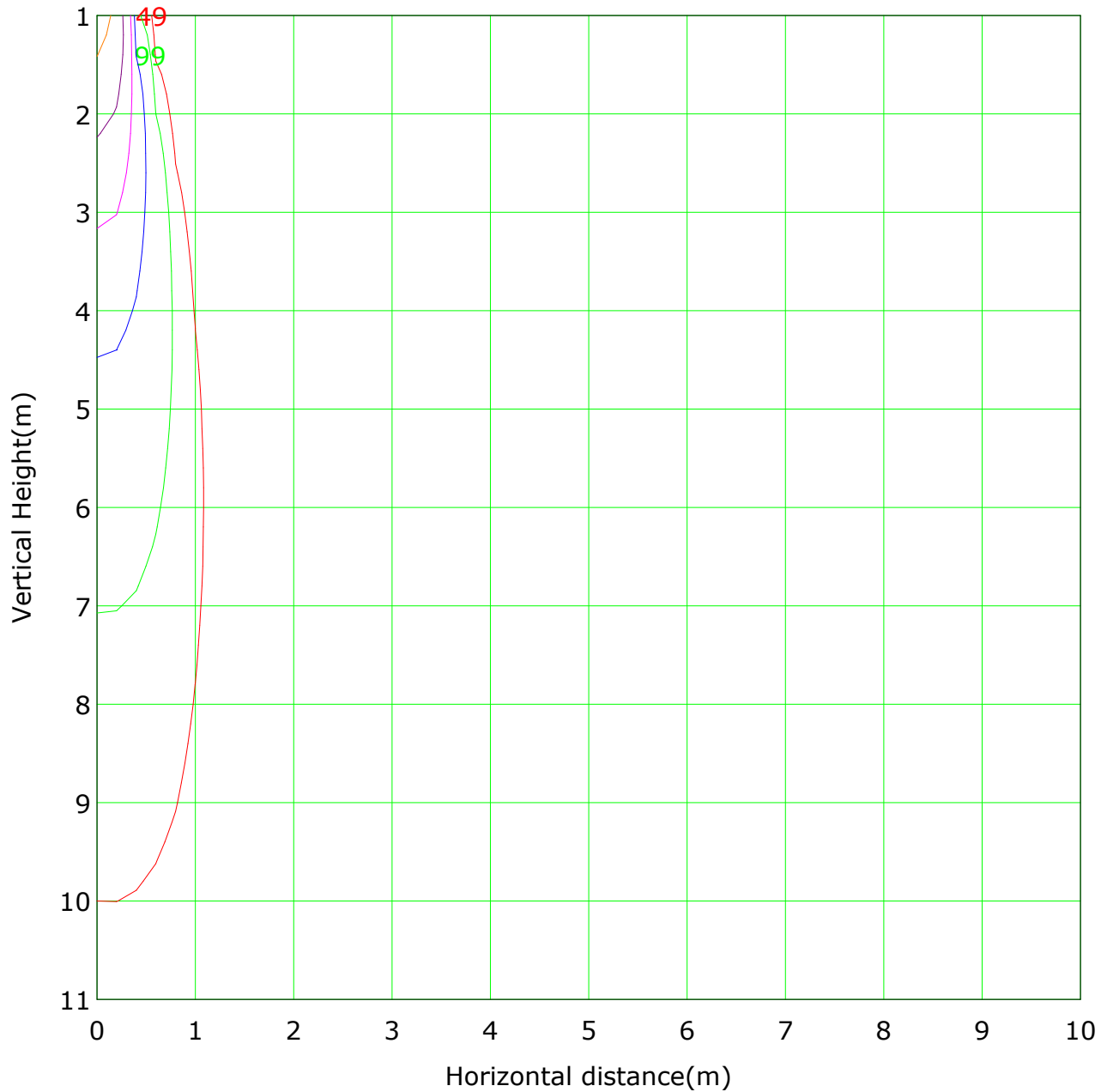
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



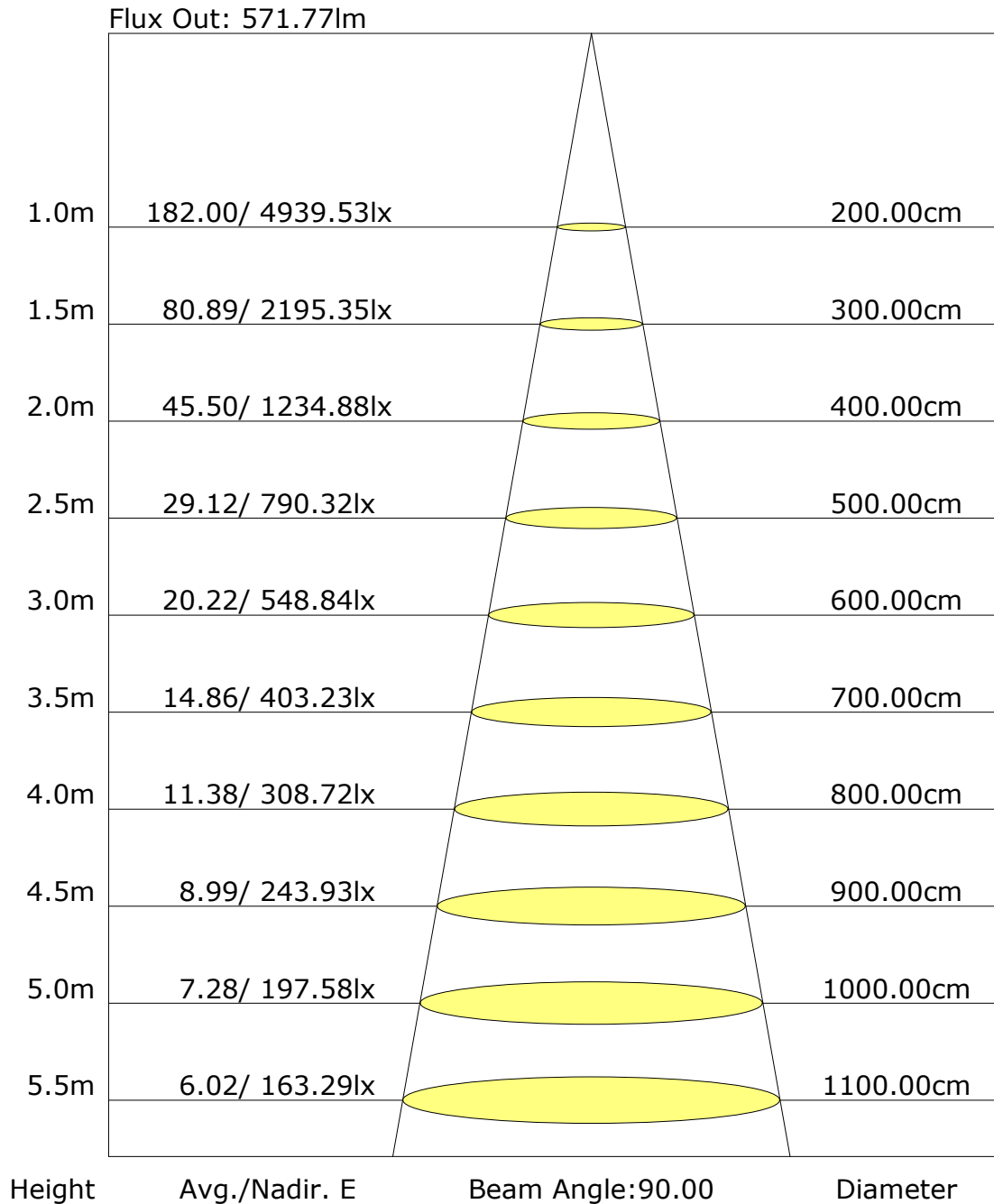
Lowest(m): 1m    Highest(m): 11    Max Lux: 4940

( 1%): 49 lx	( 2%): 99 lx
( 5%): 247 lx	( 10%): 494 lx
( 20%): 988 lx	( 50%): 2470 lx
(100%): 4940 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: 3.655 m  
Humidity:  
Inspector:

## The average illuminance effective figure



## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	4922.2	4.7	4.7	0.82	0.82
1.0-2.0	4848.6	13.9	18.6	2.42	3.24
2.0-3.0	4698.2	22.5	41.1	3.91	7.14
3.0-4.0	4470.0	29.9	71.0	5.20	12.34
4.0-5.0	4160.6	35.8	106.8	6.22	18.56
5.0-6.0	3774.6	39.7	146.5	6.89	25.46
6.0-7.0	3335.5	41.4	187.9	7.20	32.65
7.0-8.0	2885.5	41.3	229.2	7.18	39.83
8.0-9.0	2458.1	39.8	269.0	6.92	46.75
9.0-10.0	2066.4	37.4	306.4	6.50	53.25
10.0-11.0	1717.6	34.3	340.8	5.96	59.22
11.0-12.0	1413.8	30.9	371.7	5.37	64.59
12.0-13.0	1152.2	27.3	399.0	4.75	69.34
13.0-14.0	932.6	23.9	422.9	4.15	73.49
14.0-15.0	752.6	20.7	443.6	3.59	77.08
15.0-16.0	605.6	17.7	461.3	3.08	80.17
16.0-17.0	485.3	15.1	476.4	2.63	82.79
17.0-18.0	387.9	12.8	489.2	2.22	85.02
18.0-19.0	310.5	10.8	500.0	1.88	86.89
19.0-20.0	247.4	9.1	509.1	1.57	88.47
20.0-21.0	196.2	7.5	516.6	1.31	89.78
21.0-22.0	156.4	6.3	522.9	1.09	90.87
22.0-23.0	125.2	5.3	528.2	0.91	91.78
23.0-24.0	101.9	4.5	532.6	0.77	92.55
24.0-25.0	83.8	3.8	536.4	0.66	93.22
25.0-26.0	70.3	3.3	539.7	0.58	93.79
26.0-27.0	61.3	3.0	542.7	0.52	94.32
27.0-28.0	53.4	2.7	545.4	0.47	94.78
28.0-29.0	46.6	2.4	547.9	0.42	95.21
29.0-30.0	42.5	2.3	550.2	0.40	95.61
30.0-31.0	39.8	2.2	552.4	0.39	95.99
31.0-32.0	36.5	2.1	554.5	0.36	96.36
32.0-33.0	33.1	1.9	556.4	0.34	96.69
33.0-34.0	30.1	1.8	558.3	0.32	97.01
34.0-35.0	27.4	1.7	560.0	0.30	97.31
35.0-36.0	25.6	1.6	561.6	0.28	97.59

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: 3.655 m  
Humidity:  
Inspector:



## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	24.8	1.6	563.2	0.28	97.87
37.0-38.0	23.3	1.6	564.8	0.27	98.14
38.0-39.0	19.9	1.4	566.1	0.24	98.38
39.0-40.0	18.4	1.3	567.4	0.22	98.60
40.0-41.0	16.9	1.2	568.6	0.21	98.81
41.0-42.0	13.5	1.0	569.6	0.17	98.98
42.0-43.0	11.3	0.8	570.4	0.15	99.13
43.0-44.0	9.4	0.7	571.1	0.12	99.25
44.0-45.0	8.3	0.6	571.8	0.11	99.36
45.0-46.0	8.6	0.7	572.5	0.12	99.48
46.0-47.0	8.3	0.7	573.1	0.11	99.59
47.0-48.0	6.0	0.5	573.6	0.08	99.68
48.0-49.0	4.5	0.4	574.0	0.06	99.74
49.0-50.0	4.1	0.3	574.3	0.06	99.80
50.0-51.0	3.0	0.3	574.6	0.04	99.84
51.0-52.0	2.6	0.2	574.8	0.04	99.88
52.0-53.0	2.6	0.2	575.0	0.04	99.92
53.0-54.0	1.9	0.2	575.2	0.03	99.95
54.0-55.0	1.1	0.1	575.3	0.02	99.97
55.0-56.0	0.8	0.1	575.4	0.01	99.98
56.0-57.0	0.8	0.1	575.4	0.01	99.99
57.0-58.0	0.4	0.0	575.5	0.01	100.00
58.0-59.0	0.0	0.0	575.5	0.00	100.00
59.0-60.0	0.0	0.0	575.5	0.00	100.00
60.0-61.0	0.0	0.0	575.5	0.00	100.00
61.0-62.0	0.0	0.0	575.5	0.00	100.00
62.0-63.0	0.0	0.0	575.5	0.00	100.00
63.0-64.0	0.0	0.0	575.5	0.00	100.00
64.0-65.0	0.0	0.0	575.5	0.00	100.00
65.0-66.0	0.0	0.0	575.5	0.00	100.00
66.0-67.0	0.0	0.0	575.5	0.00	100.00
67.0-68.0	0.0	0.0	575.5	0.00	100.00
68.0-69.0	0.0	0.0	575.5	0.00	100.00
69.0-70.0	0.0	0.0	575.5	0.00	100.00
70.0-71.0	0.0	0.0	575.5	0.00	100.00
71.0-72.0	0.0	0.0	575.5	0.00	100.00

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: 3.655 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.655 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	4939.5	4939.5								
G1.0	4959.1	4850.8								
G2.0	4889.9	4694.4								
G3.0	4732.0	4476.4								
G4.0	4480.9	4190.7								
G5.0	4127.5	3843.4								
G6.0	3681.0	3446.4								
G7.0	3192.3	3022.4								
G8.0	2723.1	2604.3								
G9.0	2291.6	2213.4								
G10.0	1900.6	1860.0								
G11.0	1556.3	1553.3								
G12.0	1258.6	1287.1								
G13.0	1006.0	1057.1								
G14.0	801.5	866.1								
G15.0	636.0	706.7								
G16.0	505.2	574.4								
G17.0	398.5	463.1								
G18.0	317.3	372.9								
G19.0	255.6	296.2								
G20.0	204.5	233.1								
G21.0	162.4	184.9								
G22.0	130.8	147.4								
G23.0	103.8	118.8								
G24.0	88.7	96.2								
G25.0	72.2	78.2								
G26.0	64.7	66.2								
G27.0	57.1	57.1								
G28.0	51.1	48.1								
G29.0	46.6	40.6								
G30.0	43.6	39.1								
G31.0	42.1	34.6								
G32.0	36.1	33.1								
G33.0	34.6	28.6								
G34.0	31.6	25.6								
G35.0	28.6	24.1								
G36.0	27.1	22.5								

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: 3.655 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	27.1	22.5								
G38.0	24.1	19.5								
G39.0	22.5	13.5								
G40.0	22.5	15.0								
G41.0	19.5	10.5								
G42.0	16.5	7.5								
G43.0	13.5	7.5								
G44.0	12.0	4.5								
G45.0	12.0	4.5								
G46.0	12.0	6.0								
G47.0	10.5	4.5								
G48.0	7.5	1.5								
G49.0	7.5	1.5								
G50.0	4.5	3.0								
G51.0	4.5	0.0								
G52.0	4.5	1.5								
G53.0	4.5	0.0								
G54.0	3.0	0.0								
G55.0	1.5	0.0								
G56.0	1.5	0.0								
G57.0	1.5	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: 3.655 m

Humidity:

Inspector:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.655 m  
Humidity:  
Inspector: