

Report No.:95.04511 Surface Mounted Light      Test Time: 2024-09-29 20:46

## Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.081 A

Power Factor: 0.618

Voltage: 231.6 V

Power: 11.70 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 984.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H23.3

Vertical Diffuse Angle(50%): V23.3

Luminaire Efficacy Rating (LER): 84

Max. Intensity: 4198.69 cd

Total Rated Lamp Lumens: 984.7 lm

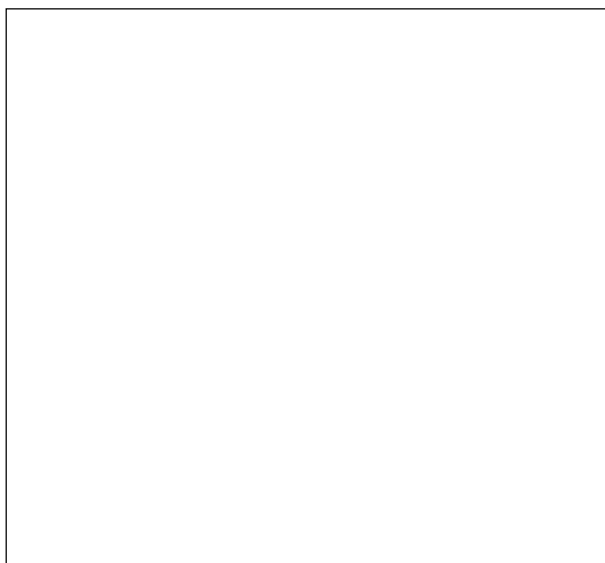
Efficiency: 100%

Upward Ratio: 0%

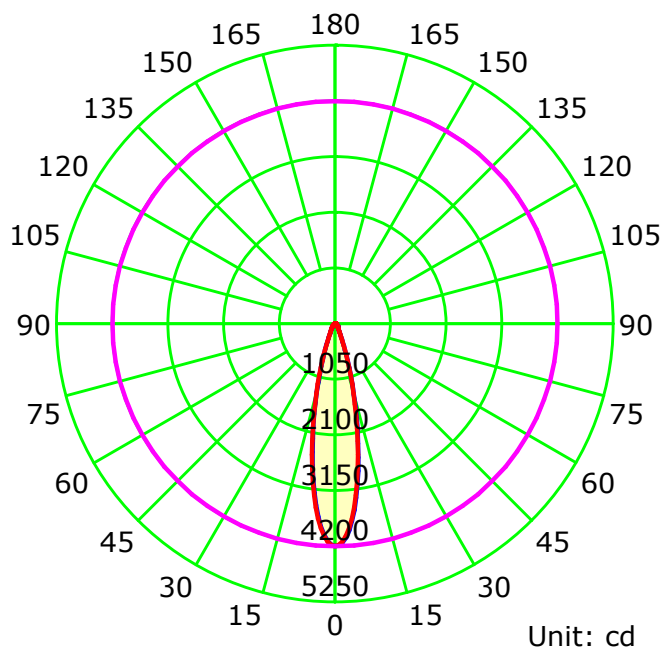
Central Intensity: 4198.69 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— 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

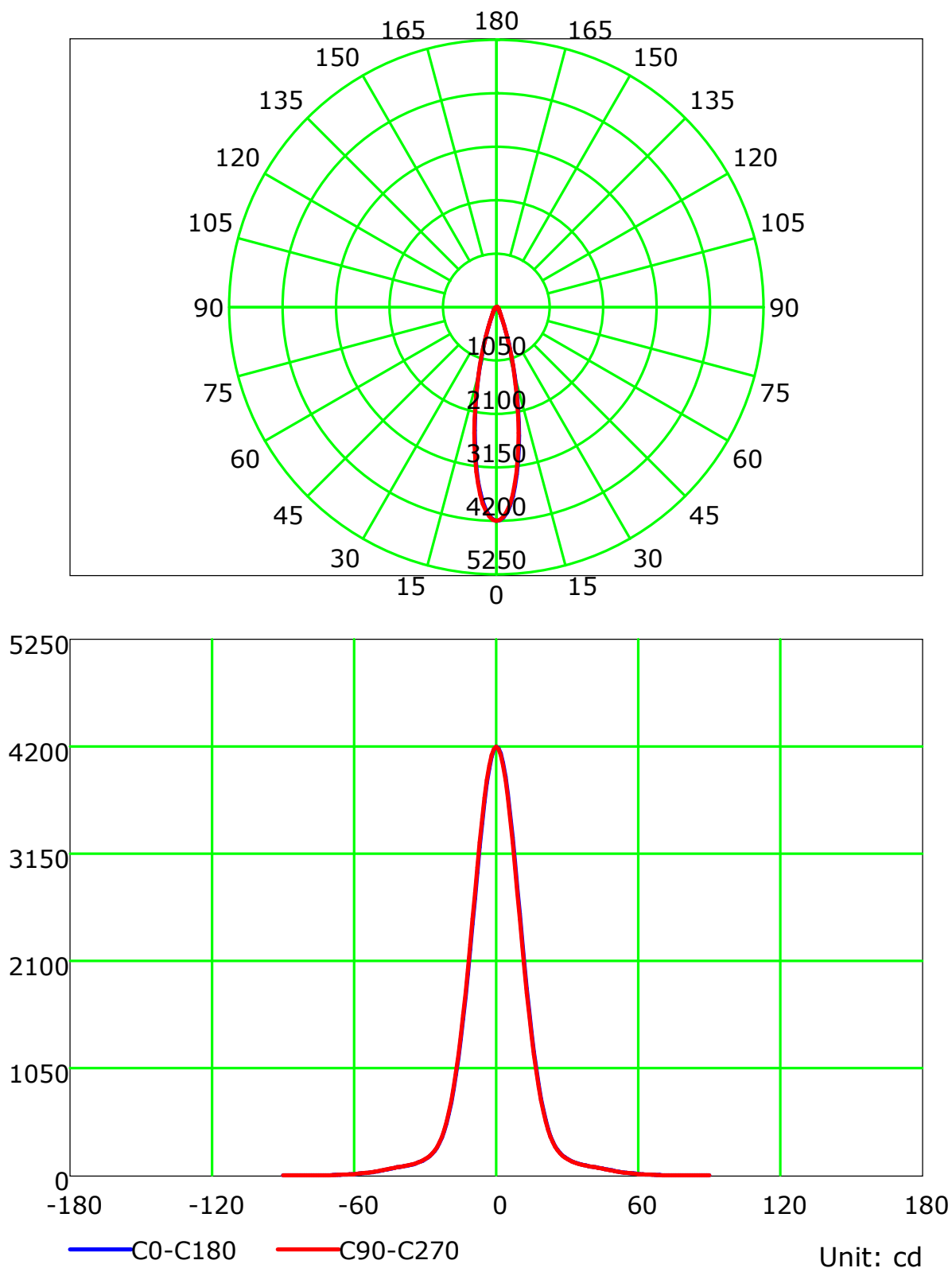
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

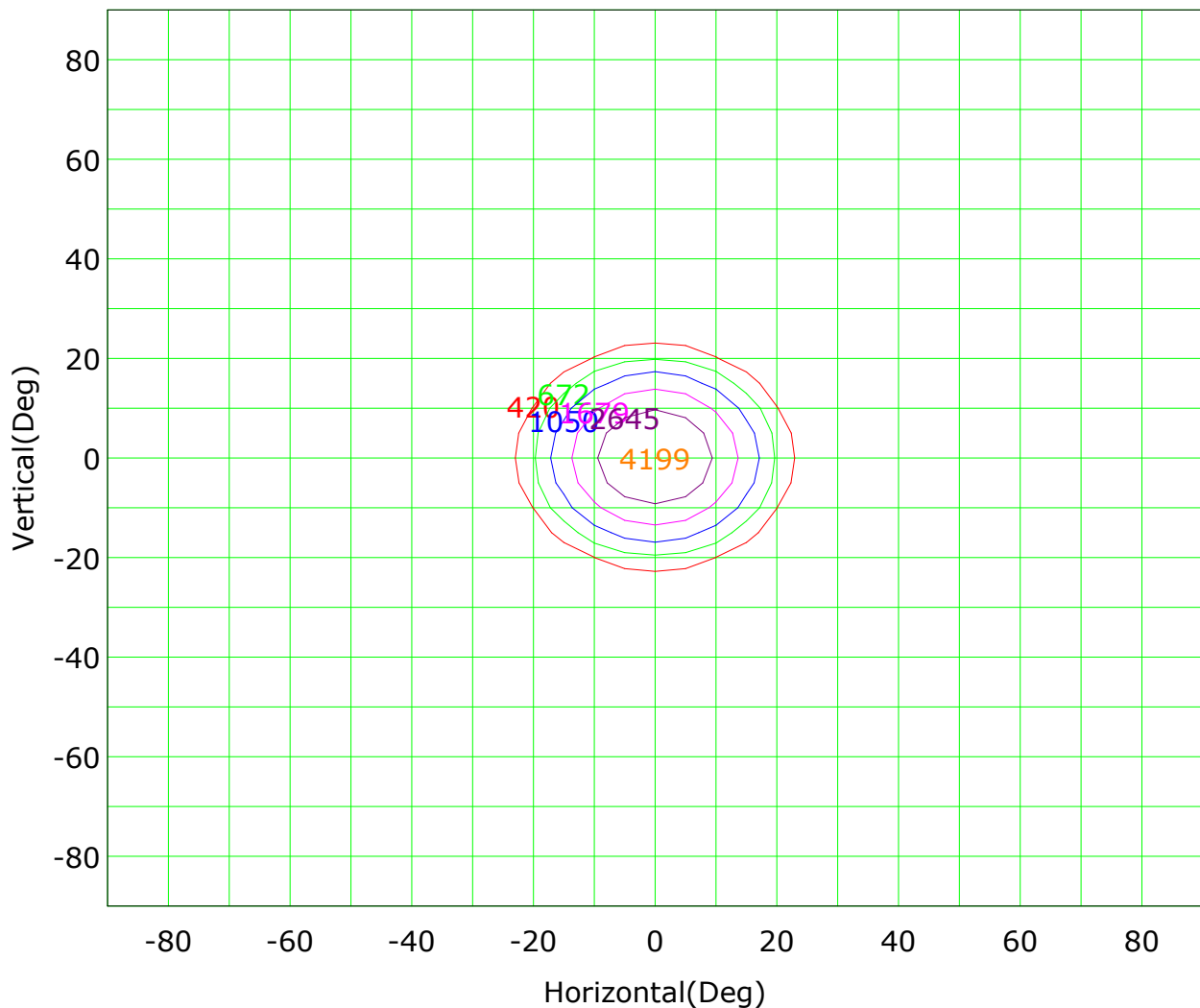
## Luminous Intensity Distribution Curve



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: 3.328 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 4199 cd

( 10%): 420 cd	( 16%): 672 cd
( 25%): 1050 cd	( 40%): 1679 cd
( 63%): 2645 cd	(100%): 4199 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

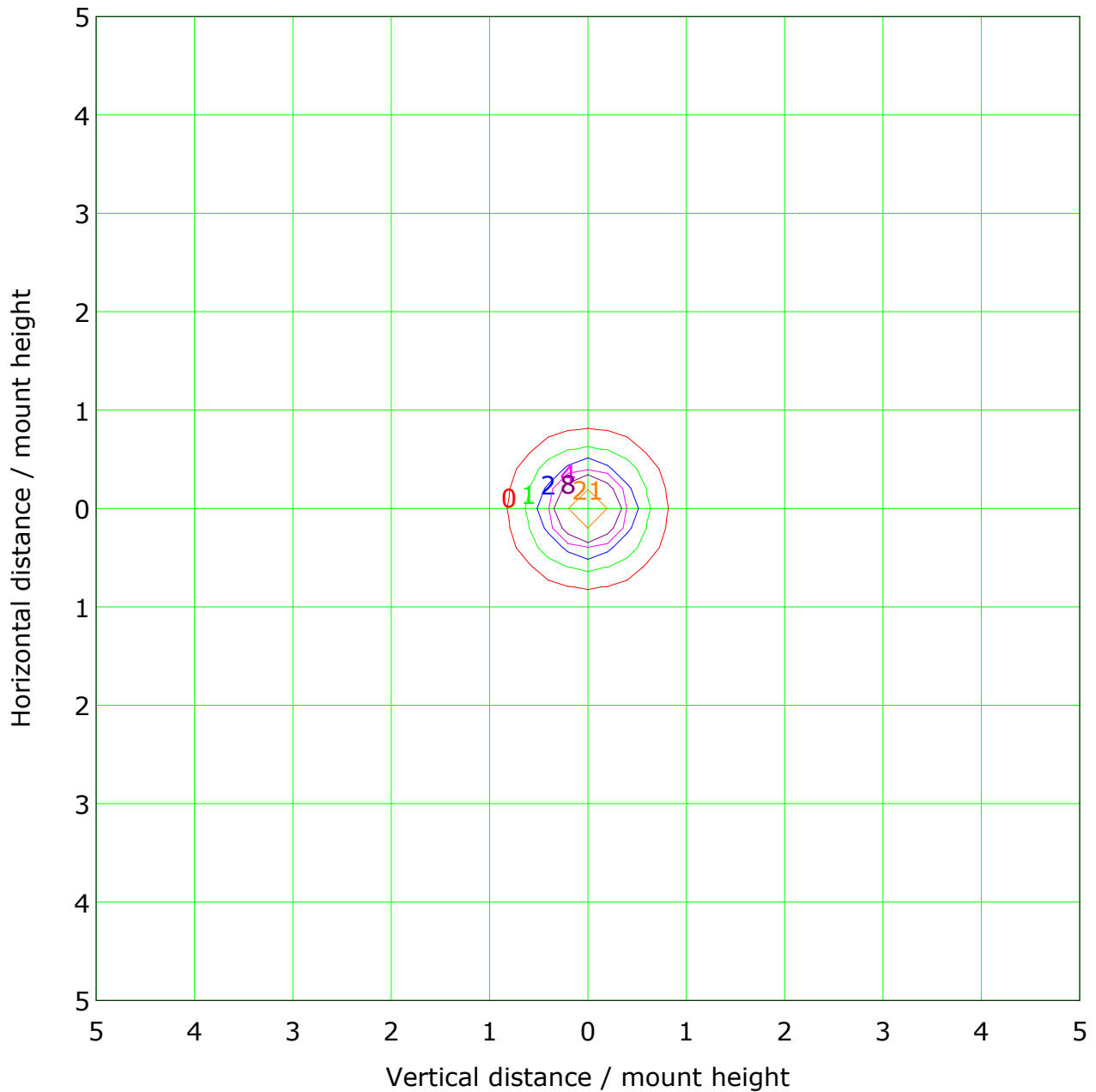
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 42 lx	
( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	4 lx
( 20%):	8 lx	( 50%):	21 lx
(100%):	42 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

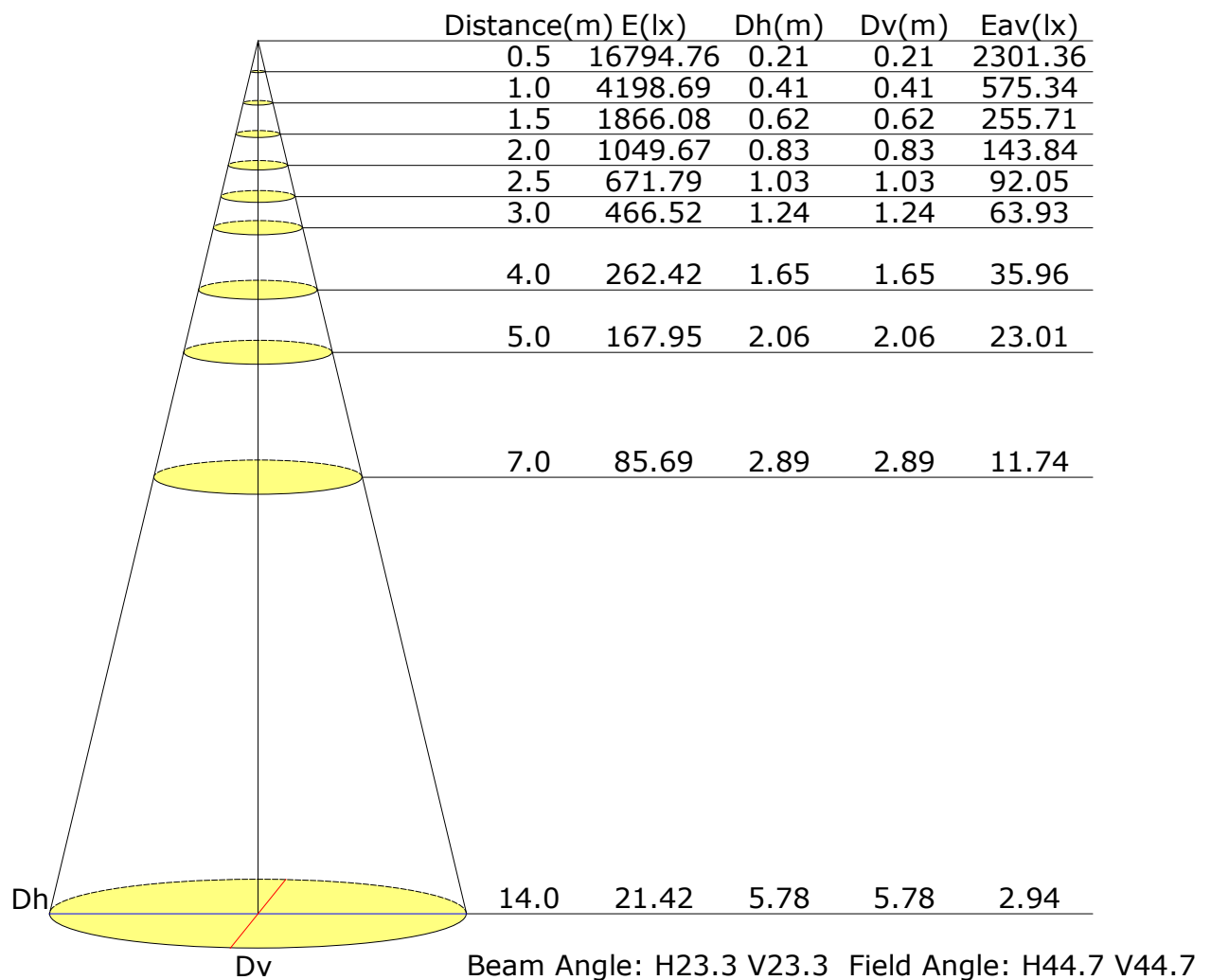
Test Device: CHL-6E

Distance: 3.328 m

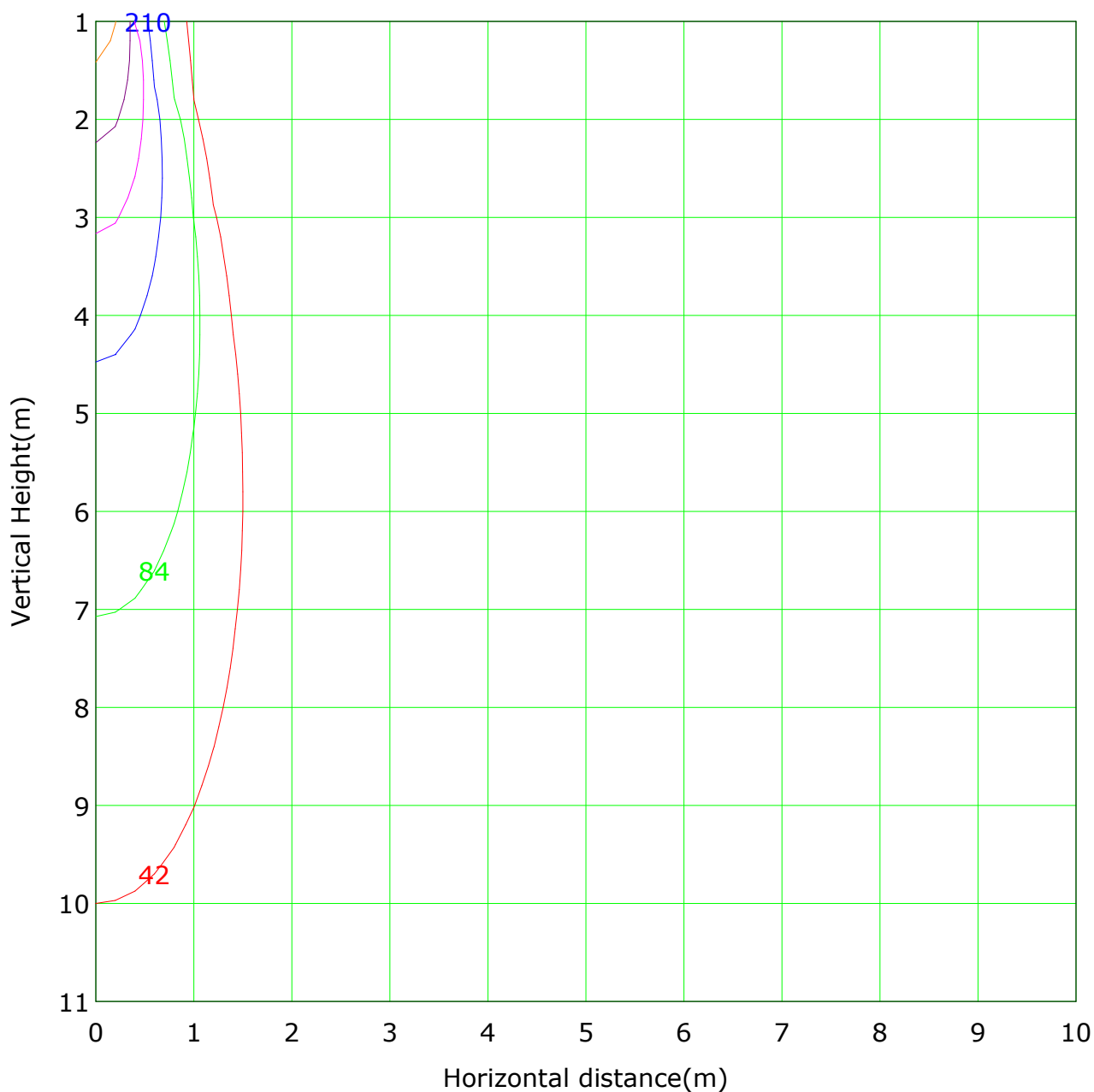
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



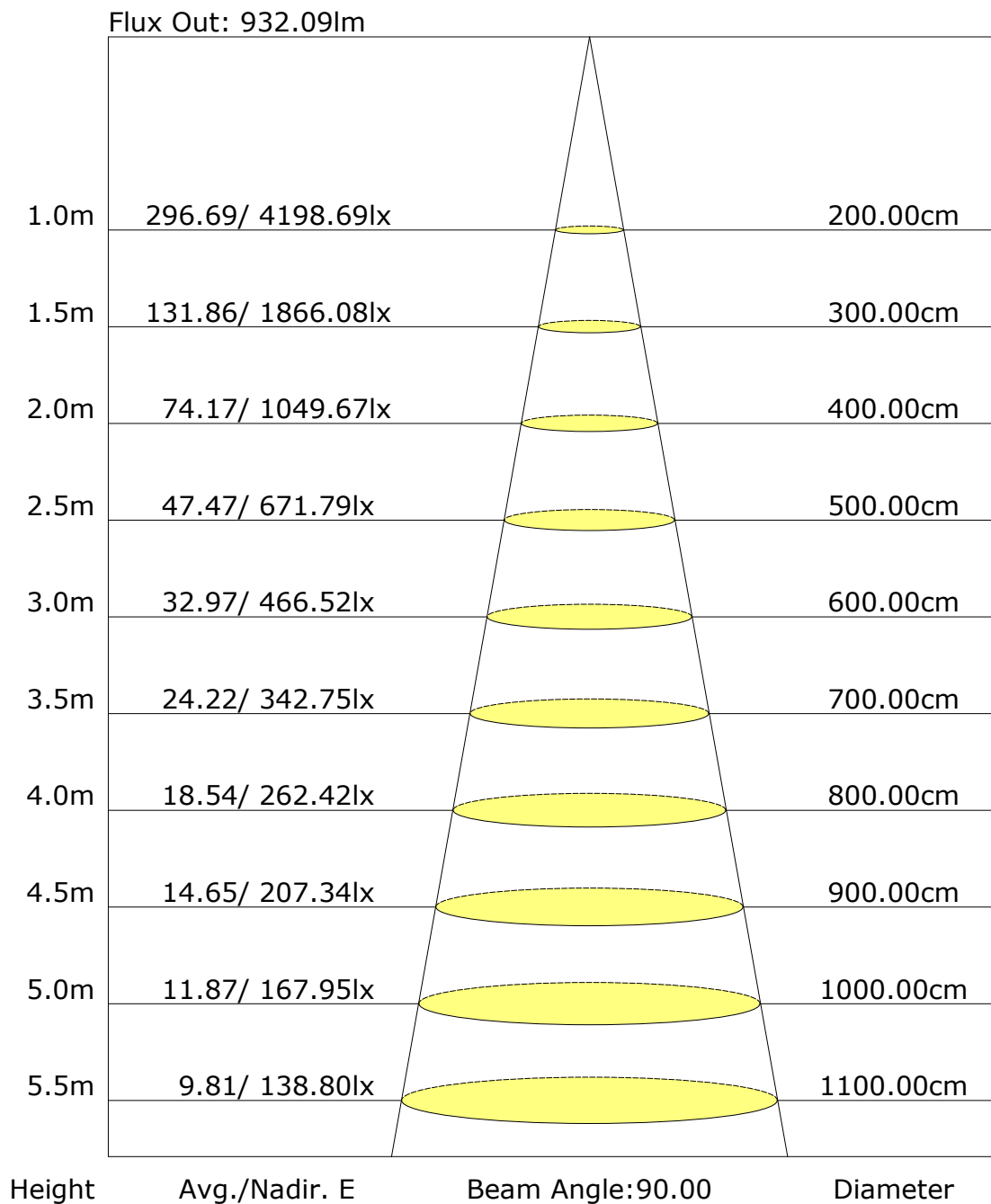
Lowest(m): 1m Highest(m): 11 Max Lux: 4199

( 1%): 42 lx	( 2%): 84 lx
( 5%): 210 lx	( 10%): 420 lx
( 20%): 840 lx	( 50%): 2099 lx
(100%): 4199 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: 3.328 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: 3.328 m  
Humidity:  
Inspector:

## 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	4187.5	4.0	4.0	0.41	0.41
1.0-2.0	4145.1	11.9	15.9	1.21	1.62
2.0-3.0	4062.8	19.4	35.3	1.97	3.59
3.0-4.0	3941.3	26.4	61.7	2.68	6.27
4.0-5.0	3782.9	32.5	94.3	3.31	9.57
5.0-6.0	3591.9	37.8	132.0	3.83	13.41
6.0-7.0	3374.4	41.9	173.9	4.25	17.66
7.0-8.0	3137.8	44.9	218.8	4.56	22.22
8.0-9.0	2889.7	46.8	265.7	4.76	26.98
9.0-10.0	2637.9	47.7	313.4	4.85	31.83
10.0-11.0	2386.1	47.7	361.1	4.84	36.67
11.0-12.0	2139.6	46.8	407.9	4.75	41.42
12.0-13.0	1903.0	45.2	453.0	4.59	46.01
13.0-14.0	1677.7	42.9	496.0	4.36	50.37
14.0-15.0	1467.9	40.3	536.3	4.09	54.46
15.0-16.0	1275.0	37.4	573.7	3.79	58.26
16.0-17.0	1098.3	34.2	607.9	3.47	61.73
17.0-18.0	940.0	31.0	638.9	3.15	64.88
18.0-19.0	800.0	27.8	666.7	2.83	67.70
19.0-20.0	677.5	24.8	691.5	2.52	70.22
20.0-21.0	572.5	22.0	713.5	2.23	72.46
21.0-22.0	484.3	19.5	733.0	1.98	74.43
22.0-23.0	410.5	17.2	750.2	1.75	76.18
23.0-24.0	349.7	15.3	765.5	1.55	77.73
24.0-25.0	300.8	13.7	779.1	1.39	79.12
25.0-26.0	261.5	12.3	791.5	1.25	80.38
26.0-27.0	230.0	11.3	802.7	1.14	81.52
27.0-28.0	204.1	10.3	813.1	1.05	82.57
28.0-29.0	184.5	9.7	822.7	0.98	83.55
29.0-30.0	168.6	9.1	831.8	0.92	84.47
30.0-31.0	154.0	8.6	840.4	0.87	85.34
31.0-32.0	142.1	8.1	848.6	0.83	86.17
32.0-33.0	132.8	7.8	856.4	0.79	86.97
33.0-34.0	124.0	7.5	863.9	0.76	87.73
34.0-35.0	115.9	7.2	871.1	0.73	88.46
35.0-36.0	109.1	6.9	878.0	0.71	89.16

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: 3.328 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	103.2	6.7	884.8	0.68	89.85
37.0-38.0	98.2	6.6	891.3	0.67	90.51
38.0-39.0	93.2	6.4	897.7	0.65	91.16
39.0-40.0	88.2	6.2	903.8	0.62	91.78
40.0-41.0	84.1	6.0	909.8	0.61	92.39
41.0-42.0	81.0	5.9	915.7	0.60	92.99
42.0-43.0	77.0	5.7	921.4	0.58	93.57
43.0-44.0	72.3	5.5	926.9	0.55	94.12
44.0-45.0	67.9	5.2	932.1	0.53	94.65
45.0-46.0	62.6	4.9	937.0	0.50	95.15
46.0-47.0	58.3	4.6	941.6	0.47	95.62
47.0-48.0	53.9	4.4	946.0	0.44	96.07
48.0-49.0	49.2	4.0	950.0	0.41	96.48
49.0-50.0	44.3	3.7	953.7	0.37	96.85
50.0-51.0	39.6	3.3	957.1	0.34	97.19
51.0-52.0	35.8	3.1	960.1	0.31	97.50
52.0-53.0	31.8	2.8	962.9	0.28	97.78
53.0-54.0	28.7	2.5	965.4	0.26	98.04
54.0-55.0	26.5	2.4	967.8	0.24	98.28
55.0-56.0	24.0	2.2	970.0	0.22	98.50
56.0-57.0	21.2	1.9	971.9	0.20	98.70
57.0-58.0	19.6	1.8	973.7	0.18	98.88
58.0-59.0	17.8	1.7	975.4	0.17	99.05
59.0-60.0	14.3	1.4	976.7	0.14	99.19
60.0-61.0	11.8	1.1	977.9	0.11	99.30
61.0-62.0	11.2	1.1	979.0	0.11	99.41
62.0-63.0	10.6	1.0	980.0	0.10	99.52
63.0-64.0	9.7	0.9	980.9	0.10	99.61
64.0-65.0	8.7	0.9	981.8	0.09	99.70
65.0-66.0	7.5	0.7	982.5	0.08	99.78
66.0-67.0	6.5	0.7	983.2	0.07	99.84
67.0-68.0	5.3	0.5	983.7	0.05	99.90
68.0-69.0	4.4	0.4	984.2	0.05	99.94
69.0-70.0	3.1	0.3	984.5	0.03	99.98
70.0-71.0	1.6	0.2	984.7	0.02	99.99
71.0-72.0	0.6	0.1	984.7	0.01	100.00

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
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Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	4198.7	4198.7								
G1.0	4183.7	4168.8								
G2.0	4131.4	4096.5								
G3.0	4036.6	3986.8								
G4.0	3903.2	3838.4								
G5.0	3733.7	3656.4								
G6.0	3531.7	3445.7								
G7.0	3308.6	3211.4								
G8.0	3068.0	2963.3								
G9.0	2816.2	2711.4								
G10.0	2564.4	2459.6								
G11.0	2307.5	2212.8								
G12.0	2063.2	1974.7								
G13.0	1827.6	1746.6								
G14.0	1605.7	1530.9								
G15.0	1398.7	1336.4								
G16.0	1210.5	1154.4								
G17.0	1039.7	988.6								
G18.0	887.6	844.0								
G19.0	753.0	715.6								
G20.0	637.0	604.6								
G21.0	538.5	509.9								
G22.0	453.8	435.1								
G23.0	384.0	369.0								
G24.0	329.1	316.6								
G25.0	284.2	273.0								
G26.0	249.3	239.4								
G27.0	219.4	211.9								
G28.0	195.7	189.5								
G29.0	179.5	173.3								
G30.0	163.3	158.3								
G31.0	149.6	144.6								
G32.0	139.6	134.6								
G33.0	129.6	127.2								
G34.0	122.2	117.2								
G35.0	114.7	109.7								
G36.0	108.5	103.5								

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: 3.328 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	102.2	98.5								
G38.0	98.5	93.5								
G39.0	91.0	89.8								
G40.0	86.0	86.0								
G41.0	83.5	81.0								
G42.0	79.8	79.8								
G43.0	74.8	73.6								
G44.0	71.1	69.8								
G45.0	67.3	63.6								
G46.0	61.1	58.6								
G47.0	57.3	56.1								
G48.0	53.6	48.6								
G49.0	49.9	44.9								
G50.0	42.4	39.9								
G51.0	38.7	37.4								
G52.0	34.9	32.4								
G53.0	29.9	29.9								
G54.0	28.7	26.2								
G55.0	26.2	24.9								
G56.0	22.4	22.4								
G57.0	20.0	20.0								
G58.0	20.0	18.7								
G59.0	18.7	13.7								
G60.0	13.7	11.2								
G61.0	11.2	11.2								
G62.0	11.2	11.2								
G63.0	10.0	10.0								
G64.0	10.0	8.7								
G65.0	7.5	8.7								
G66.0	7.5	6.2								
G67.0	6.2	6.2								
G68.0	3.7	5.0								
G69.0	5.0	3.7								
G70.0	2.5	1.3								
G71.0	1.3	1.3								
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: 3.328 m

Humidity:

Inspector:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector: