

Report No.: 22.02012 Enko Profile Systems Test Time: 2024-10-06 16:32

## Luminaire Property

Luminaire Category:

Length (mm): 586

Voltage: 227.7 V

Power: 21.10 W

Width (mm): 20

Current: 0.097 A

Power Factor: 0.950

## Photometric Results

CIE Class: Direct

Measurement Flux: 1439 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H47.9

Vertical Diffuse Angle(50%): V47.9

Luminaire Efficacy Rating (LER): 68

Max. Intensity: 2306.41 cd

Total Rated Lamp Lumens: 1439.0 lm

Efficiency: 100%

Upward Ratio: 0%

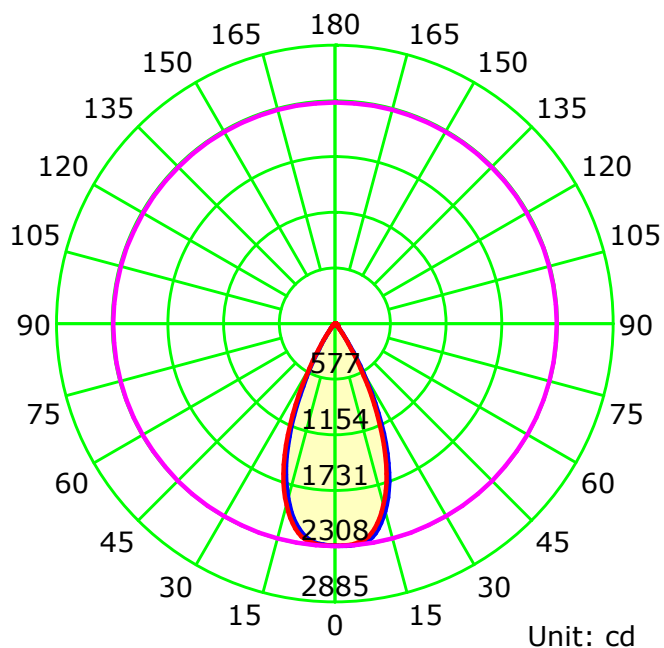
Central Intensity: 2301.19 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

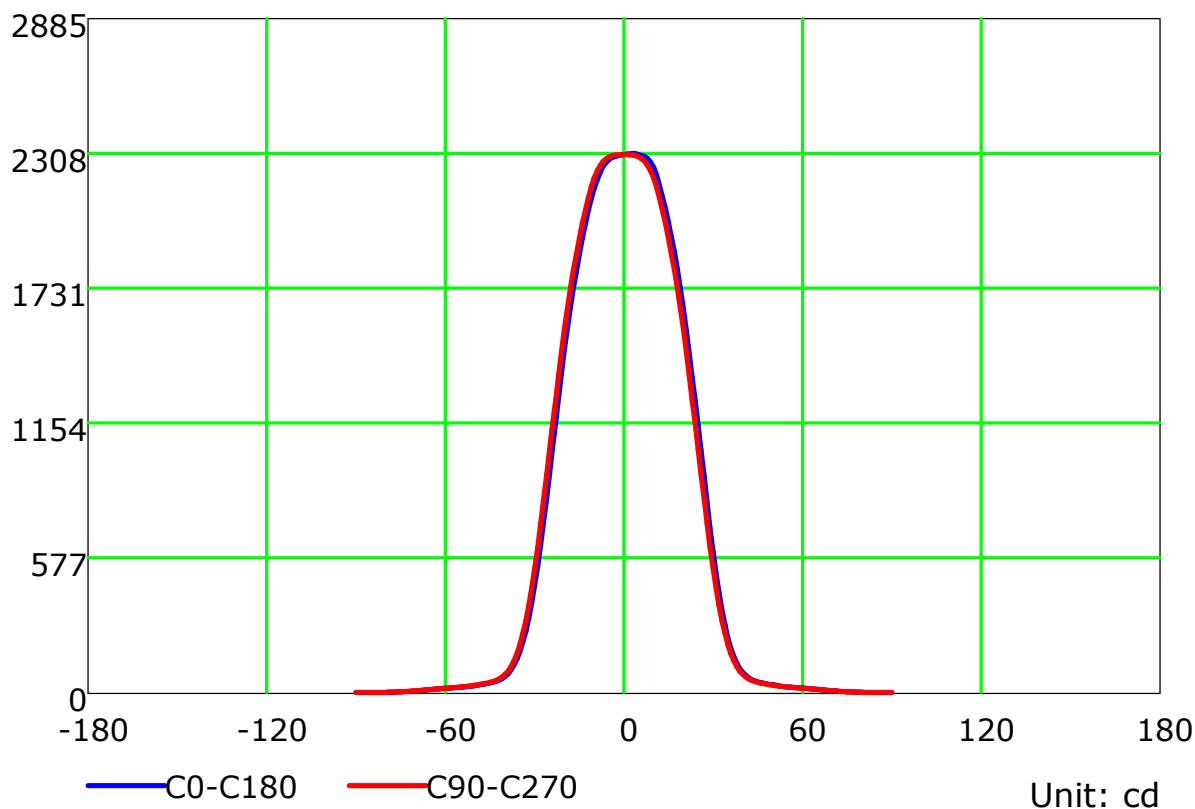
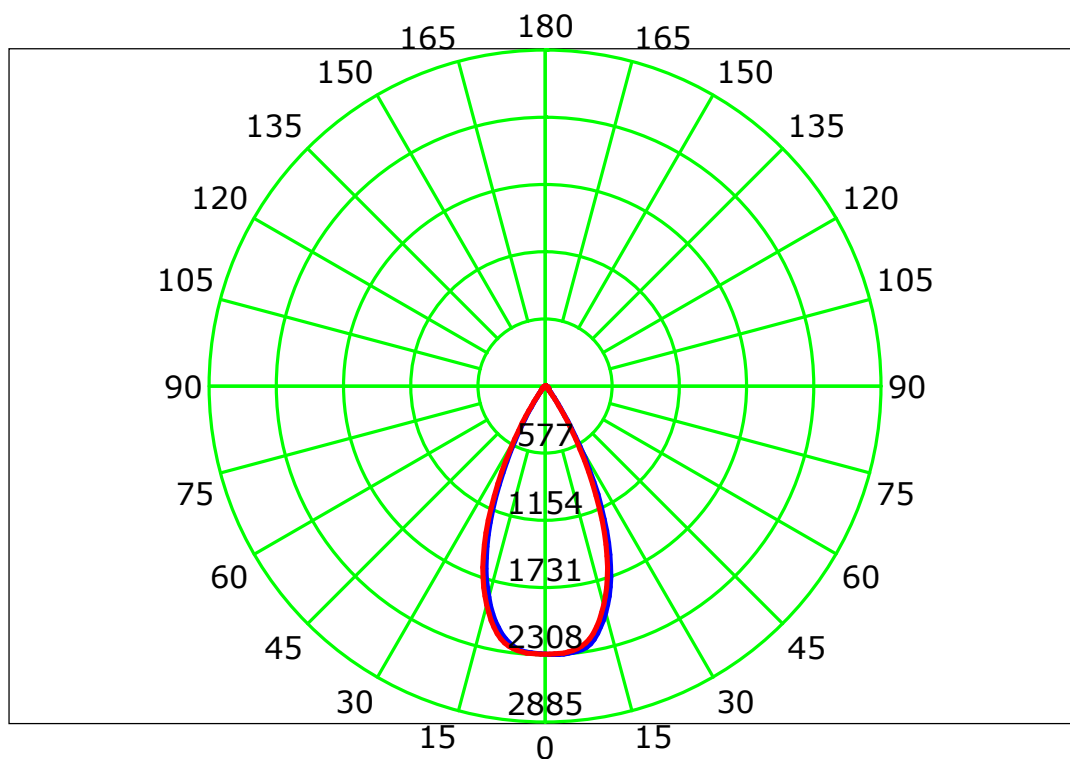
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

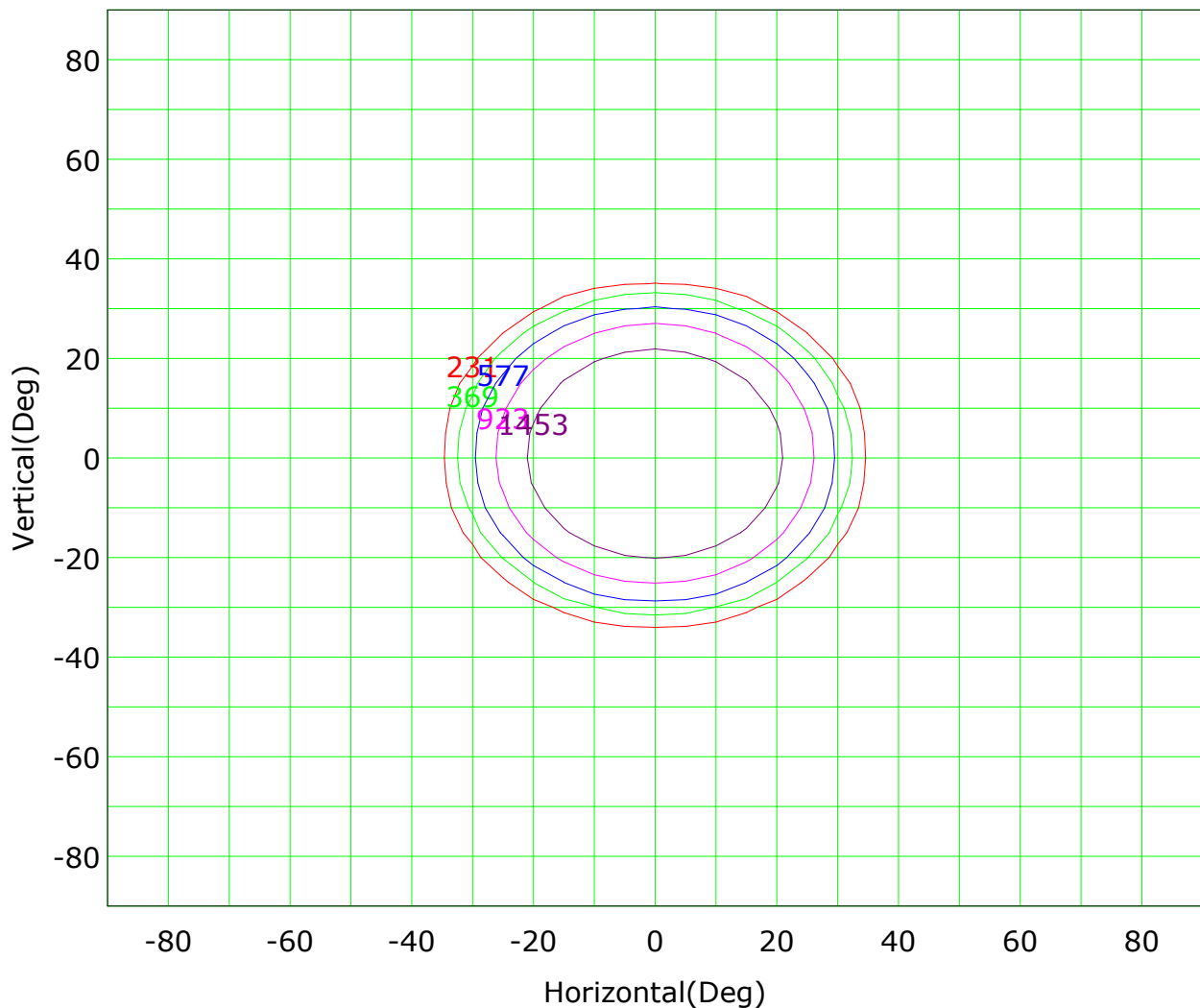
## Luminous Intensity Distribution Curve



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%): 2306 cd

( 10%): 231 cd	( 16%): 369 cd
( 25%): 577 cd	( 40%): 923 cd
( 63%): 1453 cd	(100%): 2306 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

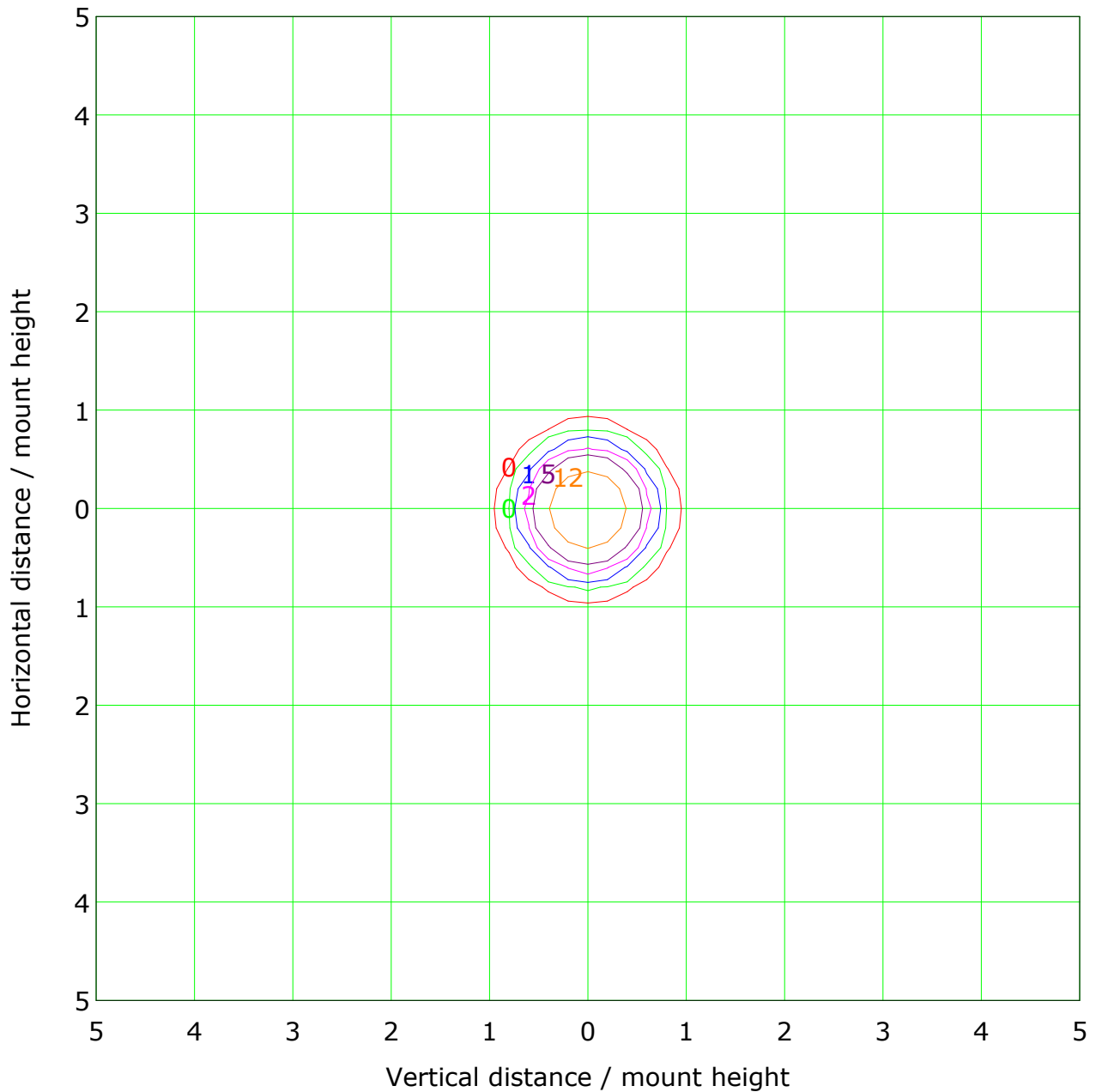
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 23 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	2 lx
— ( 20%):	5 lx	— ( 50%):	12 lx
— (100%):	23 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

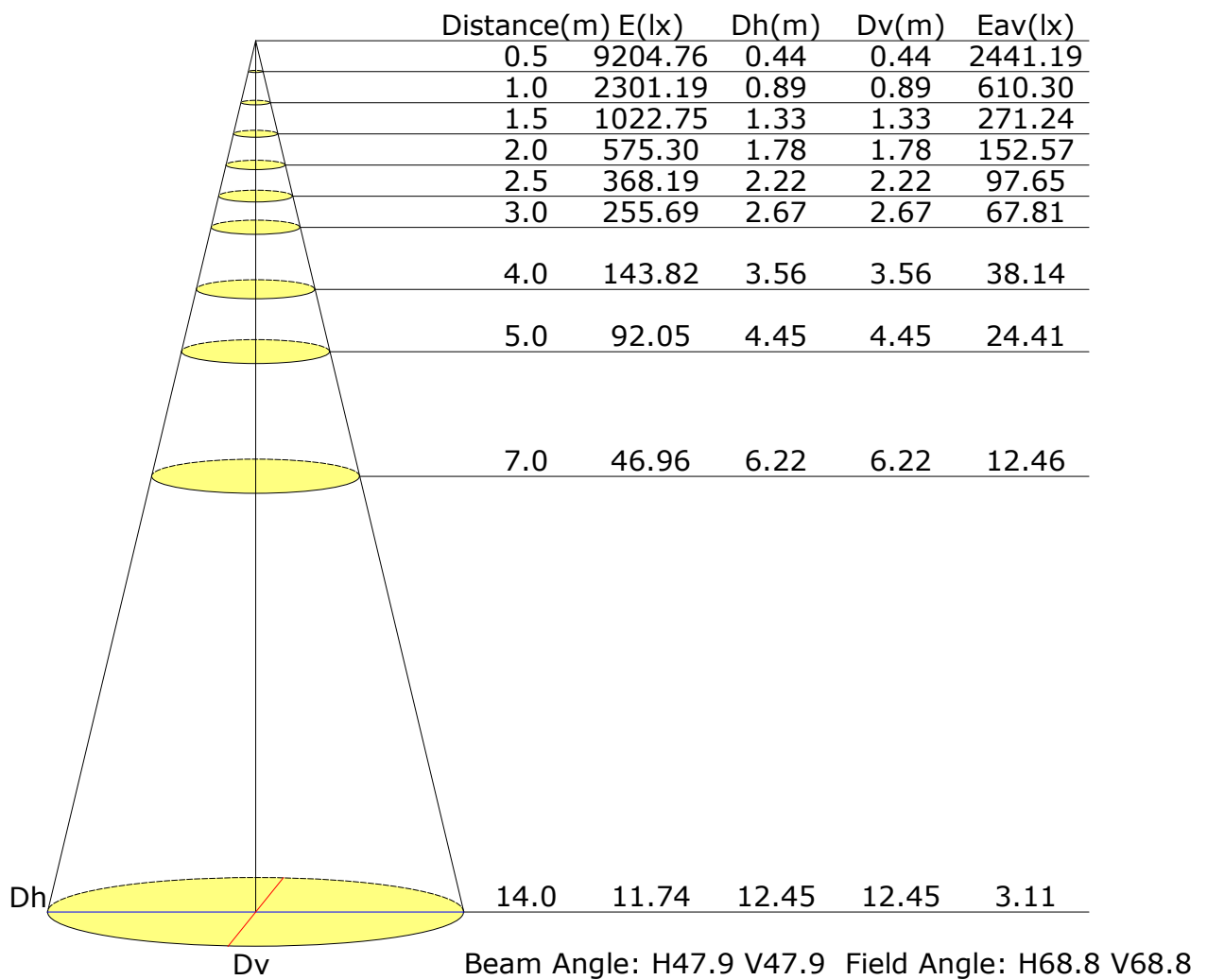
Test Device: CHL-6E

Distance: 3.328 m

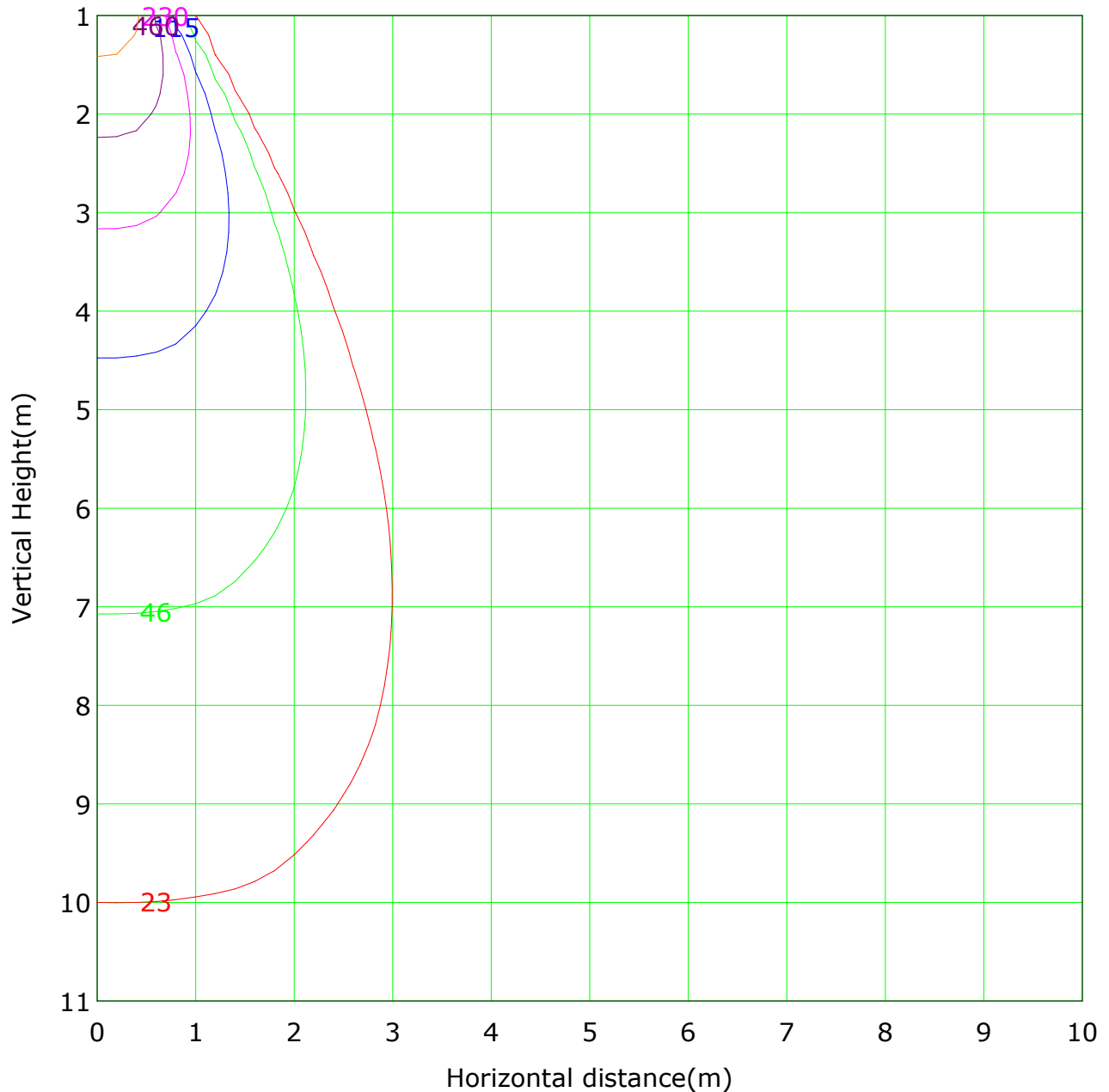
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

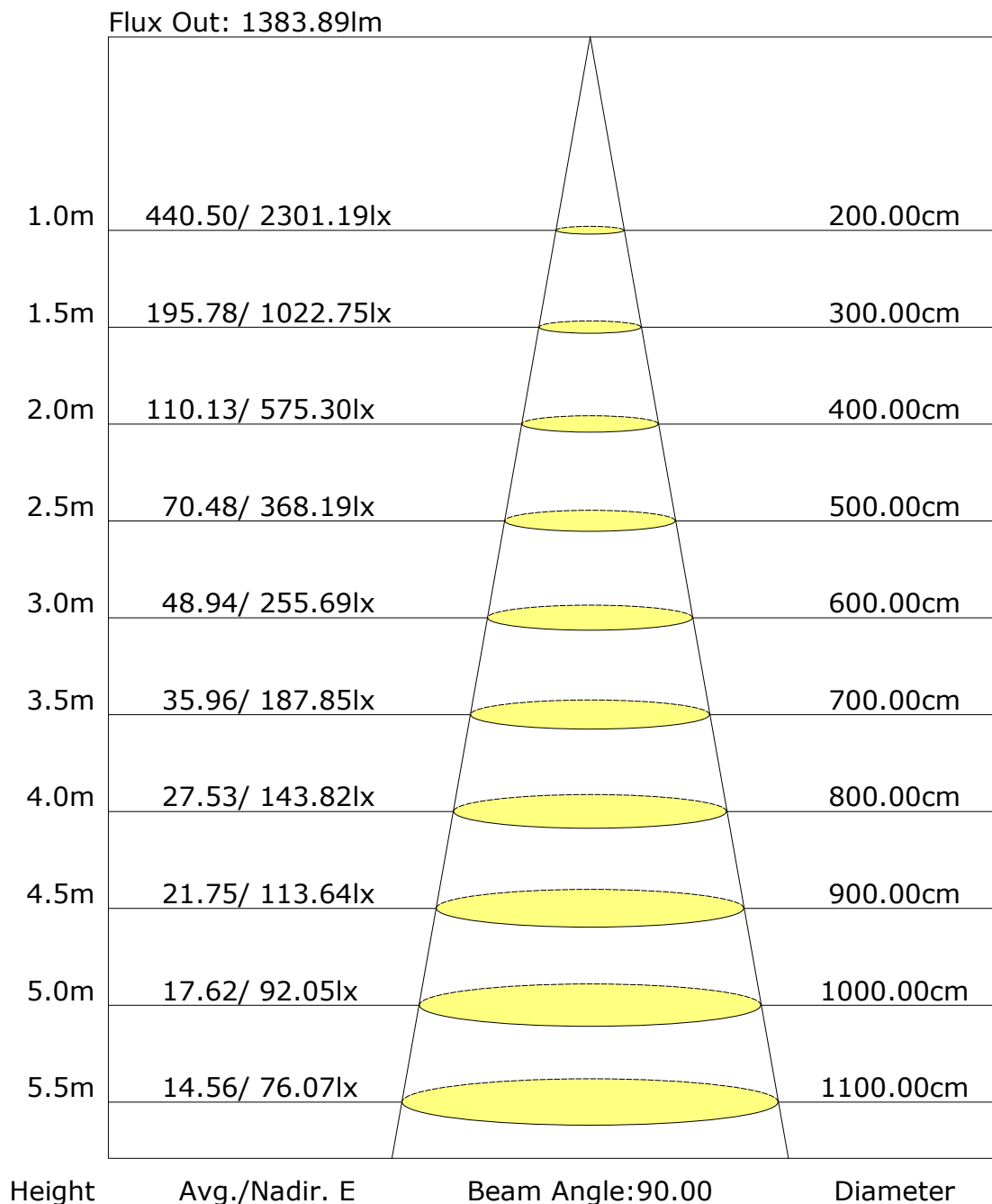


Lowest(m): 1m    Highest(m): 11    Max Lux: 2301	
( 1%): 23 lx	( 2%): 46 lx
( 5%): 115 lx	( 10%): 230 lx
( 20%): 460 lx	( 50%): 1151 lx
(100%): 2301 lx	

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	2301.7	2.2	2.2	0.15	0.15
1.0-2.0	2301.4	6.6	8.8	0.46	0.61
2.0-3.0	2300.2	11.0	19.8	0.76	1.38
3.0-4.0	2298.6	15.4	35.2	1.07	2.45
4.0-5.0	2294.6	19.7	54.9	1.37	3.82
5.0-6.0	2287.4	24.0	79.0	1.67	5.49
6.0-7.0	2277.8	28.3	107.3	1.96	7.45
7.0-8.0	2263.8	32.4	139.7	2.25	9.71
8.0-9.0	2244.1	36.4	176.0	2.53	12.23
9.0-10.0	2217.3	40.1	216.2	2.79	15.02
10.0-11.0	2182.8	43.6	259.8	3.03	18.05
11.0-12.0	2140.5	46.8	306.6	3.25	21.31
12.0-13.0	2091.1	49.6	356.2	3.45	24.75
13.0-14.0	2035.8	52.1	408.3	3.62	28.38
14.0-15.0	1975.6	54.2	462.6	3.77	32.15
15.0-16.0	1911.0	56.0	518.6	3.89	36.04
16.0-17.0	1842.5	57.4	576.0	3.99	40.03
17.0-18.0	1768.9	58.3	634.3	4.05	44.08
18.0-19.0	1688.5	58.8	693.1	4.08	48.16
19.0-20.0	1601.1	58.6	751.7	4.07	52.23
20.0-21.0	1507.0	57.9	809.5	4.02	56.26
21.0-22.0	1408.0	56.6	866.1	3.93	60.19
22.0-23.0	1305.0	54.8	920.9	3.81	63.99
23.0-24.0	1200.3	52.5	973.4	3.65	67.64
24.0-25.0	1094.0	49.8	1023.1	3.46	71.10
25.0-26.0	986.8	46.6	1069.7	3.24	74.34
26.0-27.0	880.3	43.1	1112.8	2.99	77.33
27.0-28.0	774.9	39.2	1152.0	2.73	80.06
28.0-29.0	672.4	35.2	1187.2	2.45	82.50
29.0-30.0	575.9	31.1	1218.3	2.16	84.66
30.0-31.0	488.2	27.2	1245.5	1.89	86.55
31.0-32.0	410.3	23.5	1269.0	1.63	88.18
32.0-33.0	341.3	20.1	1289.1	1.40	89.58
33.0-34.0	280.8	17.0	1306.1	1.18	90.76
34.0-35.0	228.9	14.2	1320.3	0.99	91.75
35.0-36.0	185.7	11.8	1332.1	0.82	92.57

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	150.7	9.8	1342.0	0.68	93.26
37.0-38.0	122.8	8.2	1350.2	0.57	93.83
38.0-39.0	100.9	6.9	1357.1	0.48	94.31
39.0-40.0	84.0	5.9	1362.9	0.41	94.71
40.0-41.0	71.4	5.1	1368.0	0.35	95.07
41.0-42.0	62.1	4.5	1372.5	0.31	95.38
42.0-43.0	55.2	4.1	1376.6	0.28	95.66
43.0-44.0	49.8	3.8	1380.4	0.26	95.93
44.0-45.0	45.8	3.5	1383.9	0.24	96.17
45.0-46.0	42.5	3.3	1387.2	0.23	96.40
46.0-47.0	39.7	3.2	1390.4	0.22	96.62
47.0-48.0	37.2	3.0	1393.4	0.21	96.83
48.0-49.0	34.8	2.9	1396.2	0.20	97.03
49.0-50.0	32.8	2.7	1399.0	0.19	97.22
50.0-51.0	30.9	2.6	1401.6	0.18	97.40
51.0-52.0	29.1	2.5	1404.1	0.17	97.57
52.0-53.0	27.2	2.4	1406.4	0.16	97.74
53.0-54.0	25.7	2.3	1408.7	0.16	97.89
54.0-55.0	24.4	2.2	1410.9	0.15	98.05
55.0-56.0	23.3	2.1	1413.0	0.15	98.19
56.0-57.0	22.3	2.0	1415.0	0.14	98.33
57.0-58.0	21.3	2.0	1417.0	0.14	98.47
58.0-59.0	20.2	1.9	1418.9	0.13	98.60
59.0-60.0	19.2	1.8	1420.7	0.13	98.73
60.0-61.0	18.3	1.7	1422.4	0.12	98.85
61.0-62.0	17.3	1.7	1424.1	0.12	98.96
62.0-63.0	16.3	1.6	1425.7	0.11	99.07
63.0-64.0	15.2	1.5	1427.2	0.10	99.18
64.0-65.0	14.1	1.4	1428.6	0.10	99.28
65.0-66.0	13.0	1.3	1429.9	0.09	99.37
66.0-67.0	11.9	1.2	1431.1	0.08	99.45
67.0-68.0	10.8	1.1	1432.2	0.08	99.53
68.0-69.0	9.6	1.0	1433.2	0.07	99.59
69.0-70.0	8.5	0.9	1434.0	0.06	99.65
70.0-71.0	7.4	0.8	1434.8	0.05	99.71
71.0-72.0	6.4	0.7	1435.5	0.05	99.75

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
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Operator:

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	2301.2	2301.2								
G1.0	2304.2	2300.1								
G2.0	2304.5	2297.0								
G3.0	2306.4	2292.9								
G4.0	2305.8	2289.5								
G5.0	2301.7	2281.4								
G6.0	2297.7	2268.9								
G7.0	2292.8	2251.7								
G8.0	2284.7	2226.2								
G9.0	2270.5	2194.9								
G10.0	2247.1	2156.8								
G11.0	2215.0	2112.5								
G12.0	2170.7	2063.9								
G13.0	2122.8	2007.1								
G14.0	2070.4	1943.0								
G15.0	2013.3	1875.5								
G16.0	1951.3	1803.7								
G17.0	1885.7	1729.3								
G18.0	1813.0	1647.7								
G19.0	1732.2	1561.0								
G20.0	1643.5	1467.5								
G21.0	1550.3	1366.6								
G22.0	1452.3	1262.6								
G23.0	1350.6	1154.6								
G24.0	1248.4	1047.4								
G25.0	1143.0	937.3								
G26.0	1035.5	831.4								
G27.0	924.9	729.5								
G28.0	813.0	632.2								
G29.0	702.8	541.7								
G30.0	600.9	458.2								
G31.0	510.6	383.0								
G32.0	429.3	318.3								
G33.0	355.1	262.7								
G34.0	289.6	215.8								
G35.0	234.1	176.2								
G36.0	189.2	143.4								

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	153.1	117.1								
G38.0	125.1	96.1								
G39.0	102.7	79.7								
G40.0	85.9	67.9								
G41.0	72.8	59.2								
G42.0	63.3	53.1								
G43.0	55.9	48.3								
G44.0	50.7	44.6								
G45.0	46.3	41.5								
G46.0	43.1	39.0								
G47.0	40.1	36.8								
G48.0	37.4	34.4								
G49.0	35.4	32.2								
G50.0	33.6	30.0								
G51.0	31.7	28.4								
G52.0	29.3	26.8								
G53.0	27.2	25.5								
G54.0	25.8	24.2								
G55.0	24.6	23.1								
G56.0	23.5	22.1								
G57.0	22.5	21.1								
G58.0	21.4	20.1								
G59.0	20.1	19.1								
G60.0	19.2	18.4								
G61.0	18.4	17.3								
G62.0	17.3	16.3								
G63.0	16.3	15.3								
G64.0	15.3	14.0								
G65.0	14.1	13.0								
G66.0	12.9	11.9								
G67.0	12.0	10.8								
G68.0	10.8	9.6								
G69.0	9.6	8.6								
G70.0	8.3	7.6								
G71.0	7.2	6.6								
G72.0	6.2	5.5								
G73.0	5.5	5.0								

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  
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## Unit: cd

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