

Report No.: 22.01811 Enko Profile Systems

Test Time: 2024-09-30 17:08

## Luminaire Property

Luminaire Category:

Length (mm): 586

Height (mm): 40

Current: 0.098 A

Power Factor: 0.944

Width (mm): 18.5

Voltage: 226.7 V

Power: 21.00 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 1880.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H52.4

Vertical Diffuse Angle(50%): V52.4

Luminaire Efficacy Rating (LER): 90

Max. Intensity: 2460.61 cd

Total Rated Lamp Lumens: 1880.8 lm

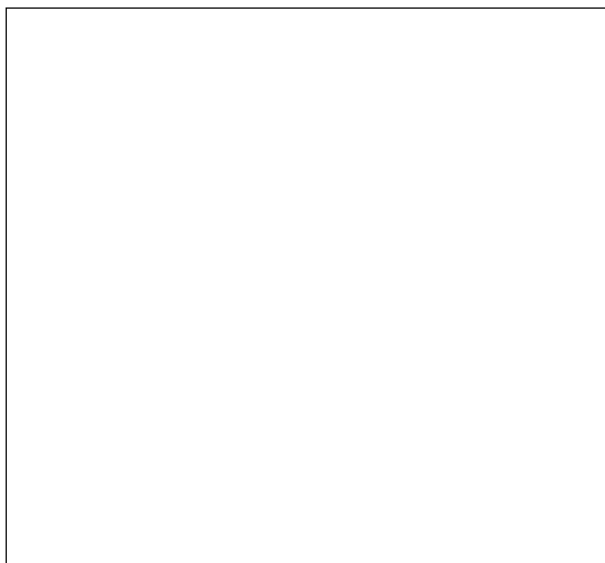
Efficiency: 100%

Upward Ratio: 0%

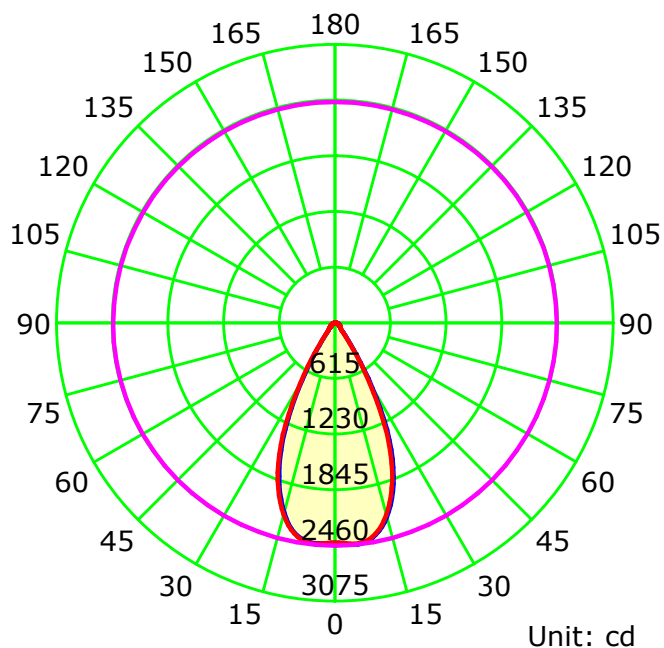
Central Intensity: 2430.43 cd

Pos of Max. Intensity: H0 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G6

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

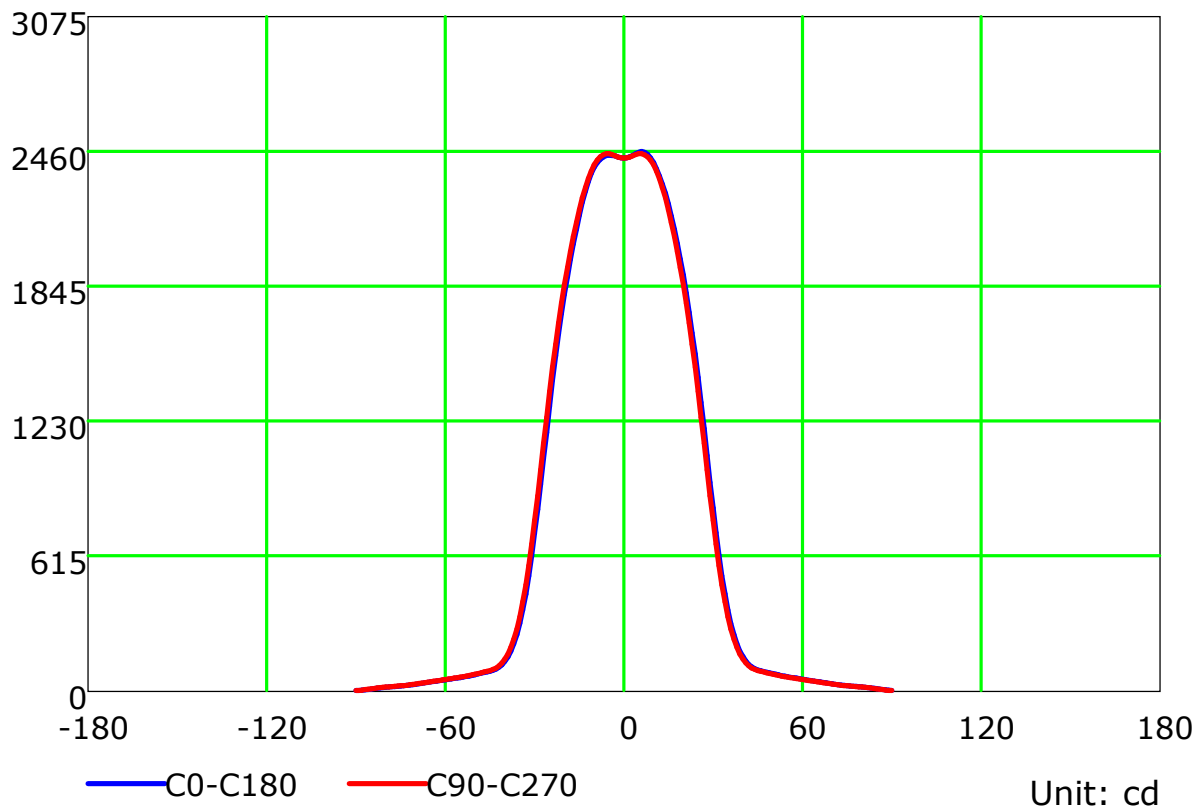
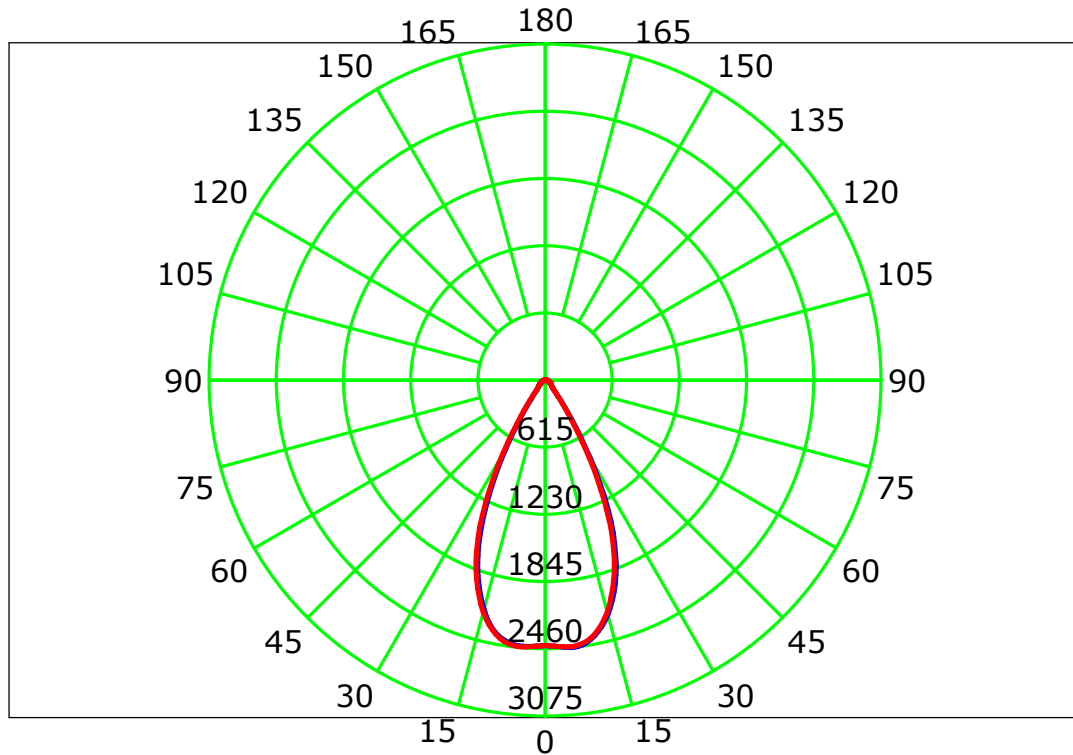
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

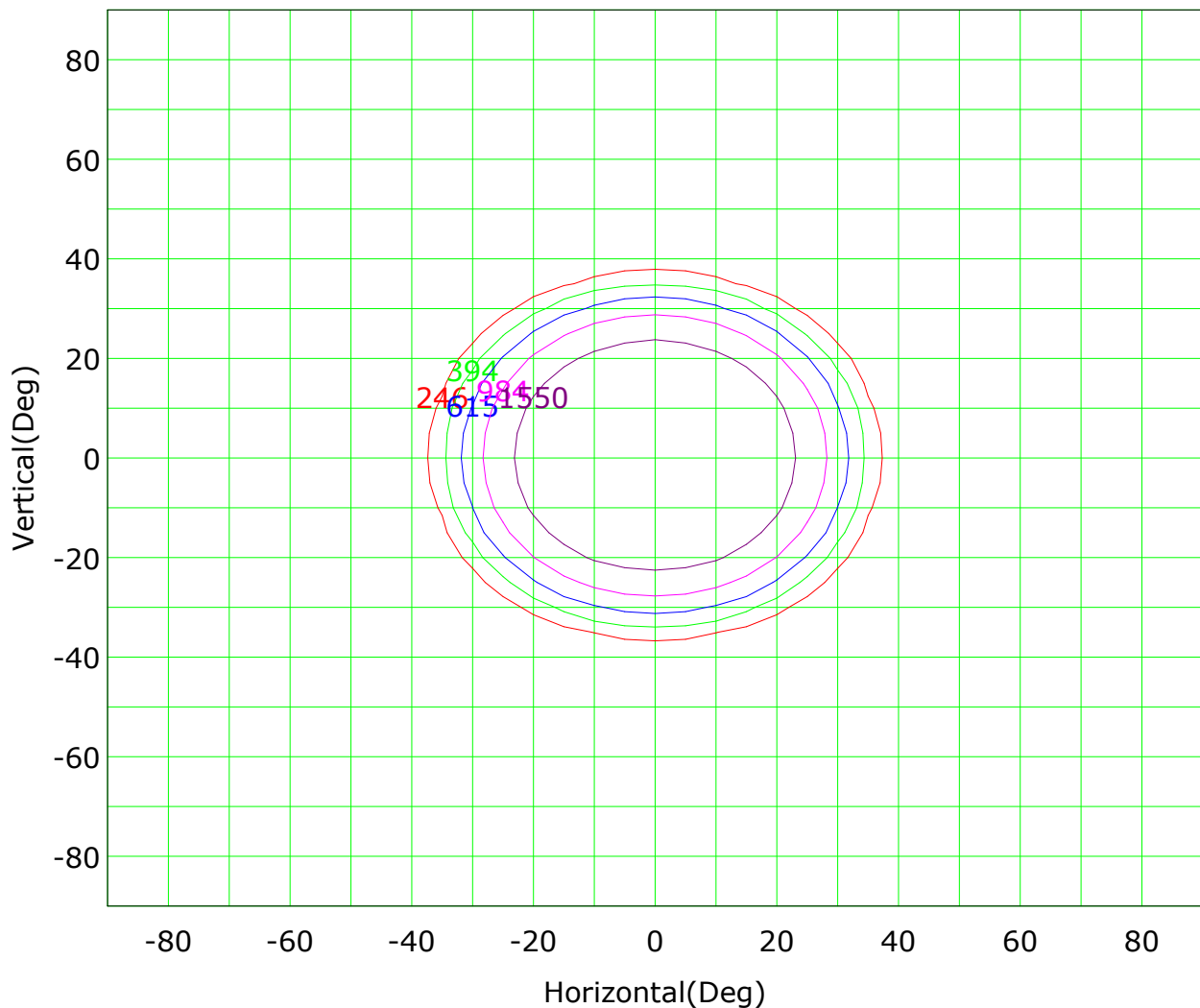
## Luminous Intensity Distribution Curve



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%): 2461 cd

( 10%): 246 cd	( 16%): 394 cd
( 25%): 615 cd	( 40%): 984 cd
( 63%): 1550 cd	(100%): 2461 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

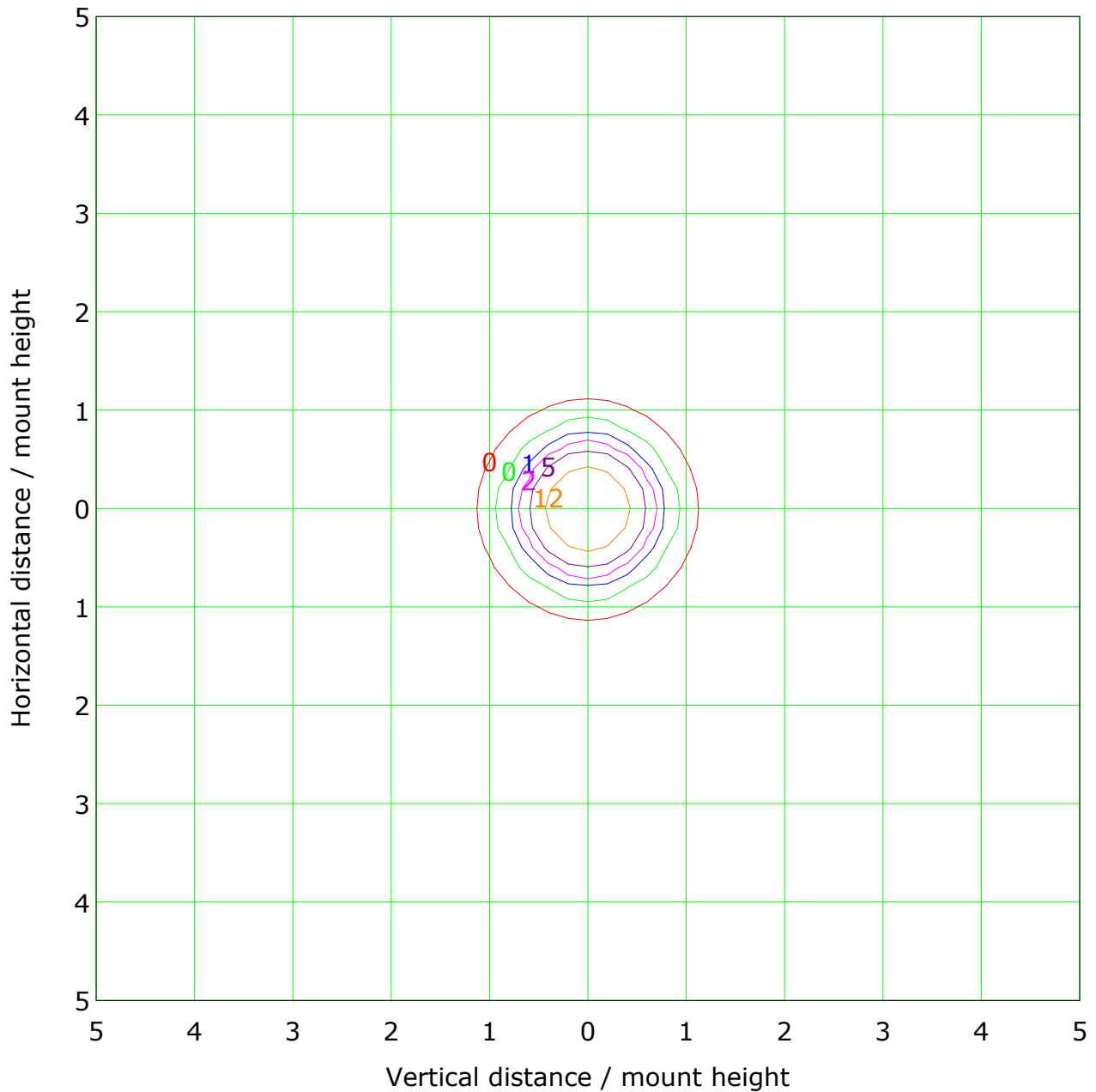
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 24 lx	
( 1%):	0 lx	( 2%):	0 lx
( 5%):	1 lx	( 10%):	2 lx
( 20%):	5 lx	( 50%):	12 lx
(100%):	24 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

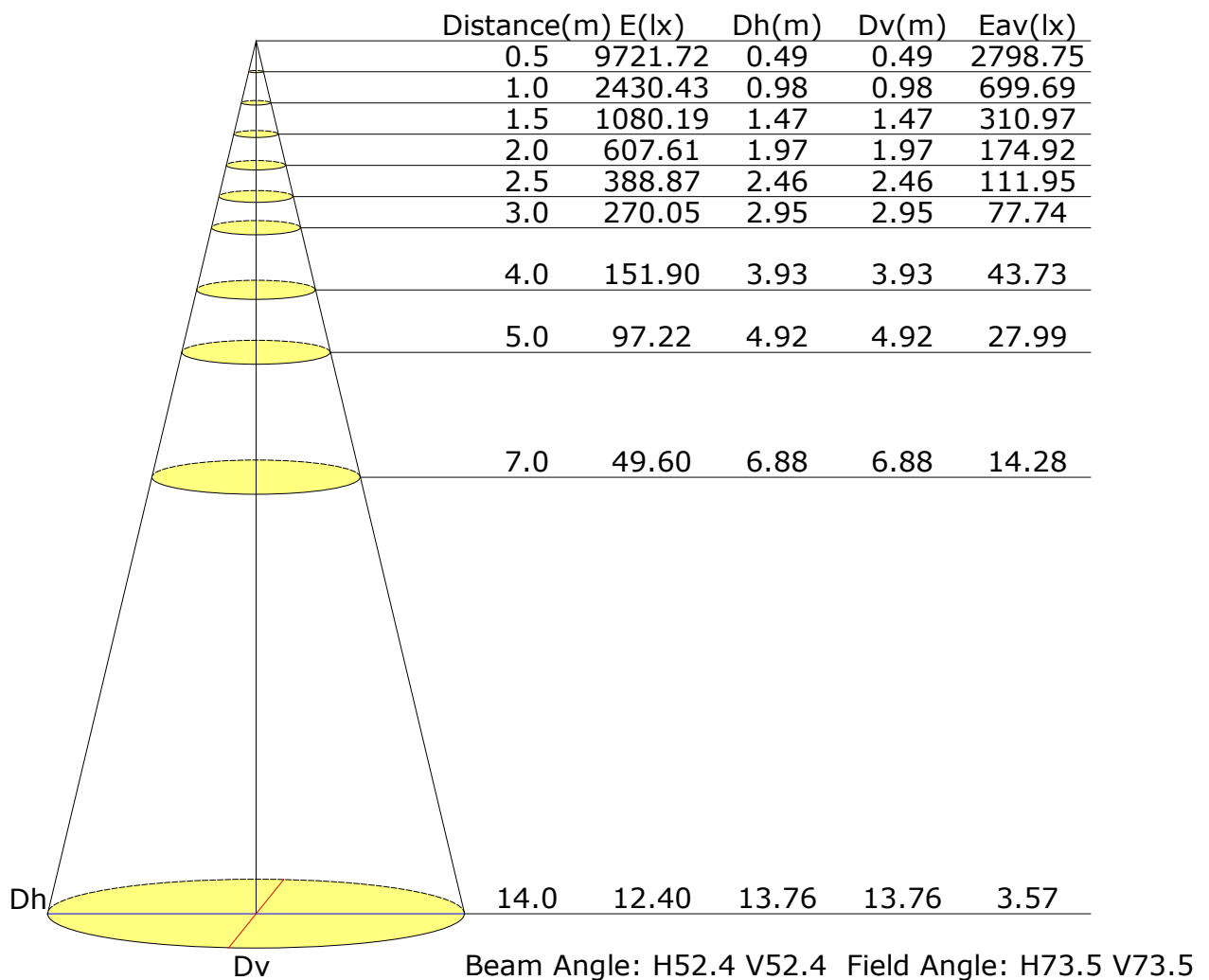
Test Device: CHL-6E

Distance: 3.328 m

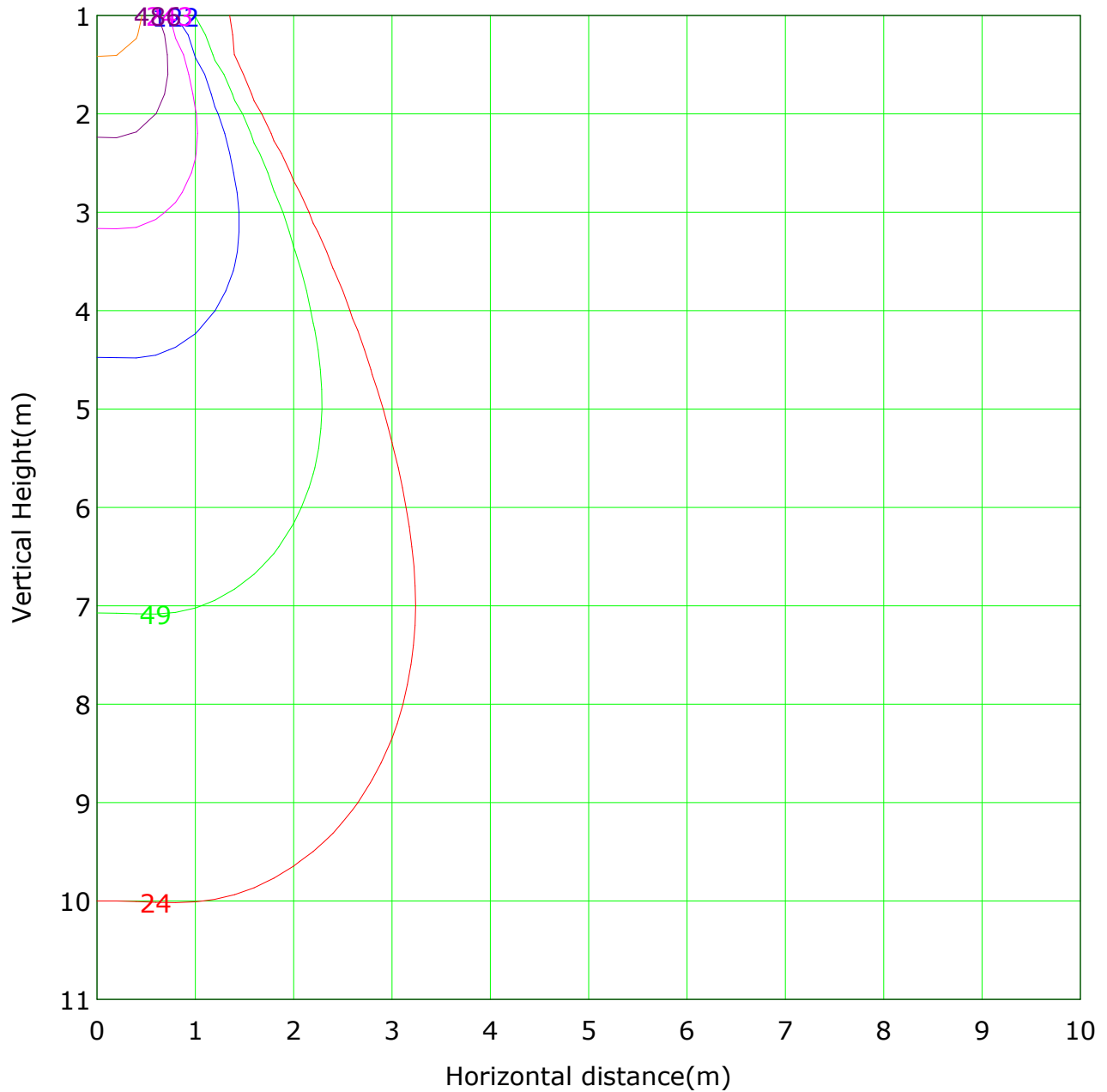
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



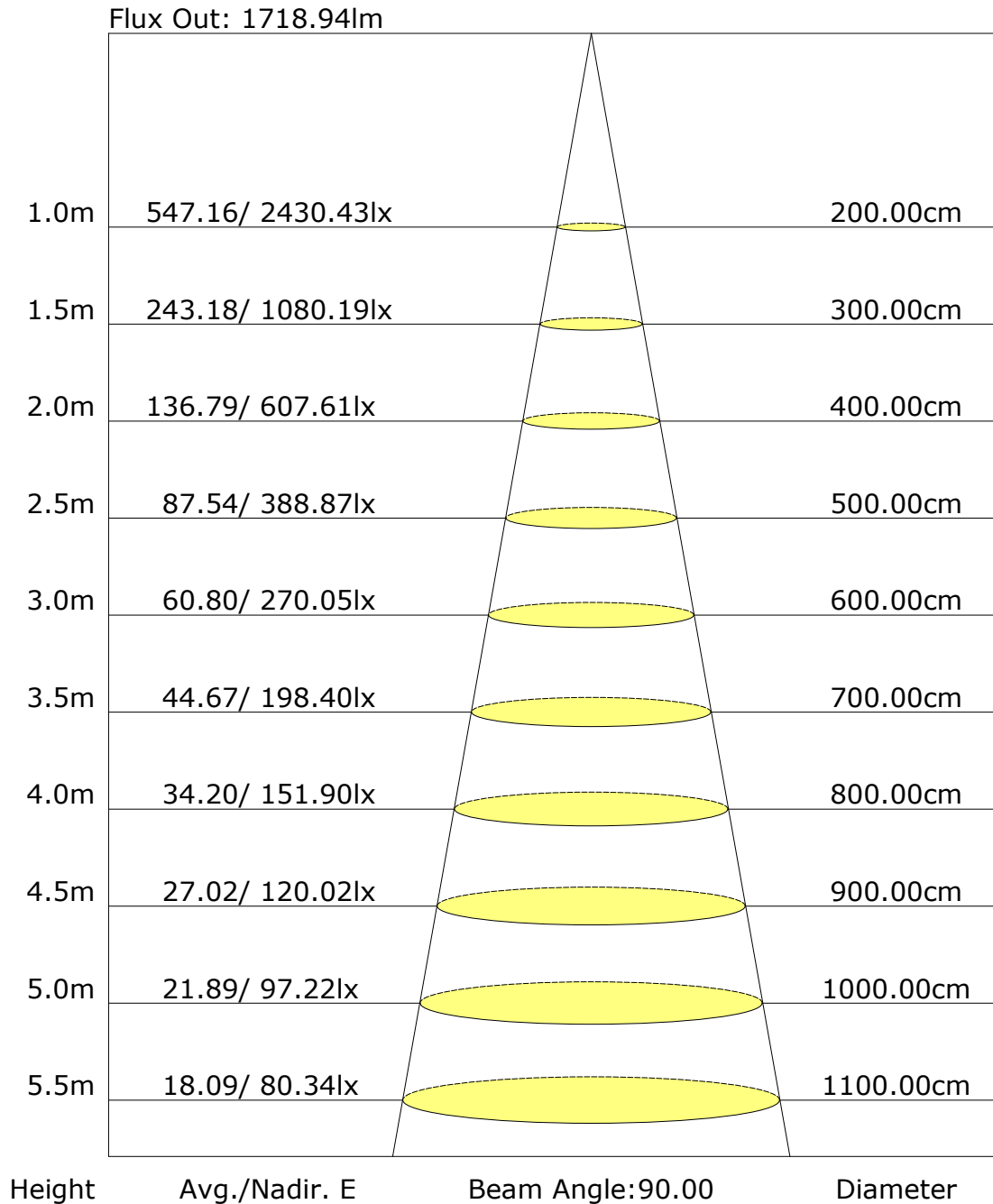
Lowest(m): 1m    Highest(m): 11    Max Lux: 2430

( 1%): 24 lx	( 2%): 49 lx
( 5%): 122 lx	( 10%): 243 lx
( 20%): 486 lx	( 50%): 1215 lx
(100%): 2430 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	2431.2	2.3	2.3	0.12	0.12
1.0-2.0	2433.8	7.0	9.3	0.37	0.50
2.0-3.0	2438.6	11.7	21.0	0.62	1.12
3.0-4.0	2444.2	16.4	37.3	0.87	1.99
4.0-5.0	2448.6	21.1	58.4	1.12	3.11
5.0-6.0	2450.9	25.8	84.2	1.37	4.48
6.0-7.0	2448.6	30.4	114.6	1.62	6.09
7.0-8.0	2441.1	34.9	149.5	1.86	7.95
8.0-9.0	2429.0	39.4	188.9	2.09	10.04
9.0-10.0	2410.6	43.6	232.5	2.32	12.36
10.0-11.0	2385.3	47.7	280.2	2.53	14.90
11.0-12.0	2354.0	51.5	331.6	2.74	17.63
12.0-13.0	2316.4	55.0	386.6	2.92	20.56
13.0-14.0	2272.4	58.2	444.8	3.09	23.65
14.0-15.0	2222.3	61.0	505.8	3.24	26.89
15.0-16.0	2166.2	63.5	569.3	3.38	30.27
16.0-17.0	2104.4	65.5	634.8	3.48	33.75
17.0-18.0	2038.1	67.2	702.0	3.57	37.33
18.0-19.0	1967.3	68.5	770.5	3.64	40.97
19.0-20.0	1891.0	69.2	839.7	3.68	44.65
20.0-21.0	1809.9	69.5	909.2	3.70	48.34
21.0-22.0	1723.2	69.3	978.5	3.68	52.03
22.0-23.0	1629.5	68.4	1046.9	3.64	55.66
23.0-24.0	1528.7	66.8	1113.7	3.55	59.22
24.0-25.0	1420.8	64.6	1178.3	3.44	62.65
25.0-26.0	1305.9	61.7	1240.0	3.28	65.93
26.0-27.0	1187.6	58.1	1298.1	3.09	69.02
27.0-28.0	1068.1	54.1	1352.2	2.88	71.89
28.0-29.0	948.7	49.6	1401.8	2.64	74.53
29.0-30.0	833.0	45.0	1446.8	2.39	76.92
30.0-31.0	722.6	40.2	1487.0	2.14	79.06
31.0-32.0	619.7	35.5	1522.5	1.89	80.95
32.0-33.0	526.6	31.0	1553.5	1.65	82.60
33.0-34.0	443.8	26.9	1580.4	1.43	84.03
34.0-35.0	371.3	23.1	1603.5	1.23	85.26
35.0-36.0	309.2	19.7	1623.1	1.05	86.30

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	257.6	16.8	1640.0	0.89	87.20
37.0-38.0	216.1	14.4	1654.4	0.77	87.96
38.0-39.0	182.9	12.5	1666.9	0.66	88.63
39.0-40.0	156.1	10.9	1677.8	0.58	89.21
40.0-41.0	135.4	9.6	1687.4	0.51	89.72
41.0-42.0	119.8	8.7	1696.1	0.46	90.18
42.0-43.0	108.3	8.0	1704.1	0.43	90.61
43.0-44.0	100.2	7.6	1711.7	0.40	91.01
44.0-45.0	94.3	7.2	1718.9	0.39	91.39
45.0-46.0	90.0	7.0	1726.0	0.37	91.77
46.0-47.0	86.5	6.9	1732.9	0.37	92.14
47.0-48.0	83.3	6.7	1739.6	0.36	92.49
48.0-49.0	80.0	6.6	1746.2	0.35	92.84
49.0-50.0	76.9	6.4	1752.6	0.34	93.18
50.0-51.0	73.8	6.2	1758.8	0.33	93.52
51.0-52.0	70.9	6.1	1764.9	0.32	93.84
52.0-53.0	68.0	5.9	1770.8	0.31	94.15
53.0-54.0	65.3	5.8	1776.6	0.31	94.46
54.0-55.0	62.8	5.6	1782.2	0.30	94.76
55.0-56.0	60.5	5.5	1787.7	0.29	95.05
56.0-57.0	58.4	5.3	1793.0	0.28	95.33
57.0-58.0	56.4	5.2	1798.2	0.28	95.61
58.0-59.0	54.2	5.1	1803.3	0.27	95.88
59.0-60.0	52.0	4.9	1808.2	0.26	96.14
60.0-61.0	50.0	4.8	1813.0	0.25	96.39
61.0-62.0	47.9	4.6	1817.6	0.25	96.64
62.0-63.0	45.7	4.4	1822.0	0.24	96.88
63.0-64.0	43.7	4.3	1826.3	0.23	97.10
64.0-65.0	41.7	4.1	1830.5	0.22	97.32
65.0-66.0	39.7	4.0	1834.4	0.21	97.53
66.0-67.0	37.5	3.8	1838.2	0.20	97.74
67.0-68.0	35.4	3.6	1841.8	0.19	97.93
68.0-69.0	33.2	3.4	1845.2	0.18	98.11
69.0-70.0	31.1	3.2	1848.4	0.17	98.28
70.0-71.0	29.1	3.0	1851.4	0.16	98.44
71.0-72.0	27.3	2.8	1854.2	0.15	98.59

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: 3.328 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	2430.4	2430.4								
G1.0	2432.0	2431.9								
G2.0	2435.9	2435.4								
G3.0	2442.7	2440.5								
G4.0	2450.7	2443.0								
G5.0	2456.9	2444.1								
G6.0	2460.6	2442.2								
G7.0	2457.0	2434.8								
G8.0	2447.8	2425.0								
G9.0	2432.8	2410.4								
G10.0	2410.3	2388.7								
G11.0	2381.6	2360.4								
G12.0	2349.2	2324.5								
G13.0	2311.9	2280.0								
G14.0	2269.4	2228.3								
G15.0	2221.2	2170.1								
G16.0	2166.4	2106.9								
G17.0	2104.5	2039.7								
G18.0	2039.9	1968.3								
G19.0	1970.6	1890.3								
G20.0	1895.2	1807.9								
G21.0	1814.3	1722.2								
G22.0	1726.5	1629.9								
G23.0	1632.9	1528.5								
G24.0	1535.8	1417.8								
G25.0	1429.9	1299.6								
G26.0	1315.3	1178.8								
G27.0	1195.7	1060.6								
G28.0	1072.9	943.3								
G29.0	950.6	828.1								
G30.0	833.7	719.6								
G31.0	720.9	616.3								
G32.0	618.1	523.4								
G33.0	523.9	440.9								
G34.0	441.6	368.7								
G35.0	367.2	307.8								
G36.0	305.5	256.1								

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: 3.328 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	255.3	213.7								
G38.0	214.6	181.0								
G39.0	181.1	154.7								
G40.0	154.9	133.8								
G41.0	134.7	118.3								
G42.0	119.3	106.8								
G43.0	108.3	98.8								
G44.0	100.3	93.2								
G45.0	94.8	88.9								
G46.0	90.8	85.5								
G47.0	87.4	82.4								
G48.0	84.2	79.2								
G49.0	80.7	76.1								
G50.0	77.7	73.0								
G51.0	74.9	69.7								
G52.0	71.8	67.2								
G53.0	68.7	64.6								
G54.0	66.1	62.1								
G55.0	63.7	59.6								
G56.0	61.2	57.6								
G57.0	59.2	55.6								
G58.0	57.1	53.5								
G59.0	54.6	51.5								
G60.0	52.5	49.5								
G61.0	50.5	47.4								
G62.0	48.2	45.3								
G63.0	45.9	43.3								
G64.0	43.8	41.6								
G65.0	41.8	39.7								
G66.0	39.8	37.4								
G67.0	37.7	35.1								
G68.0	35.4	33.2								
G69.0	33.2	31.2								
G70.0	31.0	29.0								
G71.0	29.0	27.2								
G72.0	27.3	25.5								
G73.0	25.7	23.8								

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: 3.328 m  
Humidity:  
Inspector:

## Unit: cd

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