

Report No.: 86.06012 Auro Tube 60 Profile
Systems

Test Time: 2024-10-07 19:16

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.041 A

Power Factor: 0.565

Voltage: 236.2 V

Power: 5.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 417.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H21.3

Vertical Diffuse Angle(50%): V21.3

Luminaire Efficacy Rating (LER): 75

Max. Intensity: 2530.24 cd

Total Rated Lamp Lumens: 417.7 lm

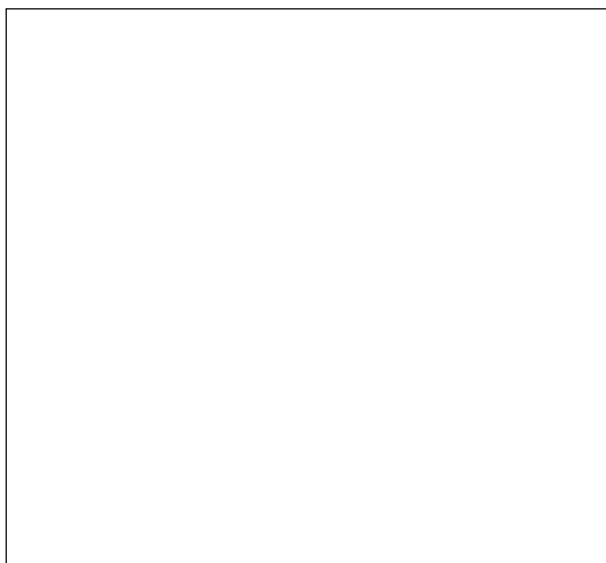
Efficiency: 100%

Upward Ratio: 0%

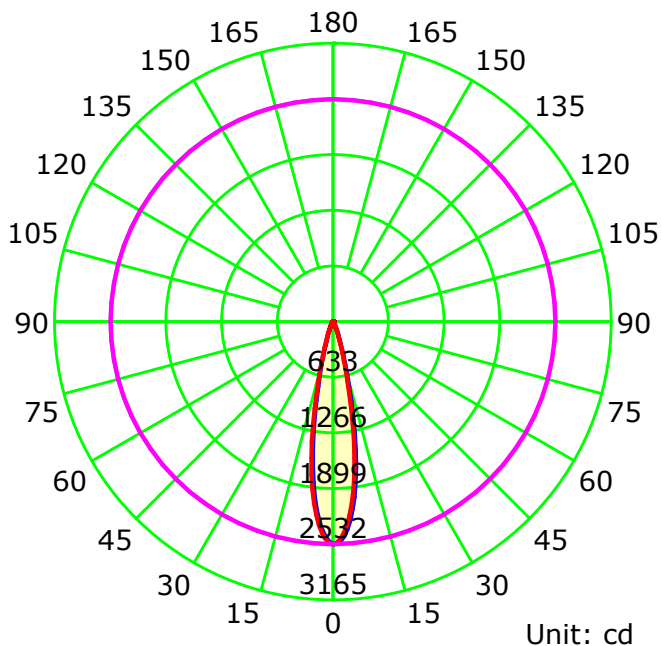
Central Intensity: 2530.24 cd

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

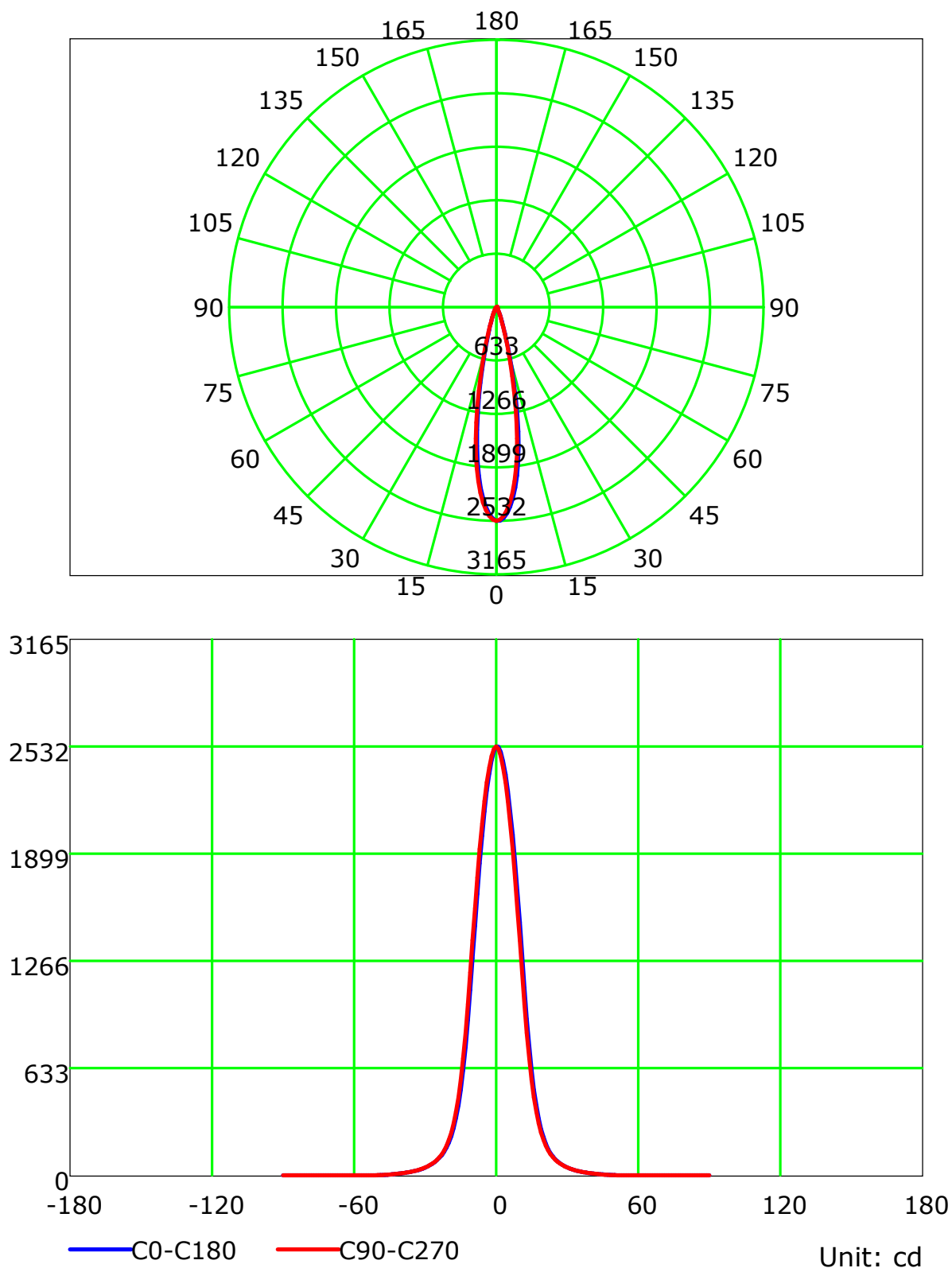
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

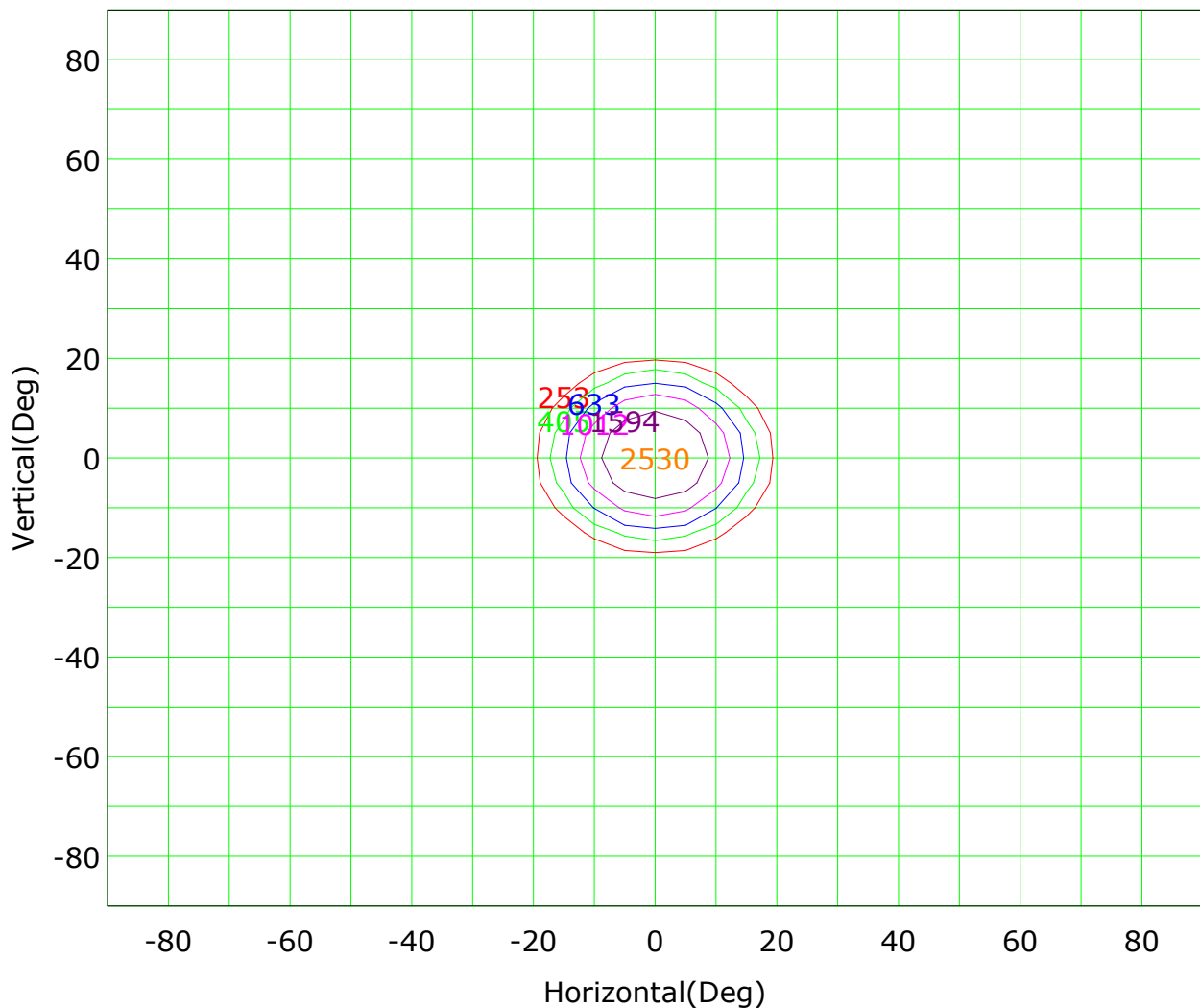
Luminous Intensity Distribution Curve



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)



I_{max} (100%): 2530 cd

(10%): 253 cd	(16%): 405 cd
(25%): 633 cd	(40%): 1012 cd
(63%): 1594 cd	(100%): 2530 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

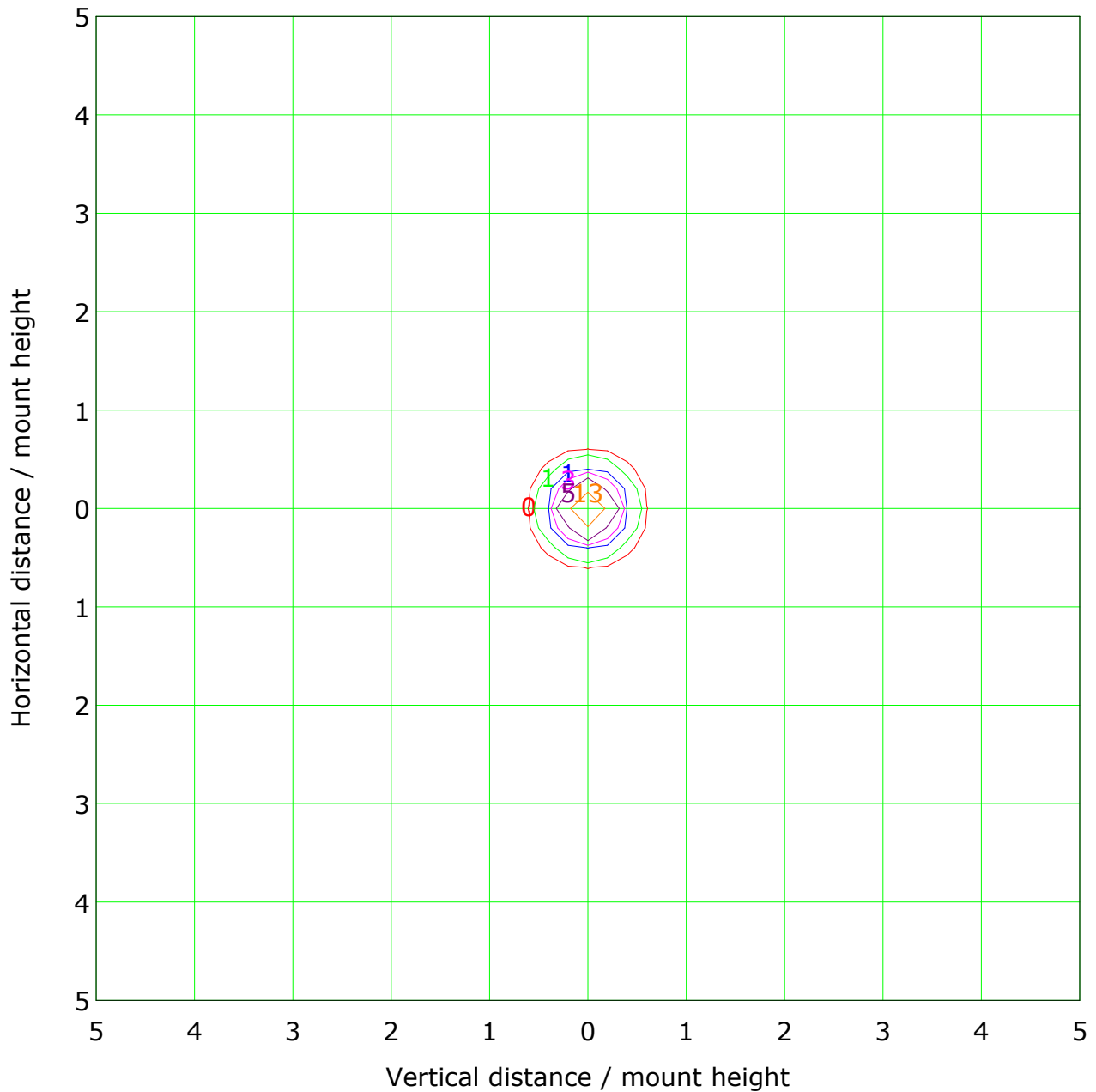
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

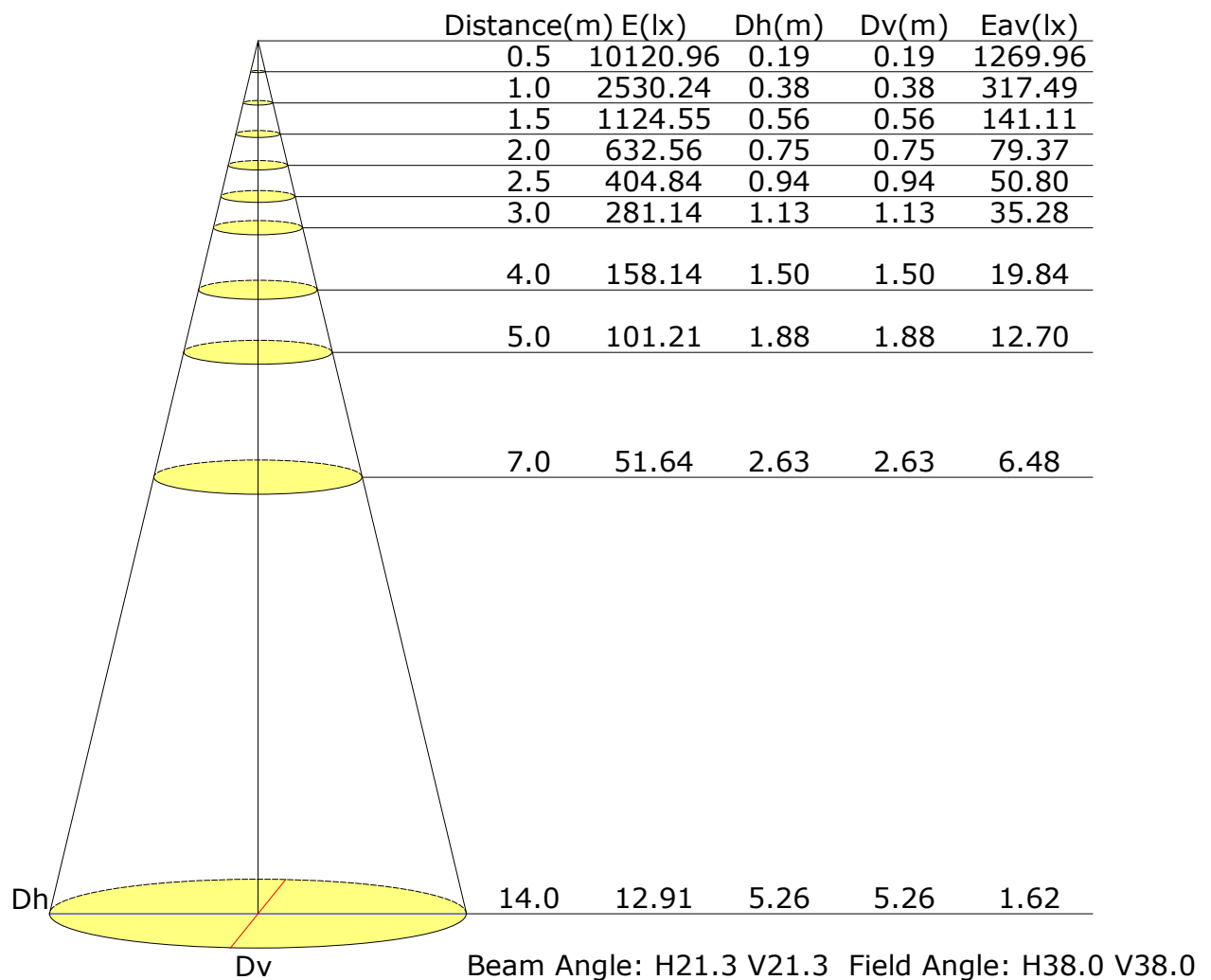


Mounting Height: 10m		Max Lux(100%): 25 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	1 lx	(10%):	3 lx
(20%):	5 lx	(50%):	13 lx
(100%):	25 lx		

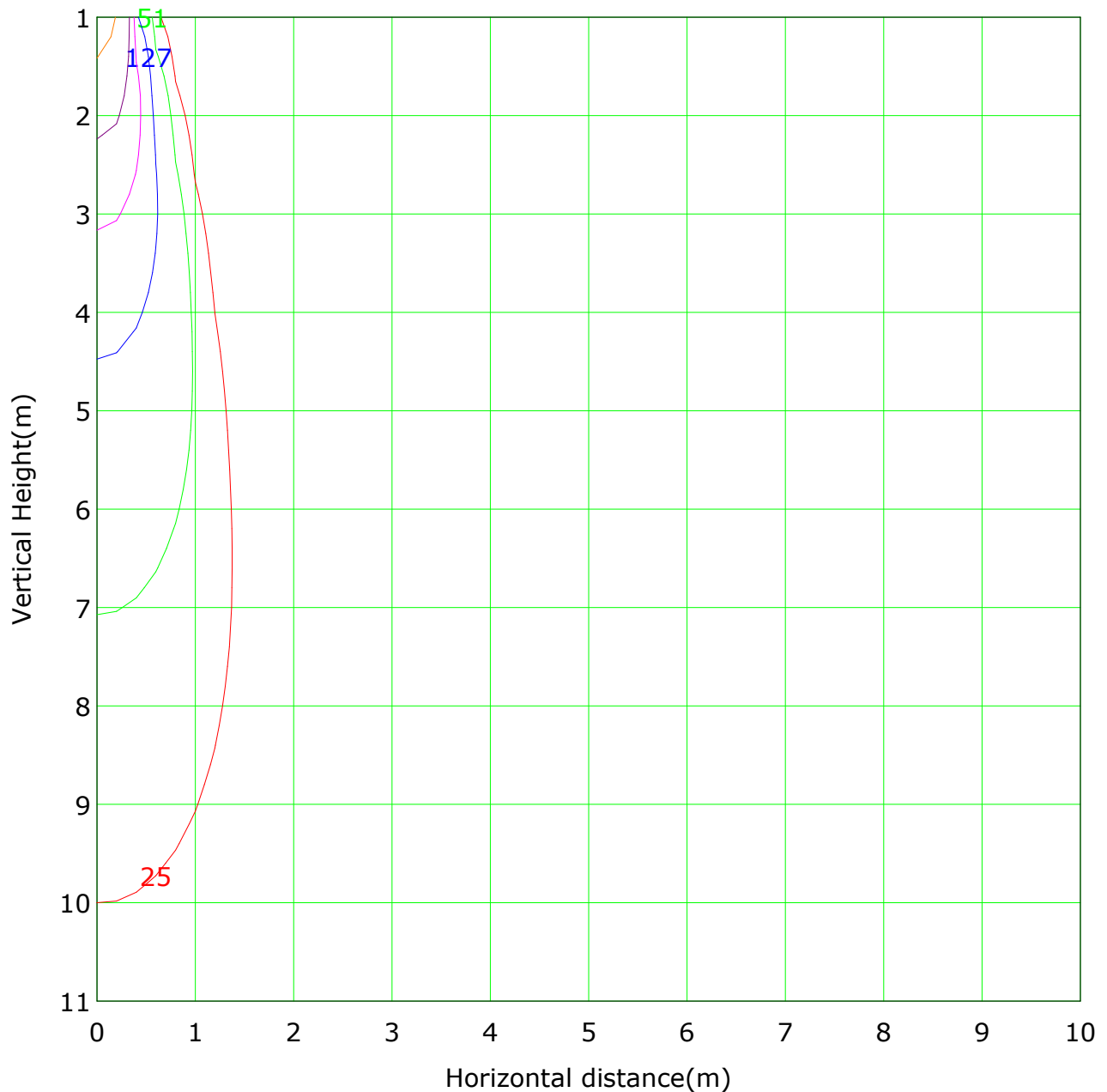
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

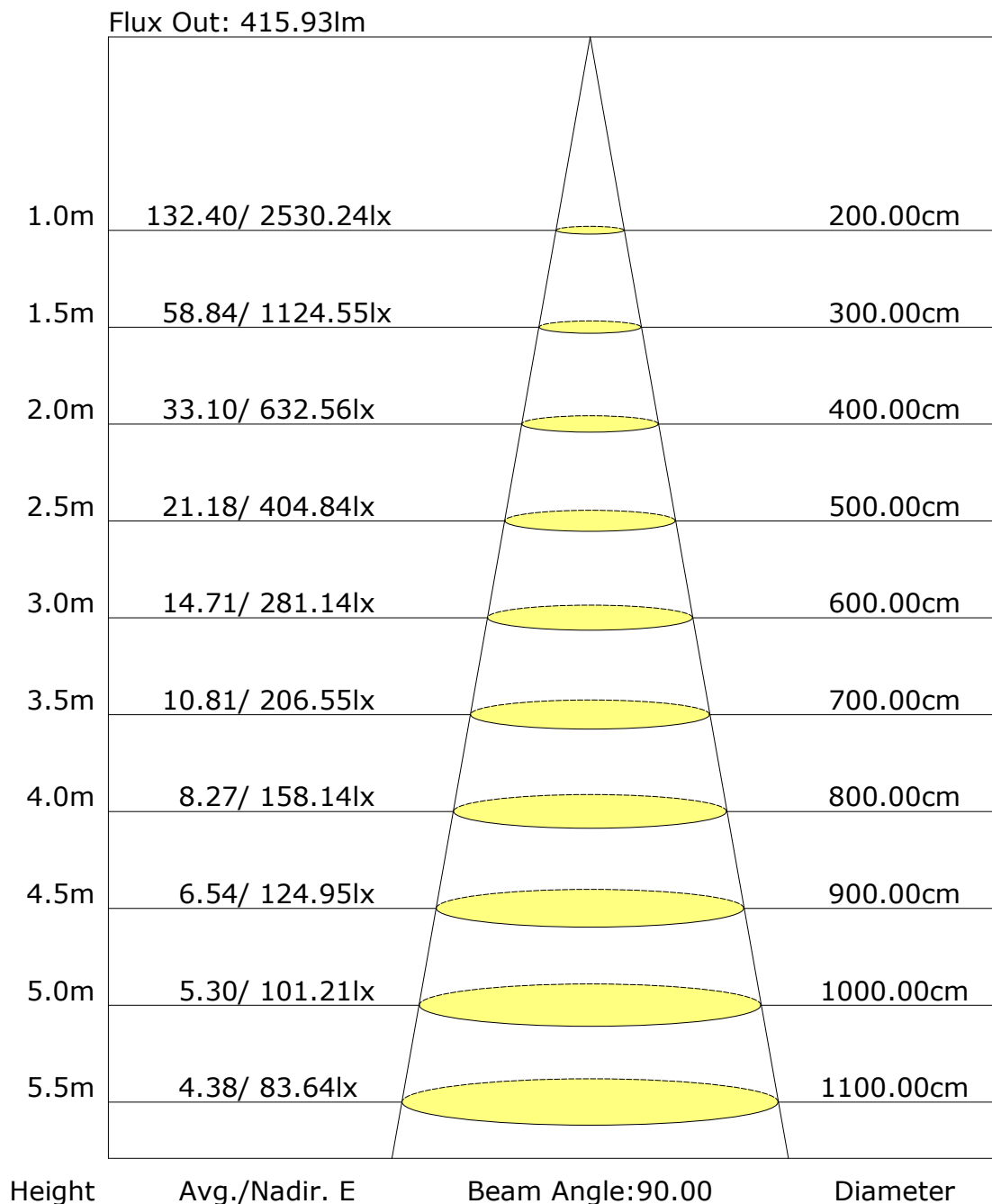


Lowest(m): 1m Highest(m): 11 Max Lux: 2530	
(1%): 25 lx	(2%): 51 lx
(5%): 127 lx	(10%): 253 lx
(20%): 506 lx	(50%): 1265 lx
(100%): 2530 lx	

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2522.7	2.4	2.4	0.58	0.58
1.0-2.0	2494.7	7.2	9.6	1.71	2.29
2.0-3.0	2440.9	11.7	21.3	2.80	5.09
3.0-4.0	2363.2	15.8	37.1	3.79	8.88
4.0-5.0	2263.2	19.5	56.5	4.66	13.54
5.0-6.0	2141.9	22.5	79.1	5.39	18.93
6.0-7.0	2000.4	24.8	103.9	5.95	24.87
7.0-8.0	1840.8	26.3	130.2	6.31	31.18
8.0-9.0	1666.4	27.0	157.2	6.47	37.65
9.0-10.0	1481.8	26.8	184.1	6.42	44.07
10.0-11.0	1292.2	25.8	209.9	6.18	50.25
11.0-12.0	1104.1	24.1	234.0	5.78	56.03
12.0-13.0	925.9	22.0	256.0	5.26	61.29
13.0-14.0	765.7	19.6	275.6	4.69	65.98
14.0-15.0	627.5	17.2	292.8	4.12	70.11
15.0-16.0	512.0	15.0	307.8	3.59	73.70
16.0-17.0	417.5	13.0	320.8	3.11	76.81
17.0-18.0	341.4	11.3	332.1	2.70	79.51
18.0-19.0	280.3	9.8	341.9	2.33	81.84
19.0-20.0	231.3	8.5	350.3	2.03	83.87
20.0-21.0	192.6	7.4	357.7	1.77	85.64
21.0-22.0	161.7	6.5	364.2	1.56	87.20
22.0-23.0	136.7	5.7	370.0	1.37	88.57
23.0-24.0	116.7	5.1	375.1	1.22	89.79
24.0-25.0	100.3	4.6	379.6	1.09	90.88
25.0-26.0	86.9	4.1	383.7	0.98	91.87
26.0-27.0	75.7	3.7	387.4	0.89	92.75
27.0-28.0	66.1	3.3	390.8	0.80	93.55
28.0-29.0	57.8	3.0	393.8	0.72	94.28
29.0-30.0	50.5	2.7	396.5	0.65	94.93
30.0-31.0	44.1	2.5	399.0	0.59	95.52
31.0-32.0	38.6	2.2	401.2	0.53	96.05
32.0-33.0	33.9	2.0	403.2	0.48	96.53
33.0-34.0	29.7	1.8	405.0	0.43	96.96
34.0-35.0	26.1	1.6	406.6	0.39	97.34
35.0-36.0	23.0	1.5	408.1	0.35	97.69

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	20.2	1.3	409.4	0.32	98.01
37.0-38.0	17.8	1.2	410.6	0.29	98.29
38.0-39.0	15.8	1.1	411.6	0.26	98.55
39.0-40.0	13.9	1.0	412.6	0.23	98.79
40.0-41.0	12.1	0.9	413.5	0.21	98.99
41.0-42.0	10.4	0.8	414.2	0.18	99.17
42.0-43.0	8.9	0.7	414.9	0.16	99.33
43.0-44.0	7.4	0.6	415.5	0.13	99.47
44.0-45.0	6.1	0.5	415.9	0.11	99.58
45.0-46.0	5.0	0.4	416.3	0.09	99.67
46.0-47.0	4.0	0.3	416.6	0.08	99.75
47.0-48.0	3.1	0.3	416.9	0.06	99.81
48.0-49.0	2.4	0.2	417.1	0.05	99.86
49.0-50.0	1.8	0.1	417.2	0.04	99.89
50.0-51.0	1.4	0.1	417.4	0.03	99.92
51.0-52.0	1.0	0.1	417.4	0.02	99.94
52.0-53.0	0.8	0.1	417.5	0.02	99.96
53.0-54.0	0.7	0.1	417.6	0.02	99.97
54.0-55.0	0.5	0.0	417.6	0.01	99.98
55.0-56.0	0.3	0.0	417.7	0.01	99.99
56.0-57.0	0.1	0.0	417.7	0.00	99.99
57.0-58.0	0.1	0.0	417.7	0.00	100.00
58.0-59.0	0.1	0.0	417.7	0.00	100.00
59.0-60.0	0.1	0.0	417.7	0.00	100.00
60.0-61.0	0.1	0.0	417.7	0.00	100.00
61.0-62.0	0.0	0.0	417.7	0.00	100.00
62.0-63.0	0.0	0.0	417.7	0.00	100.00
63.0-64.0	0.0	0.0	417.7	0.00	100.00
64.0-65.0	0.0	0.0	417.7	0.00	100.00
65.0-66.0	0.0	0.0	417.7	0.00	100.00
66.0-67.0	0.0	0.0	417.7	0.00	100.00
67.0-68.0	0.0	0.0	417.7	0.00	100.00
68.0-69.0	0.0	0.0	417.7	0.00	100.00
69.0-70.0	0.0	0.0	417.7	0.00	100.00
70.0-71.0	0.0	0.0	417.7	0.00	100.00
71.0-72.0	0.0	0.0	417.7	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: 3.328 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	2530.2	2530.2								
G1.0	2527.5	2502.9								
G2.0	2498.6	2449.7								
G3.0	2444.1	2371.5								
G4.0	2366.2	2270.9								
G5.0	2267.4	2148.2								
G6.0	2146.8	2005.1								
G7.0	2008.9	1840.6								
G8.0	1852.4	1661.1								
G9.0	1679.6	1472.5								
G10.0	1493.7	1281.3								
G11.0	1299.7	1094.2								
G12.0	1104.5	917.8								
G13.0	923.5	757.5								
G14.0	761.4	620.2								
G15.0	622.1	506.1								
G16.0	506.3	413.4								
G17.0	412.0	338.3								
G18.0	335.5	279.8								
G19.0	274.2	231.5								
G20.0	225.7	193.8								
G21.0	187.2	163.9								
G22.0	155.9	139.8								
G23.0	131.2	120.1								
G24.0	111.5	103.9								
G25.0	95.6	90.4								
G26.0	82.8	79.0								
G27.0	72.0	69.0								
G28.0	62.8	60.5								
G29.0	54.9	52.9								
G30.0	47.7	46.4								
G31.0	41.8	40.5								
G32.0	36.6	35.6								
G33.0	32.2	31.0								
G34.0	28.1	27.4								
G35.0	24.7	24.2								
G36.0	21.6	21.4								

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	18.9	18.9								
G38.0	16.9	16.8								
G39.0	14.9	14.6								
G40.0	13.2	12.9								
G41.0	11.4	10.9								
G42.0	9.9	9.4								
G43.0	8.6	7.8								
G44.0	7.2	6.2								
G45.0	6.1	5.0								
G46.0	5.1	3.8								
G47.0	4.1	3.0								
G48.0	3.2	2.2								
G49.0	2.5	1.6								
G50.0	1.9	1.2								
G51.0	1.4	1.0								
G52.0	1.1	0.6								
G53.0	1.0	0.6								
G54.0	0.9	0.4								
G55.0	0.6	0.3								
G56.0	0.4	0.0								
G57.0	0.1	0.0								
G58.0	0.3	0.0								
G59.0	0.0	0.0								
G60.0	0.3	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: 3.328 m

Humidity:

Inspector:

Unit: cd

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