

Report No.: 52.05525 Euro Recessed
Downlight

Test Time: 2024-10-14 17:35

Luminaire Property

Luminaire Category:

Luminaire Description: 15D

Current: 0.056 A

Power Factor: 0.587

Voltage: 235.0 V

Power: 7.80 W

Photometric Results

CIE Class: Direct

Measurement Flux: 377.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H15.1

Vertical Diffuse Angle(50%): V15.1

Luminaire Efficacy Rating (LER): 48

Max. Intensity: 2990.59 cd

Total Rated Lamp Lumens: 377.6 lm

Efficiency: 100%

Upward Ratio: 0%

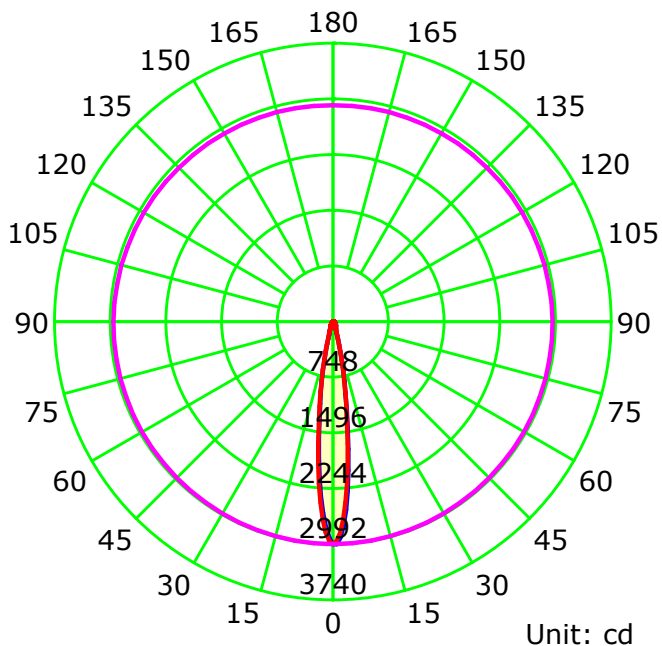
Central Intensity: 2988.22 cd

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

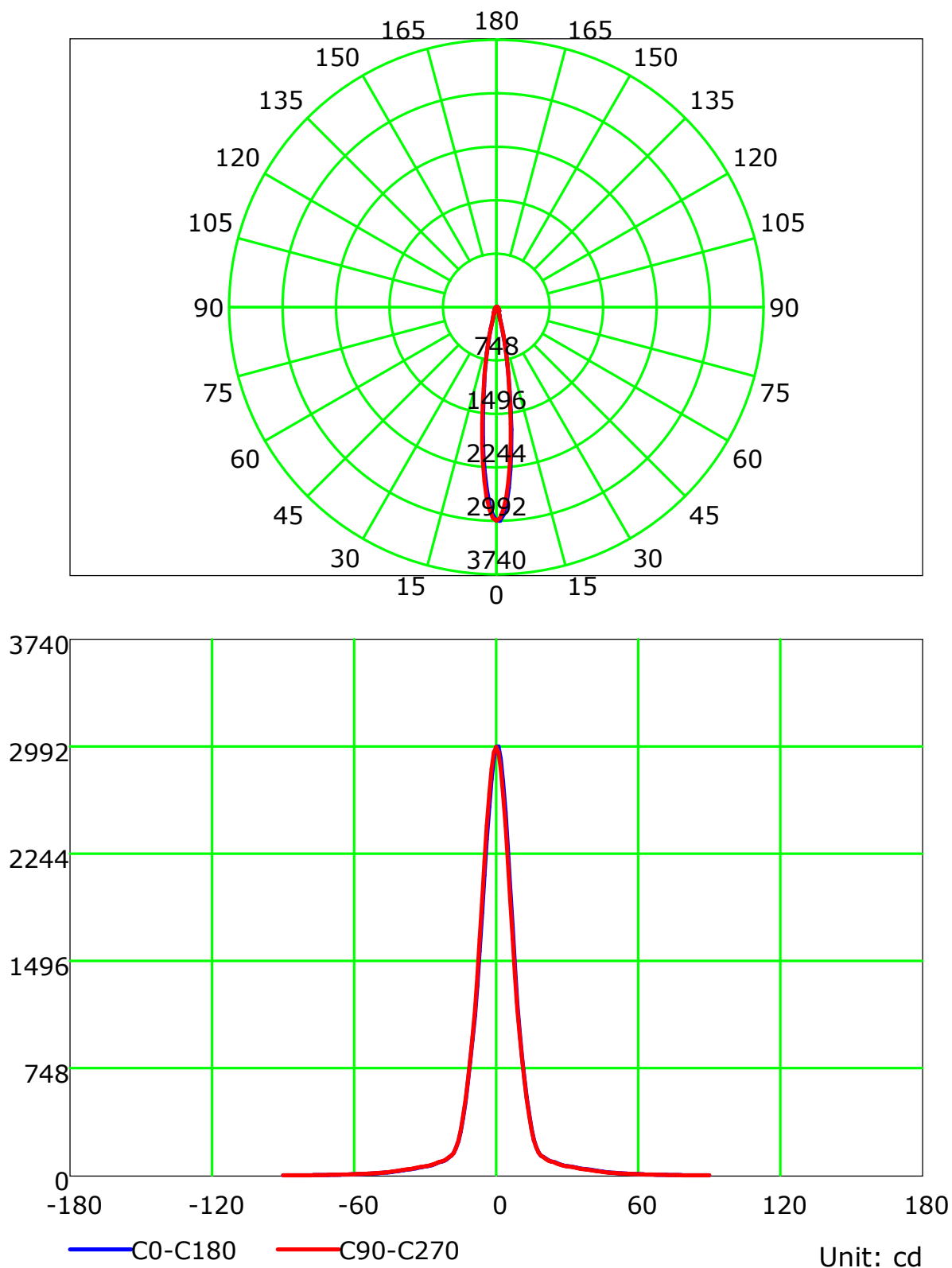
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

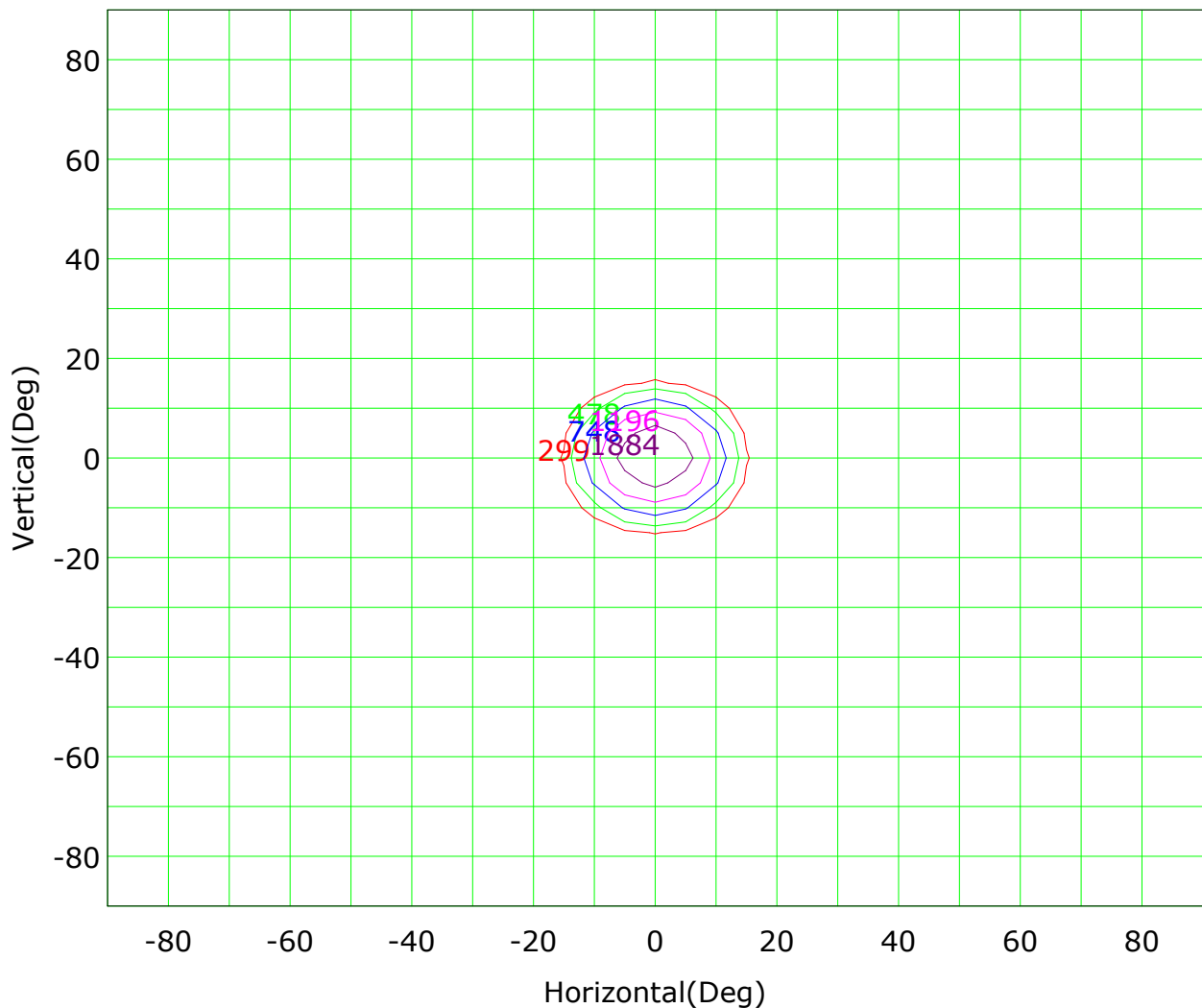
Luminous Intensity Distribution Curve



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%): 2991 cd

(10%): 299 cd	(16%): 478 cd
(25%): 748 cd	(40%): 1196 cd
(63%): 1884 cd	(100%): 2991 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

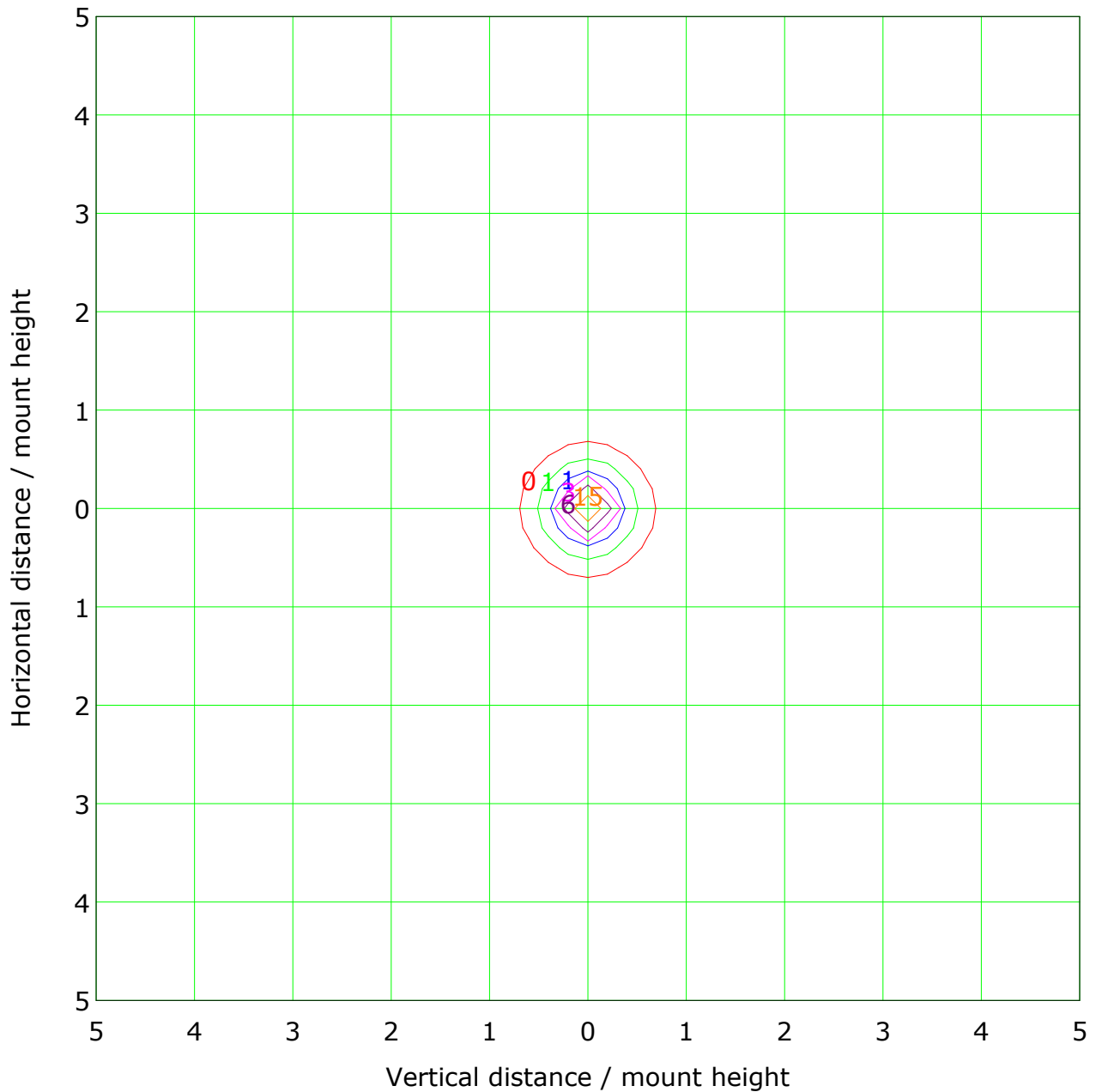
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

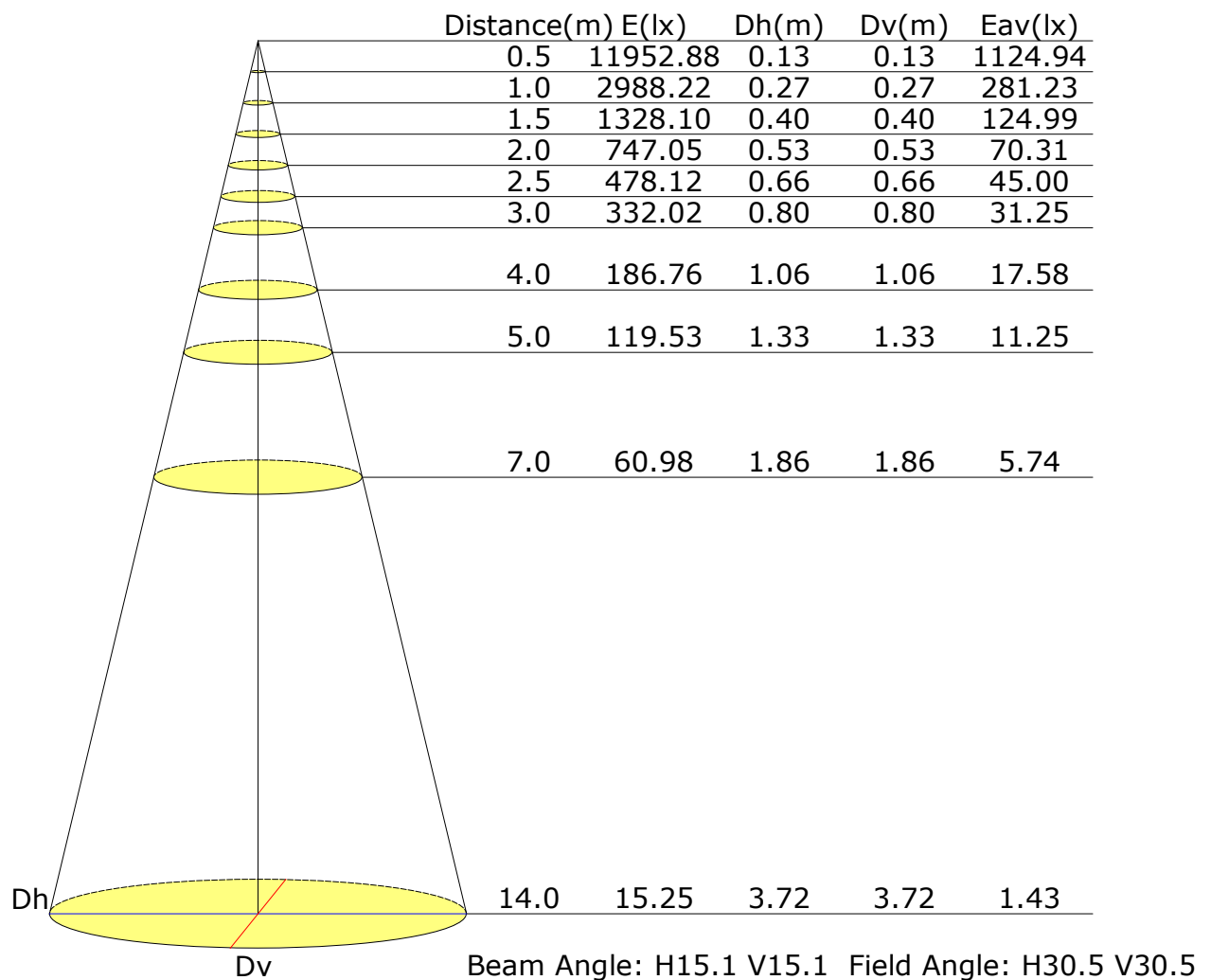


Mounting Height: 10m		Max Lux(100%): 30 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	1 lx	(10%):	3 lx
(20%):	6 lx	(50%):	15 lx
(100%):	30 lx		

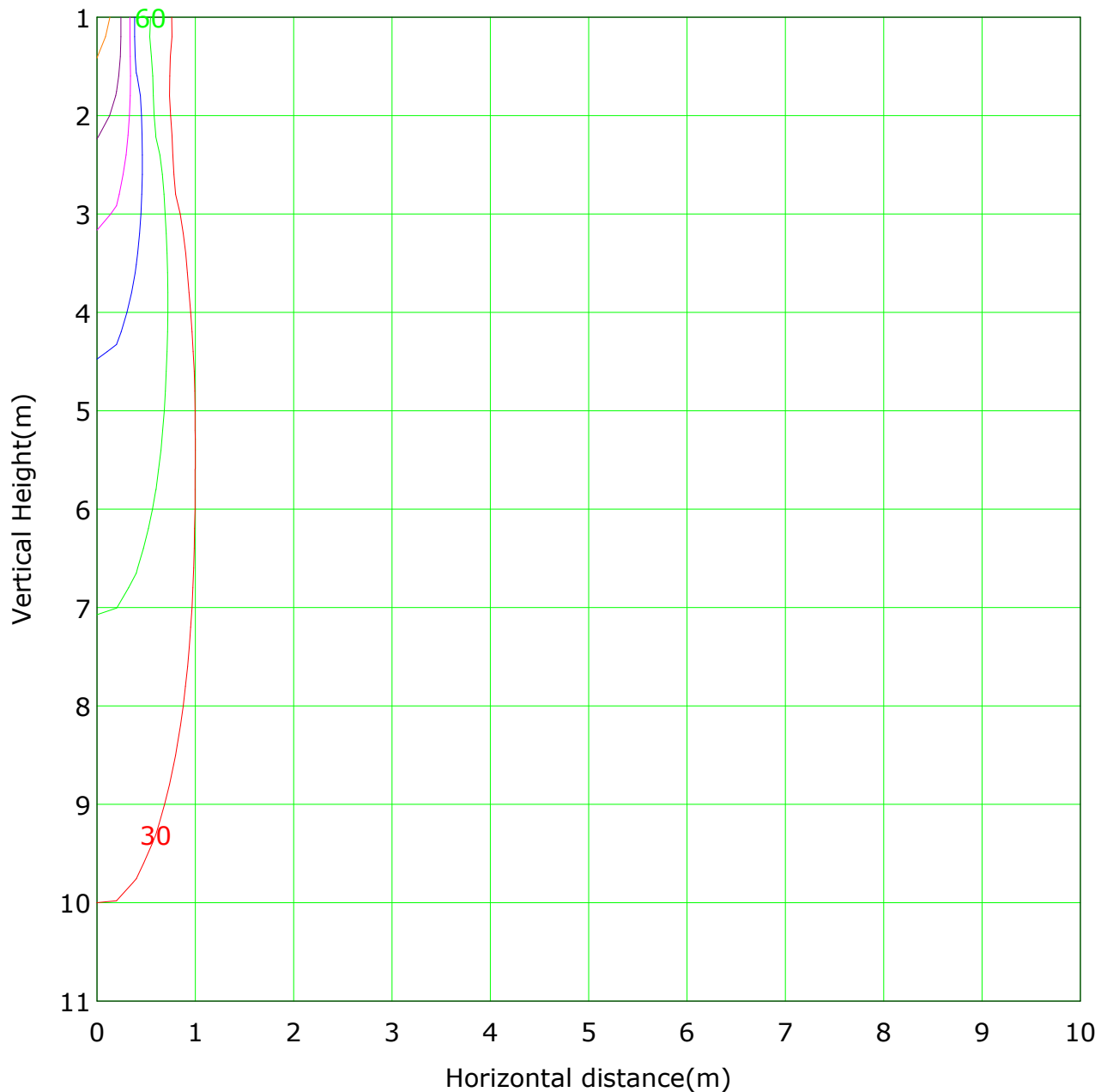
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



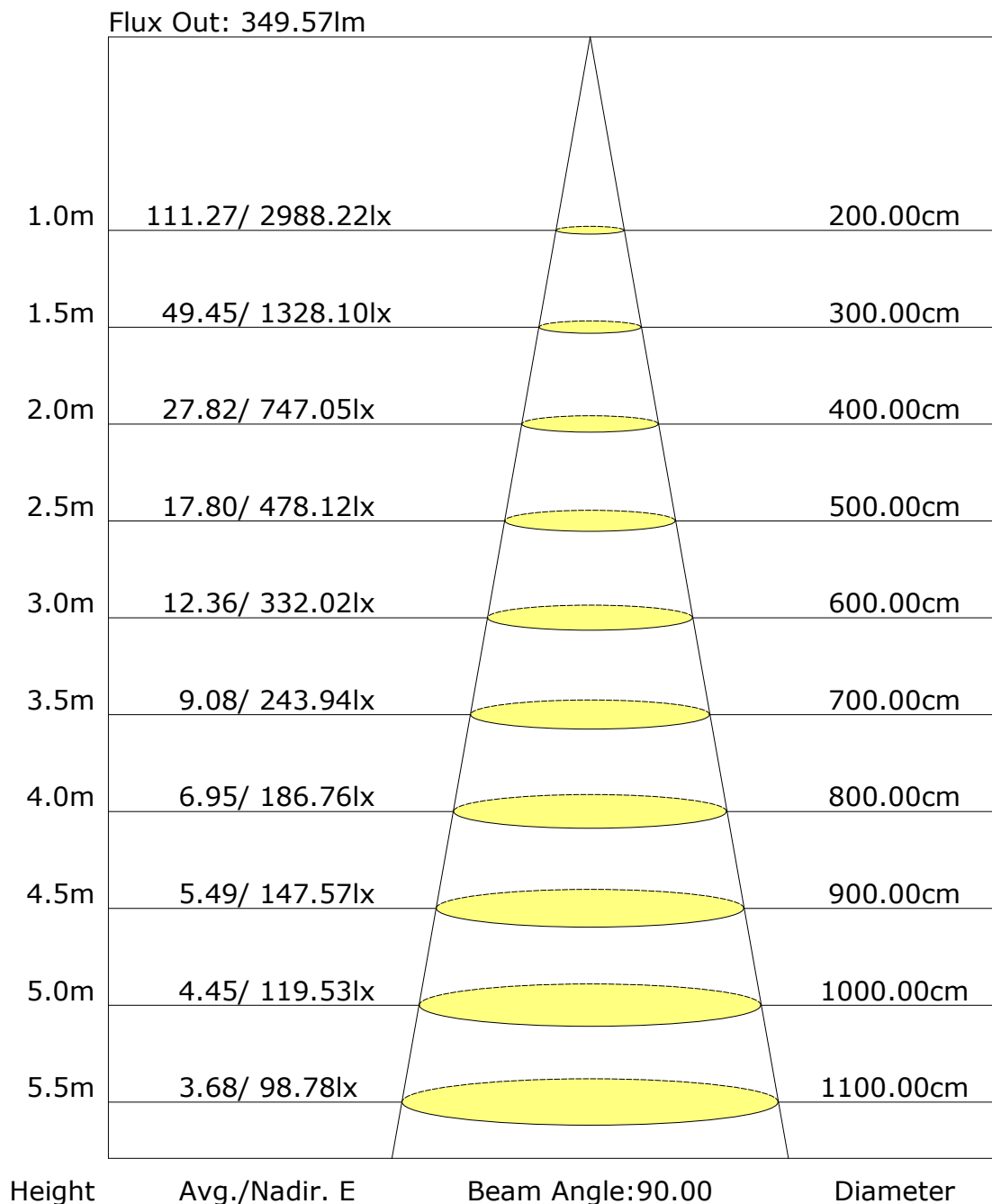
Lowest(m): 1m Highest(m): 11 Max Lux: 2988

(1%): 30 lx	(2%): 60 lx
(5%): 149 lx	(10%): 299 lx
(20%): 598 lx	(50%): 1494 lx
(100%): 2988 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	2969.1	2.8	2.8	0.75	0.75
1.0-2.0	2892.3	8.3	11.1	2.20	2.95
2.0-3.0	2746.7	13.1	24.3	3.48	6.43
3.0-4.0	2548.8	17.1	41.3	4.52	10.95
4.0-5.0	2313.2	19.9	61.2	5.27	16.22
5.0-6.0	2054.4	21.6	82.8	5.72	21.94
6.0-7.0	1783.8	22.1	105.0	5.86	27.80
7.0-8.0	1516.4	21.7	126.7	5.75	33.55
8.0-9.0	1271.5	20.6	147.3	5.46	39.01
9.0-10.0	1061.9	19.2	166.5	5.09	44.10
10.0-11.0	886.8	17.7	184.2	4.69	48.79
11.0-12.0	735.0	16.1	200.3	4.26	53.05
12.0-13.0	596.5	14.2	214.5	3.75	56.80
13.0-14.0	471.1	12.1	226.5	3.19	59.99
14.0-15.0	365.2	10.0	236.6	2.66	62.65
15.0-16.0	281.0	8.2	244.8	2.18	64.83
16.0-17.0	218.5	6.8	251.6	1.80	66.63
17.0-18.0	174.9	5.8	257.4	1.53	68.16
18.0-19.0	147.9	5.1	262.5	1.36	69.52
19.0-20.0	132.6	4.9	267.4	1.29	70.80
20.0-21.0	121.0	4.6	272.0	1.23	72.03
21.0-22.0	109.7	4.4	276.4	1.17	73.20
22.0-23.0	101.2	4.2	280.7	1.13	74.33
23.0-24.0	96.1	4.2	284.9	1.11	75.44
24.0-25.0	91.3	4.2	289.0	1.10	76.54
25.0-26.0	84.9	4.0	293.0	1.06	77.60
26.0-27.0	78.0	3.8	296.8	1.01	78.61
27.0-28.0	72.3	3.7	300.5	0.97	79.58
28.0-29.0	67.9	3.6	304.1	0.94	80.52
29.0-30.0	64.8	3.5	307.6	0.93	81.45
30.0-31.0	62.6	3.5	311.0	0.92	82.37
31.0-32.0	60.2	3.5	314.5	0.91	83.28
32.0-33.0	57.2	3.4	317.9	0.89	84.18
33.0-34.0	53.8	3.3	321.1	0.86	85.04
34.0-35.0	50.4	3.1	324.3	0.83	85.87
35.0-36.0	47.2	3.0	327.3	0.80	86.66

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	44.6	2.9	330.2	0.77	87.43
37.0-38.0	42.4	2.8	333.0	0.75	88.18
38.0-39.0	40.3	2.8	335.7	0.73	88.91
39.0-40.0	37.9	2.6	338.4	0.70	89.61
40.0-41.0	35.2	2.5	340.9	0.66	90.28
41.0-42.0	32.5	2.4	343.3	0.63	90.90
42.0-43.0	30.1	2.2	345.5	0.59	91.49
43.0-44.0	27.9	2.1	347.6	0.56	92.05
44.0-45.0	25.7	2.0	349.6	0.52	92.57
45.0-46.0	23.7	1.9	351.4	0.49	93.06
46.0-47.0	22.0	1.8	353.2	0.46	93.53
47.0-48.0	20.3	1.6	354.8	0.44	93.96
48.0-49.0	18.8	1.5	356.4	0.41	94.37
49.0-50.0	17.5	1.5	357.8	0.39	94.76
50.0-51.0	16.3	1.4	359.2	0.37	95.13
51.0-52.0	15.2	1.3	360.5	0.35	95.47
52.0-53.0	14.1	1.2	361.7	0.33	95.80
53.0-54.0	13.1	1.2	362.9	0.30	96.10
54.0-55.0	12.2	1.1	364.0	0.29	96.39
55.0-56.0	11.4	1.0	365.0	0.27	96.66
56.0-57.0	10.6	1.0	366.0	0.26	96.92
57.0-58.0	9.9	0.9	366.9	0.24	97.16
58.0-59.0	9.3	0.9	367.8	0.23	97.39
59.0-60.0	8.8	0.8	368.6	0.22	97.61
60.0-61.0	8.1	0.8	369.4	0.21	97.82
61.0-62.0	7.6	0.7	370.1	0.19	98.01
62.0-63.0	7.1	0.7	370.8	0.18	98.19
63.0-64.0	6.5	0.6	371.4	0.17	98.36
64.0-65.0	6.2	0.6	372.0	0.16	98.53
65.0-66.0	5.8	0.6	372.6	0.15	98.68
66.0-67.0	5.3	0.5	373.2	0.14	98.82
67.0-68.0	4.9	0.5	373.7	0.13	98.96
68.0-69.0	4.6	0.5	374.1	0.12	99.08
69.0-70.0	4.2	0.4	374.6	0.11	99.19
70.0-71.0	3.8	0.4	375.0	0.10	99.30
71.0-72.0	3.4	0.4	375.3	0.09	99.39

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	2988.2	2988.2								
G1.0	2990.6	2909.5								
G2.0	2905.3	2763.9								
G3.0	2746.6	2570.8								
G4.0	2534.0	2343.6								
G5.0	2281.6	2093.7								
G6.0	2009.7	1832.4								
G7.0	1727.3	1565.7								
G8.0	1451.2	1321.4								
G9.0	1198.4	1115.0								
G10.0	988.2	946.1								
G11.0	816.3	796.5								
G12.0	675.4	651.9								
G13.0	542.9	515.8								
G14.0	424.7	401.1								
G15.0	326.0	309.0								
G16.0	249.5	239.6								
G17.0	194.7	190.1								
G18.0	158.9	155.9								
G19.0	137.1	139.5								
G20.0	128.1	125.8								
G21.0	118.2	111.9								
G22.0	107.3	101.7								
G23.0	99.3	96.7								
G24.0	95.7	92.7								
G25.0	91.1	85.8								
G26.0	84.1	78.5								
G27.0	76.8	72.6								
G28.0	71.4	68.2								
G29.0	67.4	64.6								
G30.0	65.1	62.2								
G31.0	63.4	59.7								
G32.0	61.1	56.7								
G33.0	57.7	53.4								
G34.0	54.5	49.7								
G35.0	51.0	46.3								
G36.0	47.9	43.6								

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	45.6	41.2								
G38.0	43.6	39.2								
G39.0	41.6	36.8								
G40.0	39.1	34.0								
G41.0	36.3	31.3								
G42.0	33.8	28.8								
G43.0	31.3	26.7								
G44.0	29.0	24.5								
G45.0	26.7	22.6								
G46.0	24.7	20.9								
G47.0	22.8	19.6								
G48.0	20.9	18.0								
G49.0	19.5	16.9								
G50.0	18.1	15.6								
G51.0	16.9	14.6								
G52.0	15.8	13.7								
G53.0	14.4	12.7								
G54.0	13.4	11.8								
G55.0	12.5	10.9								
G56.0	11.9	10.2								
G57.0	10.9	9.6								
G58.0	10.2	8.9								
G59.0	9.6	8.6								
G60.0	8.9	7.9								
G61.0	8.3	7.3								
G62.0	7.8	6.9								
G63.0	7.1	6.6								
G64.0	6.7	5.8								
G65.0	6.3	5.8								
G66.0	6.0	5.2								
G67.0	5.5	4.7								
G68.0	5.1	4.5								
G69.0	4.7	4.1								
G70.0	4.2	3.6								
G71.0	3.8	3.3								
G72.0	3.6	3.0								
G73.0	3.2	2.9								

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: