

Report No.: 52.09531 Intero Recessed  
Downlight

Test Time: 2024-10-13 17:23

## Luminaire Property

Luminaire Category:

Luminaire Description: 内调95 15D

Current: 0.188 A

Power Factor: 0.984

Voltage: 227.7 V

Power: 42.20 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 4688.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H26.1

Vertical Diffuse Angle(50%): V26.1

Luminaire Efficacy Rating (LER): 111

Max. Intensity: 17918 cd

Total Rated Lamp Lumens: 4688.9 lm

Efficiency: 100%

Upward Ratio: 0%

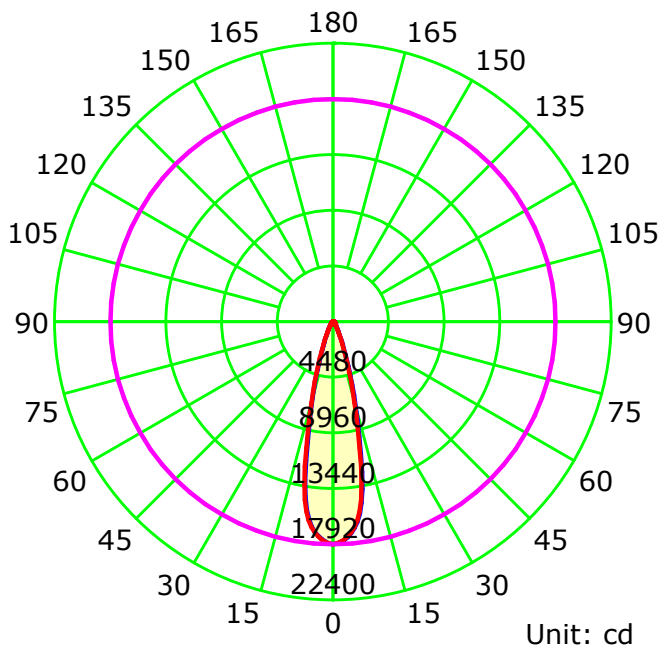
Central Intensity: 17918 cd

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

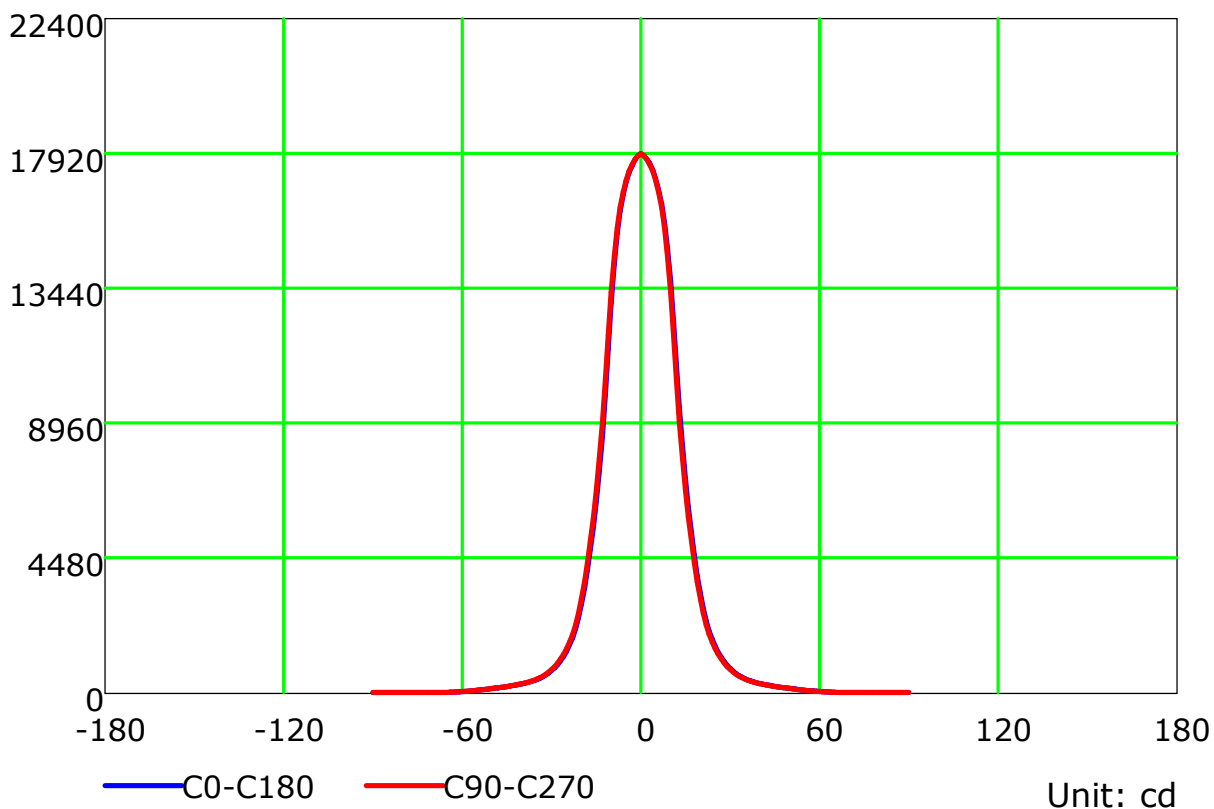
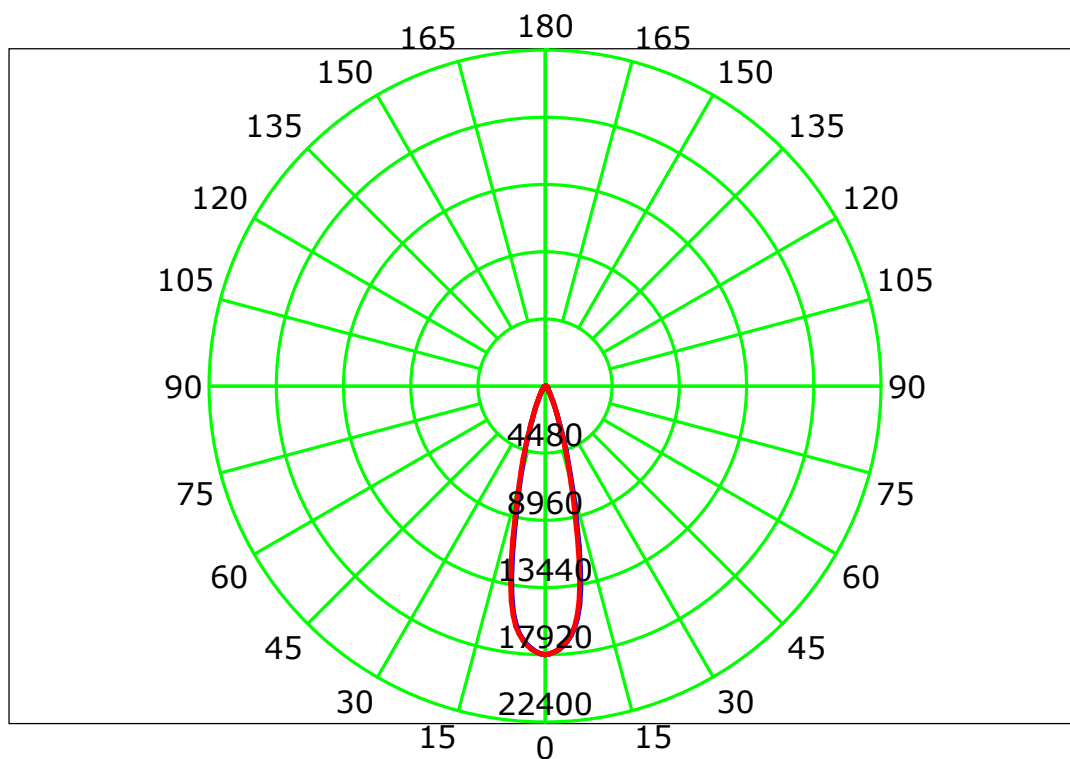
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

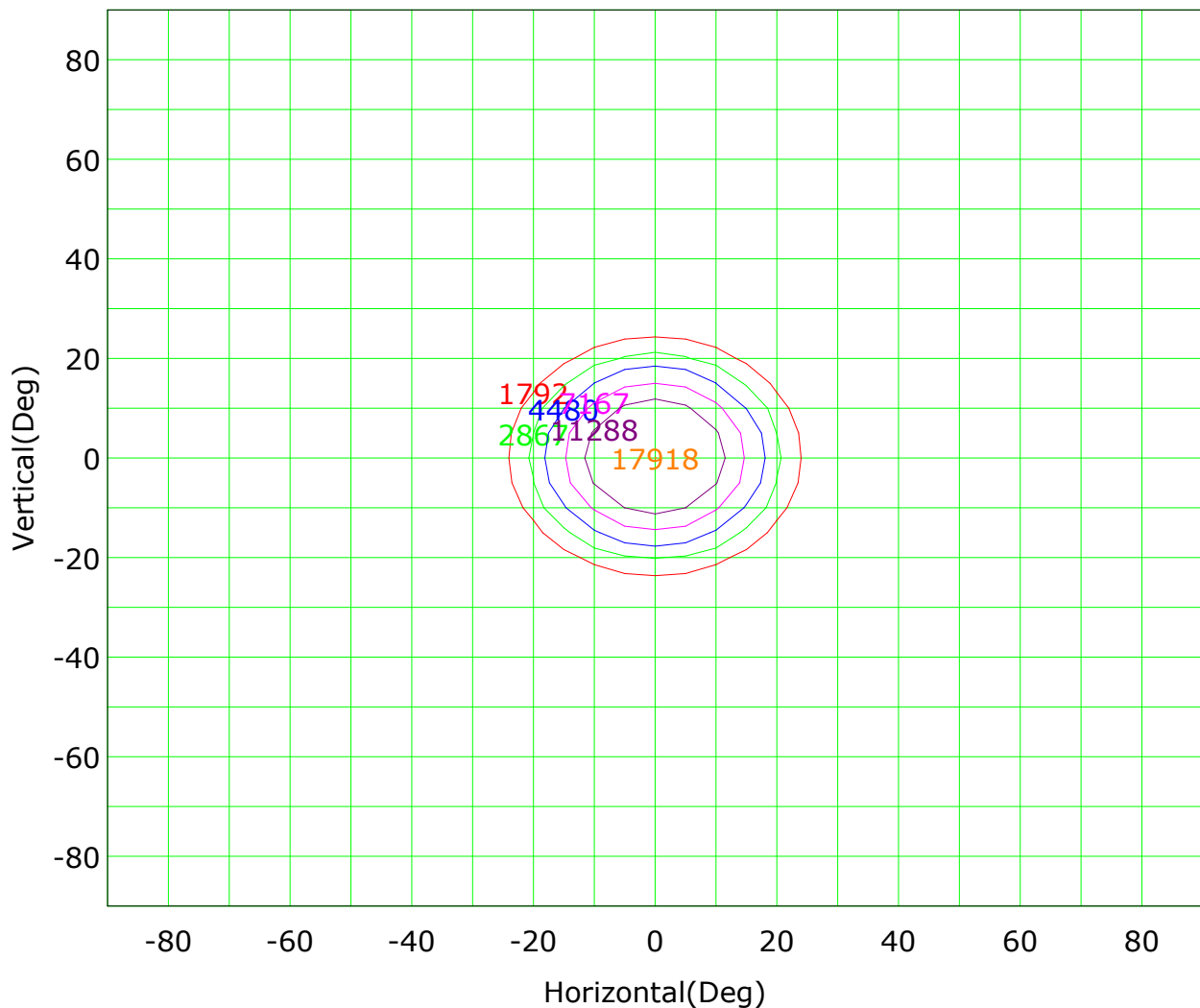
## Luminous Intensity Distribution Curve



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%): 17918 cd

( 10%): 1792 cd	( 16%): 2867 cd
( 25%): 4480 cd	( 40%): 7167 cd
( 63%): 11288 cd	(100%): 17918 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

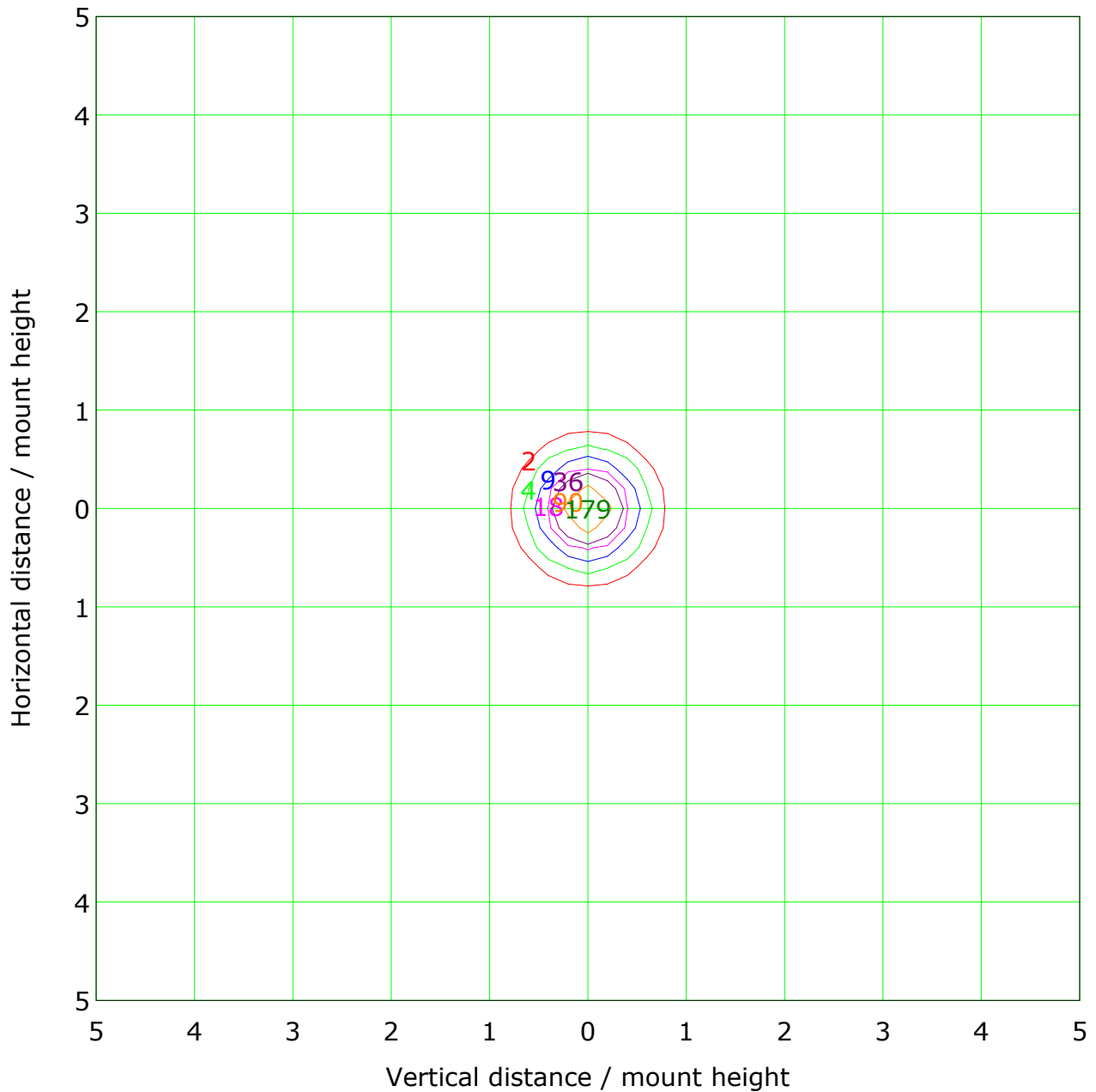
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 179 lx

( 1%):	2 lx	( 2%):	4 lx
( 5%):	9 lx	( 10%):	18 lx
( 20%):	36 lx	( 50%):	90 lx
(100%):	179 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

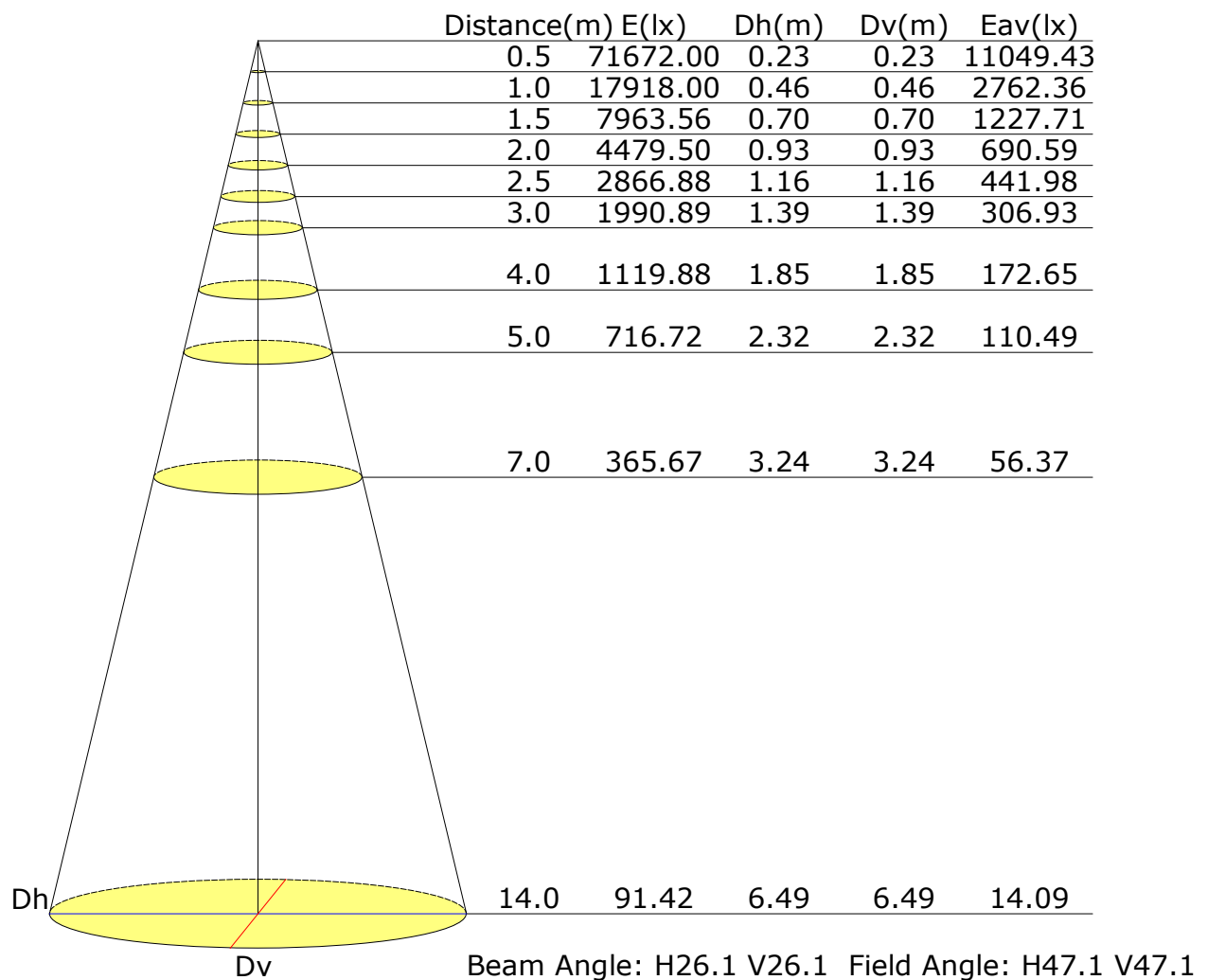
Test Device: CHL-6E

Distance: 3.328 m

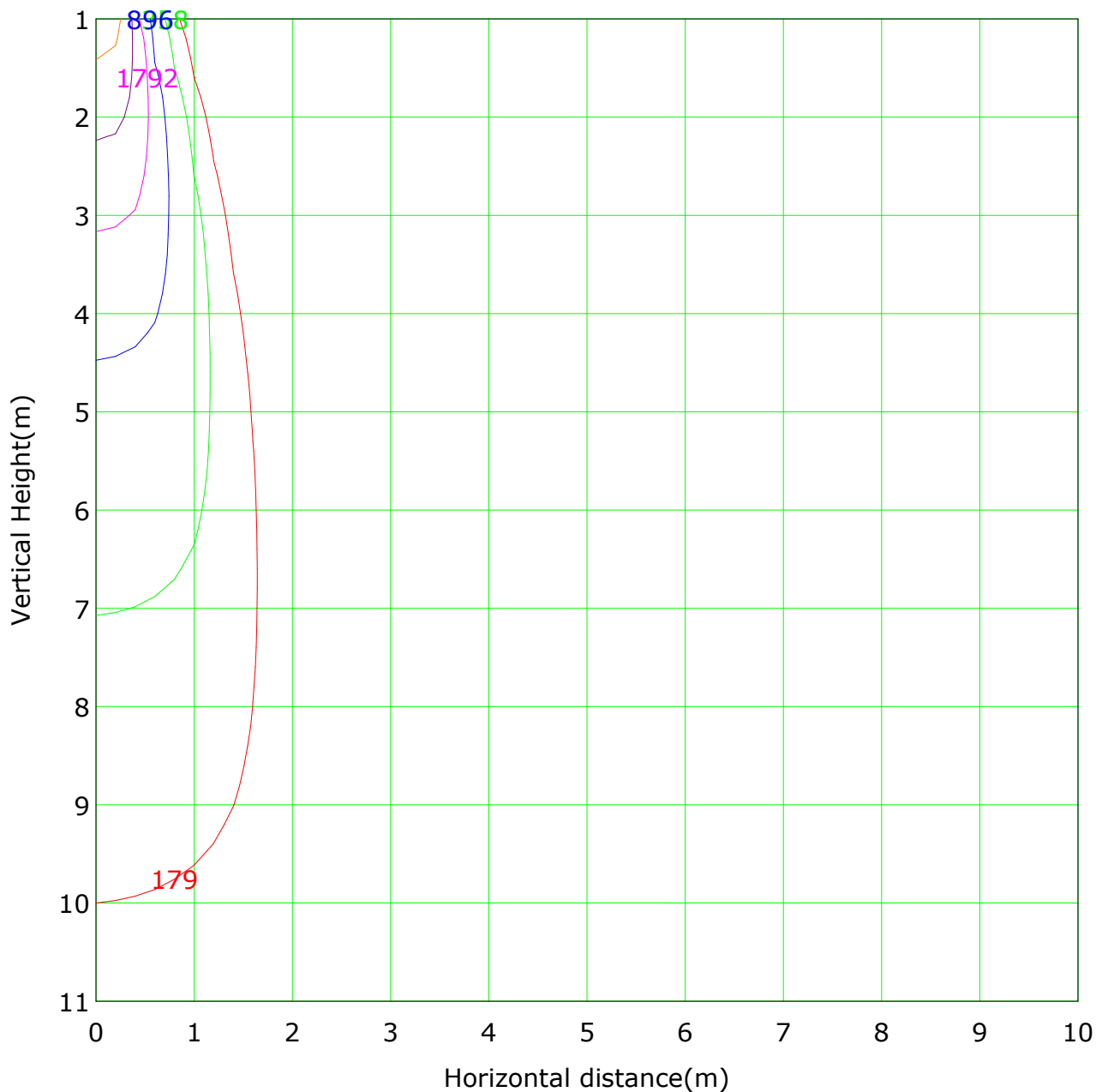
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



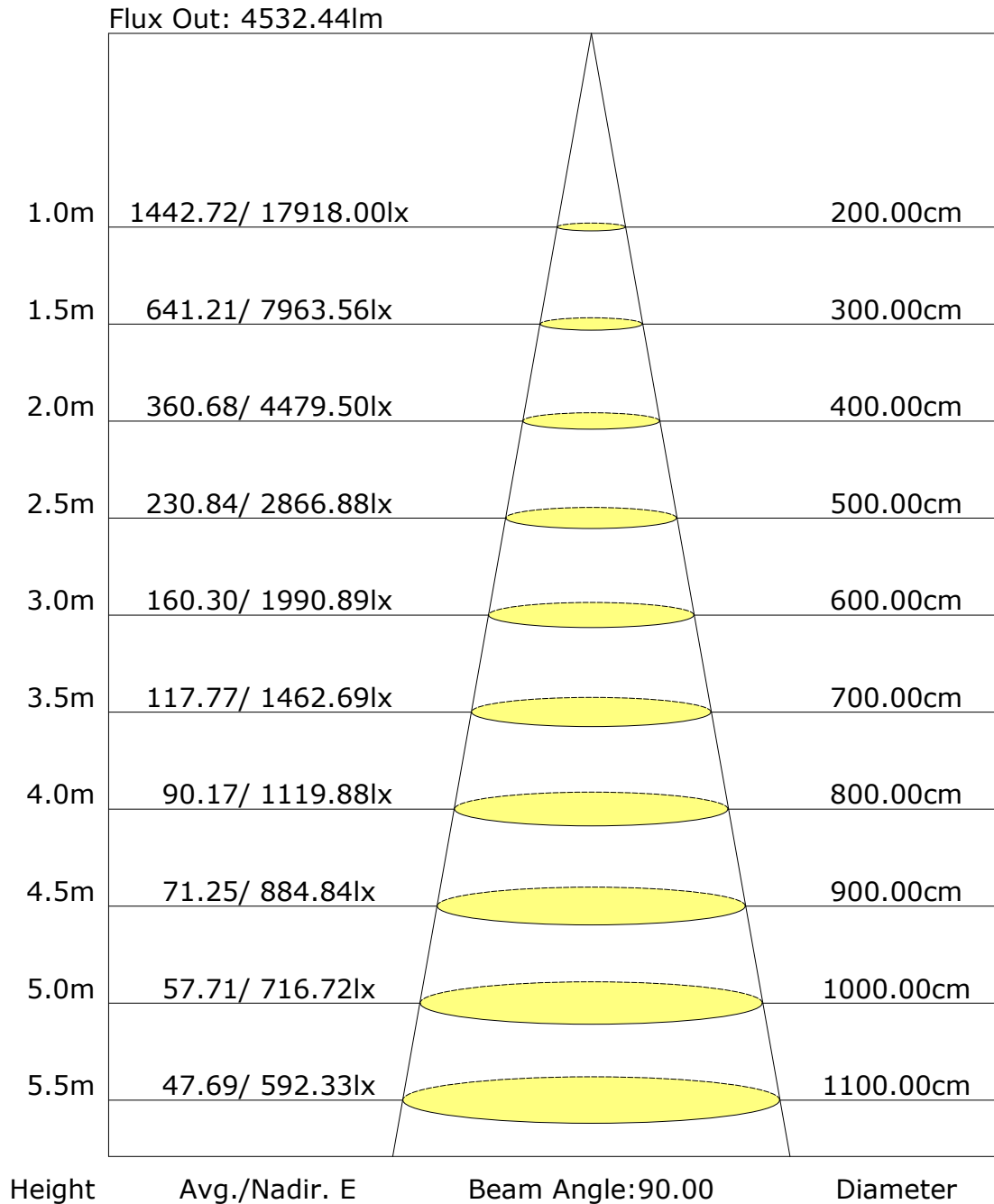
Lowest(m): 1m    Highest(m): 11    Max Lux: 17918

( 1%): 179 lx	( 2%): 358 lx
( 5%): 896 lx	( 10%): 1792 lx
( 20%): 3584 lx	( 50%): 8959 lx
(100%): 17918 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	17885.6	17.1	17.1	0.37	0.37
1.0-2.0	17791.8	51.1	68.2	1.09	1.45
2.0-3.0	17646.5	84.4	152.6	1.80	3.25
3.0-4.0	17448.3	116.8	269.4	2.49	5.75
4.0-5.0	17182.5	147.8	417.2	3.15	8.90
5.0-6.0	16836.9	177.0	594.2	3.77	12.67
6.0-7.0	16381.5	203.4	797.6	4.34	17.01
7.0-8.0	15778.5	225.8	1023.4	4.82	21.83
8.0-9.0	14974.1	242.7	1266.1	5.18	27.00
9.0-10.0	13910.0	251.8	1517.9	5.37	32.37
10.0-11.0	12595.1	251.7	1769.6	5.37	37.74
11.0-12.0	11138.8	243.5	2013.1	5.19	42.93
12.0-13.0	9696.7	230.2	2243.3	4.91	47.84
13.0-14.0	8389.3	214.8	2458.0	4.58	52.42
14.0-15.0	7265.4	199.5	2657.5	4.25	56.68
15.0-16.0	6300.5	184.6	2842.2	3.94	60.62
16.0-17.0	5446.6	169.6	3011.8	3.62	64.23
17.0-18.0	4679.9	154.3	3166.1	3.29	67.52
18.0-19.0	3994.6	139.0	3305.1	2.96	70.49
19.0-20.0	3391.5	124.1	3429.3	2.65	73.14
20.0-21.0	2874.8	110.4	3539.7	2.35	75.49
21.0-22.0	2445.9	98.3	3638.0	2.10	77.59
22.0-23.0	2095.9	88.0	3725.9	1.88	79.46
23.0-24.0	1808.9	79.1	3805.0	1.69	81.15
24.0-25.0	1572.0	71.5	3876.5	1.52	82.67
25.0-26.0	1371.9	64.8	3941.3	1.38	84.06
26.0-27.0	1200.5	58.7	4000.0	1.25	85.31
27.0-28.0	1053.7	53.4	4053.4	1.14	86.45
28.0-29.0	927.5	48.5	4101.9	1.04	87.48
29.0-30.0	819.7	44.3	4146.2	0.94	88.43
30.0-31.0	727.4	40.5	4186.7	0.86	89.29
31.0-32.0	648.6	37.2	4223.8	0.79	90.08
32.0-33.0	580.6	34.2	4258.0	0.73	90.81
33.0-34.0	522.0	31.6	4289.6	0.67	91.49
34.0-35.0	471.5	29.3	4318.9	0.62	92.11
35.0-36.0	428.5	27.3	4346.2	0.58	92.69

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	393.0	25.6	4371.8	0.55	93.24
37.0-38.0	361.8	24.2	4396.0	0.52	93.75
38.0-39.0	333.8	22.8	4418.8	0.49	94.24
39.0-40.0	308.5	21.5	4440.3	0.46	94.70
40.0-41.0	286.7	20.4	4460.7	0.44	95.13
41.0-42.0	267.1	19.4	4480.1	0.41	95.55
42.0-43.0	248.7	18.4	4498.6	0.39	95.94
43.0-44.0	231.3	17.5	4516.0	0.37	96.31
44.0-45.0	213.8	16.4	4532.4	0.35	96.66
45.0-46.0	198.2	15.5	4547.9	0.33	96.99
46.0-47.0	183.6	14.6	4562.5	0.31	97.31
47.0-48.0	169.2	13.7	4576.2	0.29	97.60
48.0-49.0	156.8	12.9	4589.1	0.27	97.87
49.0-50.0	144.6	12.1	4601.2	0.26	98.13
50.0-51.0	132.5	11.2	4612.4	0.24	98.37
51.0-52.0	120.6	10.4	4622.7	0.22	98.59
52.0-53.0	108.8	9.5	4632.2	0.20	98.79
53.0-54.0	97.5	8.6	4640.8	0.18	98.97
54.0-55.0	87.3	7.8	4648.6	0.17	99.14
55.0-56.0	77.3	7.0	4655.6	0.15	99.29
56.0-57.0	67.3	6.2	4661.7	0.13	99.42
57.0-58.0	57.3	5.3	4667.0	0.11	99.53
58.0-59.0	48.6	4.5	4671.6	0.10	99.63
59.0-60.0	41.1	3.9	4675.5	0.08	99.71
60.0-61.0	34.3	3.3	4678.7	0.07	99.78
61.0-62.0	29.6	2.9	4681.6	0.06	99.84
62.0-63.0	24.6	2.4	4684.0	0.05	99.90
63.0-64.0	18.1	1.8	4685.7	0.04	99.93
64.0-65.0	12.8	1.3	4687.0	0.03	99.96
65.0-66.0	9.7	1.0	4688.0	0.02	99.98
66.0-67.0	6.2	0.6	4688.6	0.01	99.99
67.0-68.0	2.2	0.2	4688.8	0.00	100.00
68.0-69.0	0.3	0.0	4688.9	0.00	100.00
69.0-70.0	0.0	0.0	4688.9	0.00	100.00
70.0-71.0	0.0	0.0	4688.9	0.00	100.00
71.0-72.0	0.0	0.0	4688.9	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	17918.0	17918.0								
G1.0	17853.2	17853.2								
G2.0	17738.5	17722.3								
G3.0	17601.4	17524.1								
G4.0	17384.4	17283.5								
G5.0	17081.5	16980.5								
G6.0	16718.7	16566.6								
G7.0	16241.3	15999.4								
G8.0	15614.2	15258.9								
G9.0	14770.2	14252.9								
G10.0	13678.2	12938.9								
G11.0	12338.0	11425.5								
G12.0	10889.4	9902.1								
G13.0	9478.2	8517.1								
G14.0	8204.2	7357.7								
G15.0	7118.3	6381.6								
G16.0	6173.4	5528.9								
G17.0	5323.2	4760.9								
G18.0	4559.0	4076.5								
G19.0	3880.8	3461.9								
G20.0	3291.1	2932.1								
G21.0	2790.0	2485.8								
G22.0	2383.6	2124.3								
G23.0	2045.7	1830.1								
G24.0	1772.7	1587.0								
G25.0	1545.8	1382.5								
G26.0	1350.1	1209.2								
G27.0	1180.6	1062.1								
G28.0	1037.2	935.0								
G29.0	910.0	827.8								
G30.0	805.3	735.5								
G31.0	715.6	653.2								
G32.0	638.3	587.2								
G33.0	568.5	528.6								
G34.0	512.4	478.7								
G35.0	462.5	432.6								
G36.0	422.6	396.4								

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	389.0	364.0								
G38.0	357.8	336.6								
G39.0	329.1	311.7								
G40.0	304.2	289.2								
G41.0	284.2	269.3								
G42.0	263.0	251.8								
G43.0	245.6	234.4								
G44.0	226.9	218.2								
G45.0	208.2	202.0								
G46.0	194.5	188.2								
G47.0	178.3	173.3								
G48.0	165.8	159.6								
G49.0	152.1	149.6								
G50.0	139.6	137.1								
G51.0	128.4	124.7								
G52.0	117.2	112.2								
G53.0	103.5	102.2								
G54.0	93.5	91.0								
G55.0	83.5	81.0								
G56.0	73.6	71.1								
G57.0	63.6	61.1								
G58.0	54.8	49.9								
G59.0	47.4	42.4								
G60.0	38.7	36.2								
G61.0	32.4	29.9								
G62.0	28.7	27.4								
G63.0	22.4	20.0								
G64.0	16.2	13.7								
G65.0	11.2	10.0								
G66.0	8.7	8.7								
G67.0	3.7	3.7								
G68.0	1.3	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: