

Report No.: 52.07523 Intero Recessed  
Downlight

Test Time: 2024-10-13 17:46

## Luminaire Property

Luminaire Category:

Luminaire Description: 内调75 50D

Current: 0.139 A

Power Factor: 0.977

Voltage: 233.6 V

Power: 32.00 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 3602.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H58.5

Vertical Diffuse Angle(50%): V58.5

Luminaire Efficacy Rating (LER): 113

Max. Intensity: 4199.94 cd

Total Rated Lamp Lumens: 3602.6 lm

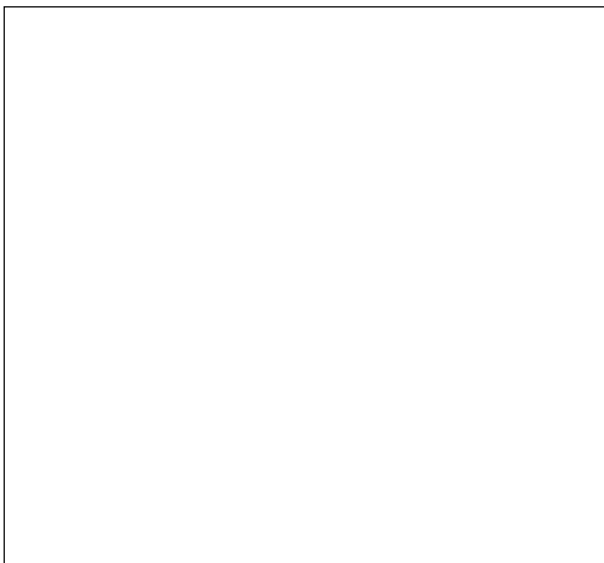
Efficiency: 100%

Upward Ratio: 0%

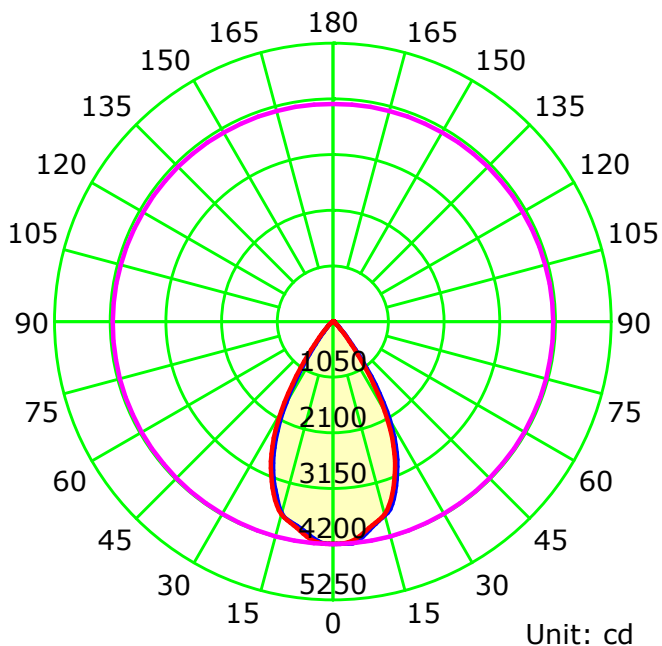
Central Intensity: 4191.21 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

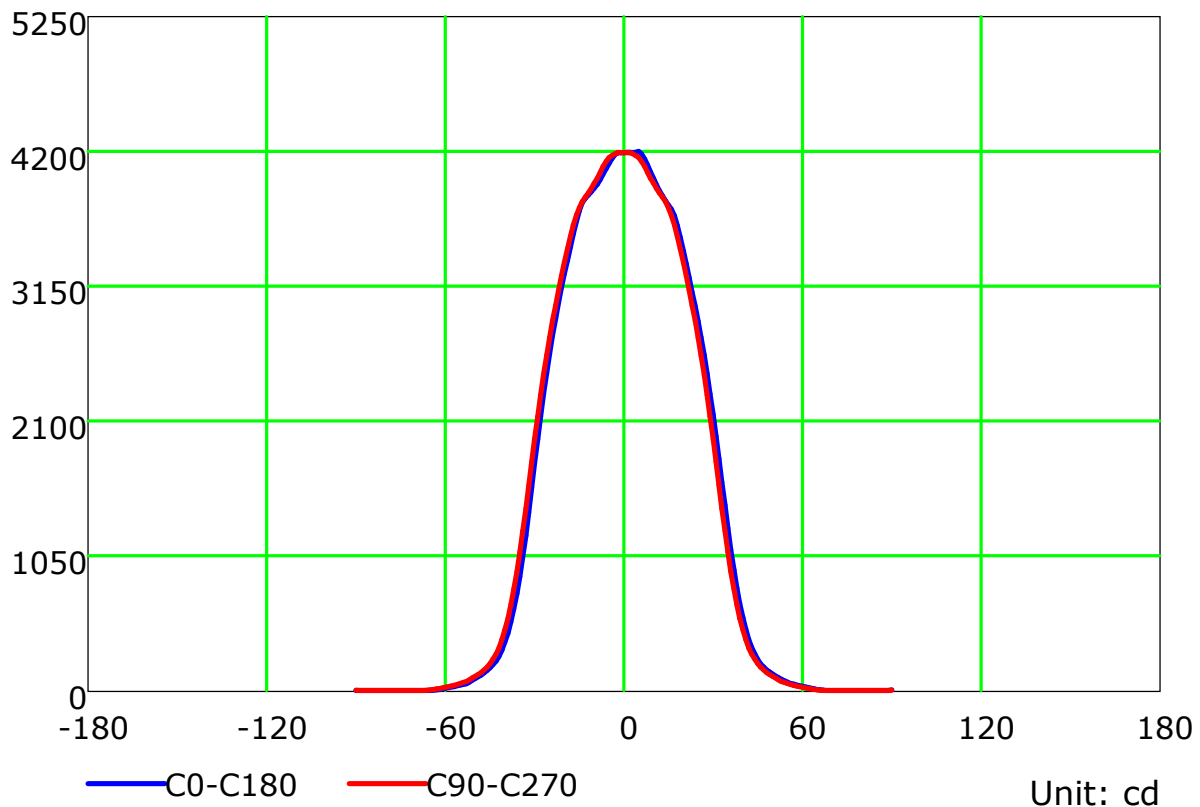
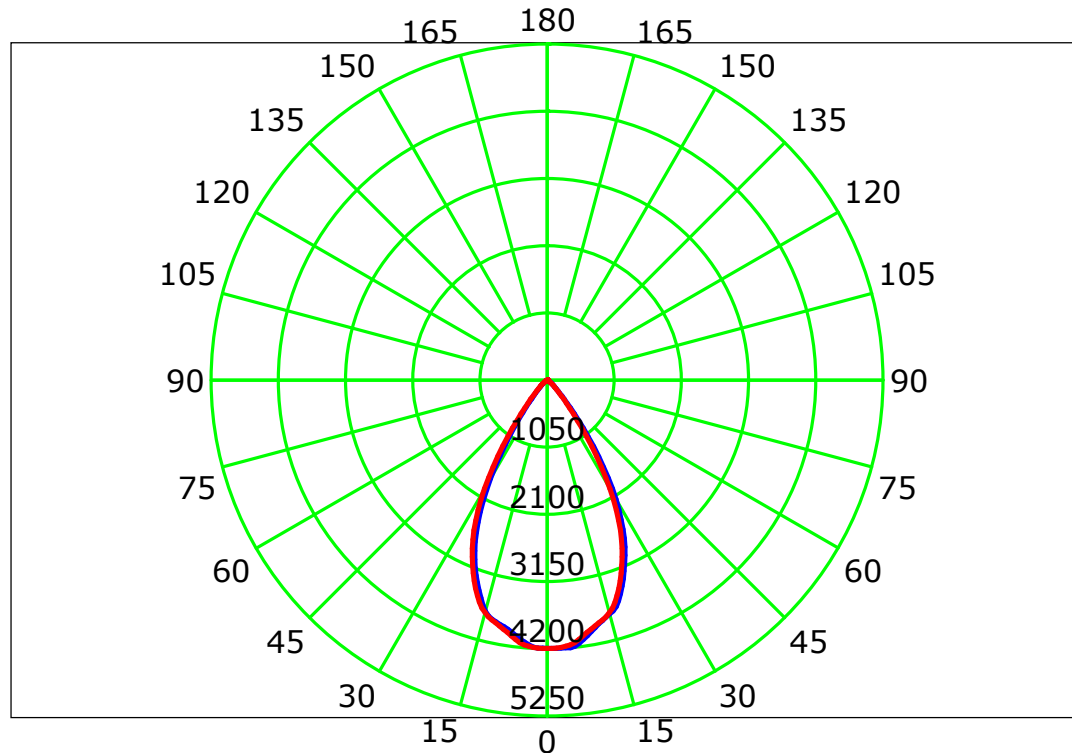
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

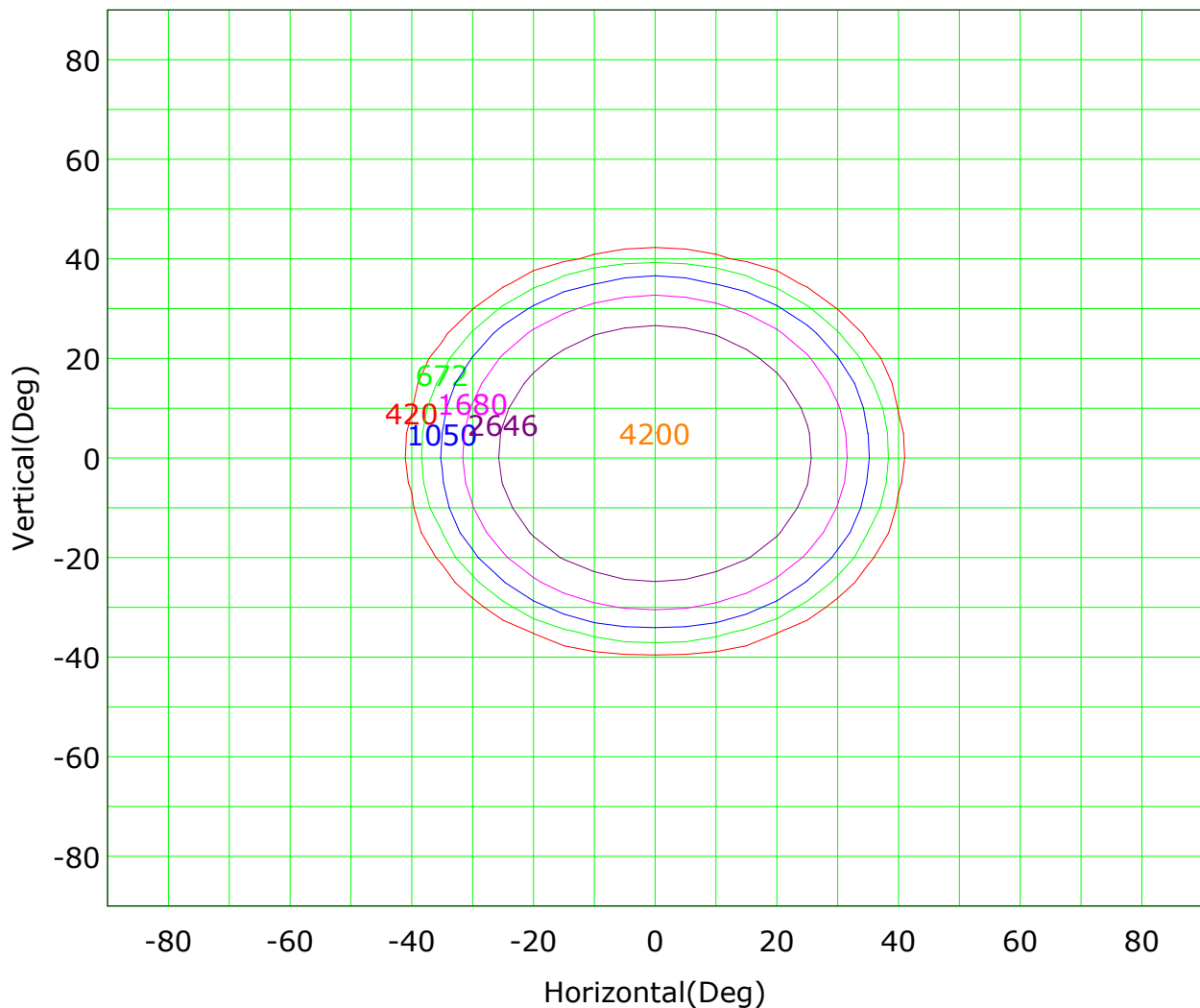
## Luminous Intensity Distribution Curve



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%): 4200 cd

( 10%): 420 cd	( 16%): 672 cd
( 25%): 1050 cd	( 40%): 1680 cd
( 63%): 2646 cd	(100%): 4200 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

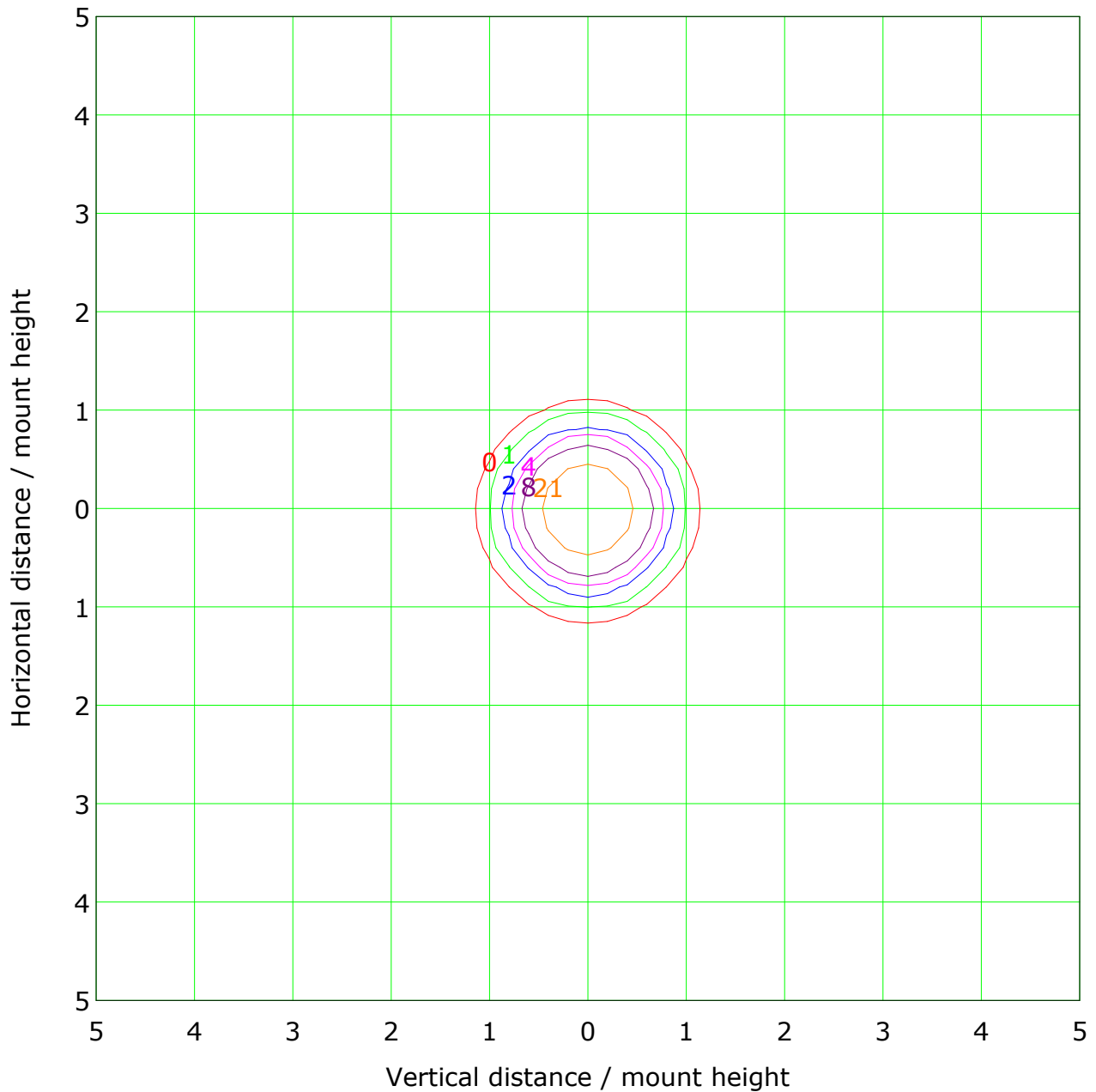
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 42 lx	
— ( 1%):	0 lx	— ( 2%):	1 lx
— ( 5%):	2 lx	— ( 10%):	4 lx
— ( 20%):	8 lx	— ( 50%):	21 lx
— (100%):	42 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

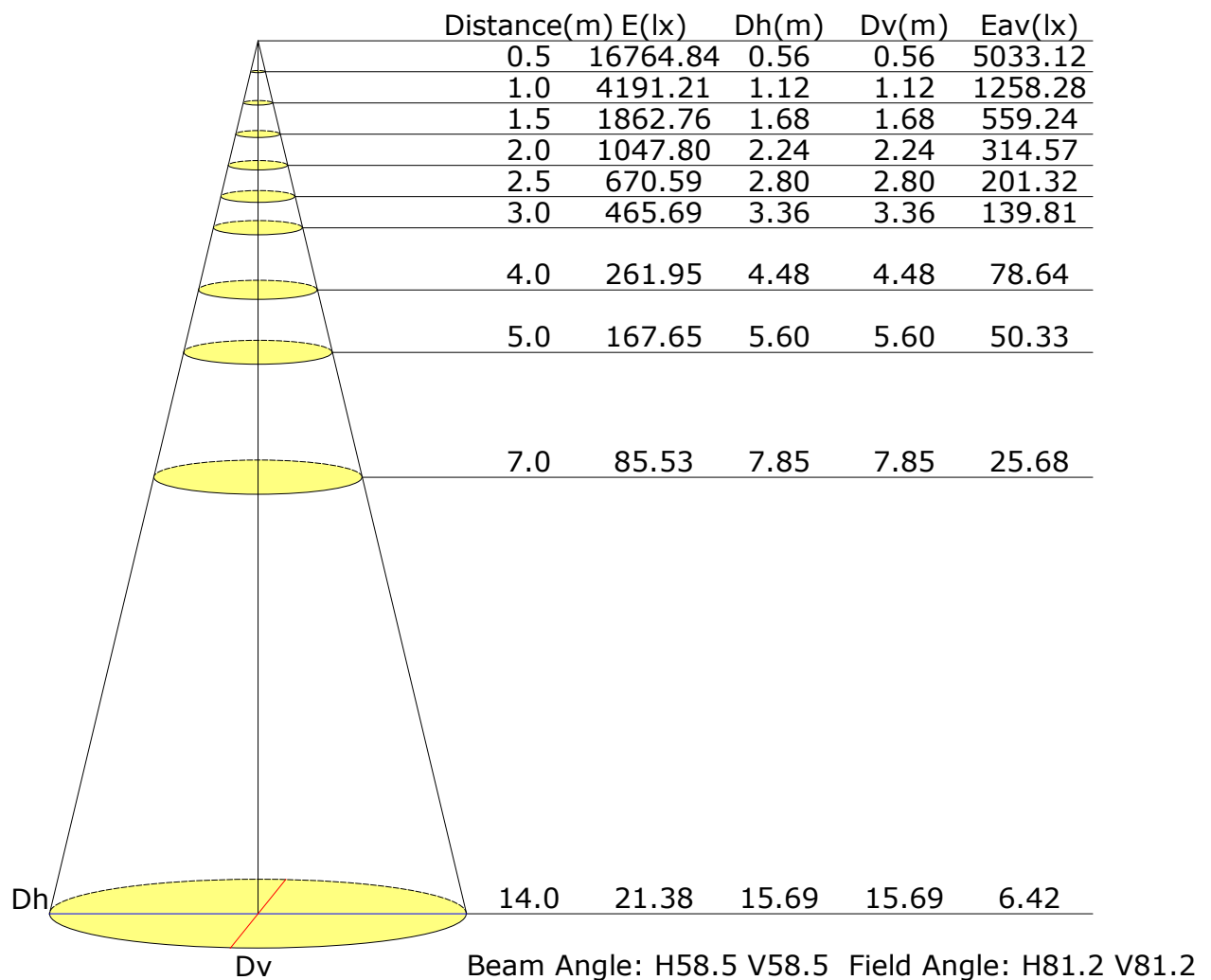
Test Device: CHL-6E

Distance: 3.328 m

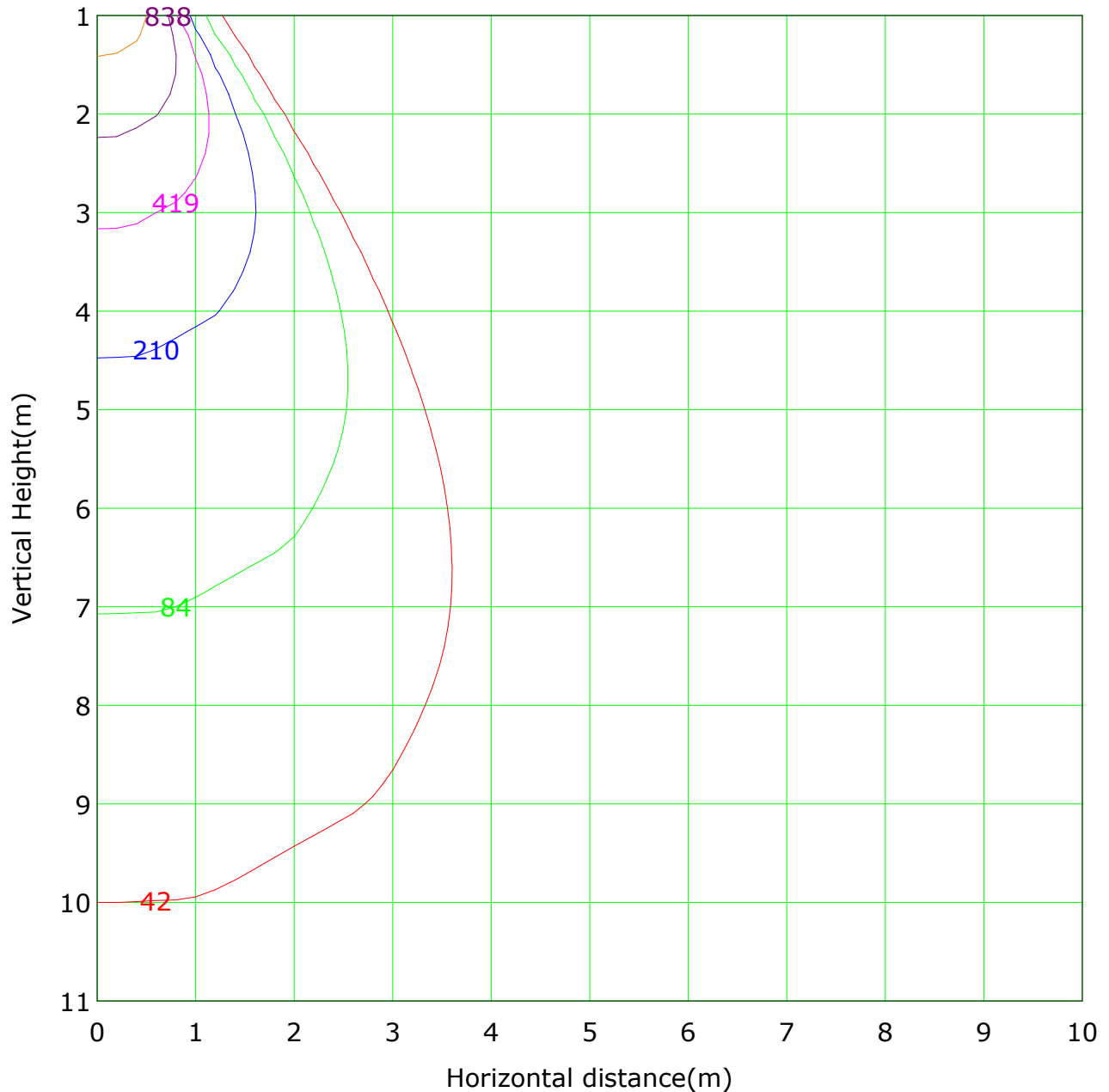
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



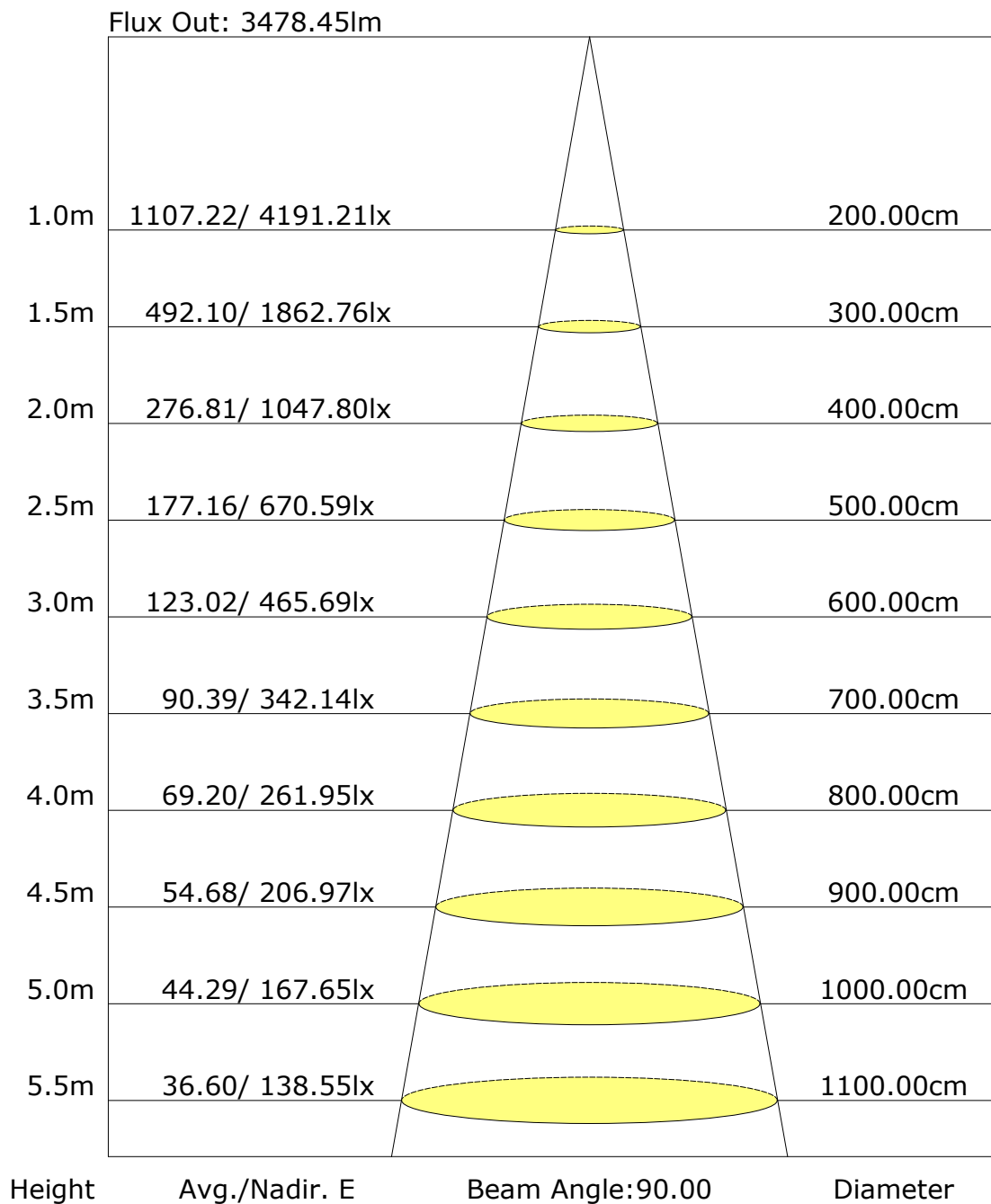
Lowest(m): 1m    Highest(m): 11    Max Lux: 4191

( 1%): 42 lx	( 2%): 84 lx
( 5%): 210 lx	( 10%): 419 lx
( 20%): 838 lx	( 50%): 2096 lx
(100%): 4191 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	4191.5	4.0	4.0	0.11	0.11
1.0-2.0	4191.8	12.0	16.0	0.33	0.45
2.0-3.0	4188.1	20.0	36.1	0.56	1.00
3.0-4.0	4176.9	28.0	64.0	0.78	1.78
4.0-5.0	4161.6	35.8	99.8	0.99	2.77
5.0-6.0	4139.2	43.5	143.4	1.21	3.98
6.0-7.0	4103.6	50.9	194.3	1.41	5.39
7.0-8.0	4060.0	58.1	252.4	1.61	7.01
8.0-9.0	4014.8	65.1	317.5	1.81	8.81
9.0-10.0	3971.8	71.9	389.4	2.00	10.81
10.0-11.0	3931.9	78.6	467.9	2.18	12.99
11.0-12.0	3895.1	85.2	553.1	2.36	15.35
12.0-13.0	3861.8	91.7	644.8	2.54	17.90
13.0-14.0	3827.8	98.0	742.8	2.72	20.62
14.0-15.0	3785.4	103.9	846.7	2.89	23.50
15.0-16.0	3732.4	109.4	956.1	3.04	26.54
16.0-17.0	3666.1	114.2	1070.3	3.17	29.71
17.0-18.0	3583.5	118.2	1188.4	3.28	32.99
18.0-19.0	3490.3	121.4	1309.9	3.37	36.36
19.0-20.0	3389.3	124.1	1433.9	3.44	39.80
20.0-21.0	3284.3	126.1	1560.1	3.50	43.30
21.0-22.0	3175.5	127.6	1687.7	3.54	46.85
22.0-23.0	3060.2	128.4	1816.1	3.56	50.41
23.0-24.0	2941.1	128.6	1944.7	3.57	53.98
24.0-25.0	2815.5	128.0	2072.8	3.55	57.54
25.0-26.0	2681.5	126.6	2199.4	3.51	61.05
26.0-27.0	2538.2	124.2	2323.6	3.45	64.50
27.0-28.0	2383.6	120.7	2444.2	3.35	67.85
28.0-29.0	2219.6	116.1	2560.4	3.22	71.07
29.0-30.0	2048.9	110.6	2671.0	3.07	74.14
30.0-31.0	1872.2	104.2	2775.2	2.89	77.03
31.0-32.0	1691.1	96.9	2872.1	2.69	79.72
32.0-33.0	1508.4	88.9	2961.0	2.47	82.19
33.0-34.0	1330.5	80.5	3041.5	2.24	84.43
34.0-35.0	1161.2	72.1	3113.7	2.00	86.43
35.0-36.0	1002.9	63.9	3177.5	1.77	88.20

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	858.3	56.0	3233.5	1.55	89.76
37.0-38.0	729.0	48.7	3282.2	1.35	91.11
38.0-39.0	615.8	42.0	3324.2	1.17	92.27
39.0-40.0	518.3	36.2	3360.4	1.00	93.28
40.0-41.0	435.4	31.0	3391.4	0.86	94.14
41.0-42.0	365.6	26.6	3417.9	0.74	94.87
42.0-43.0	309.5	22.9	3440.9	0.64	95.51
43.0-44.0	265.2	20.0	3460.9	0.56	96.07
44.0-45.0	228.4	17.6	3478.4	0.49	96.55
45.0-46.0	197.6	15.5	3493.9	0.43	96.98
46.0-47.0	172.7	13.7	3507.6	0.38	97.36
47.0-48.0	151.5	12.2	3519.9	0.34	97.70
48.0-49.0	134.3	11.0	3530.9	0.31	98.01
49.0-50.0	119.4	10.0	3540.9	0.28	98.29
50.0-51.0	104.7	8.9	3549.7	0.25	98.53
51.0-52.0	91.3	7.8	3557.6	0.22	98.75
52.0-53.0	78.5	6.8	3564.4	0.19	98.94
53.0-54.0	67.9	6.0	3570.4	0.17	99.11
54.0-55.0	59.5	5.3	3575.7	0.15	99.25
55.0-56.0	51.7	4.7	3580.4	0.13	99.38
56.0-57.0	44.9	4.1	3584.5	0.11	99.50
57.0-58.0	39.3	3.6	3588.1	0.10	99.60
58.0-59.0	34.3	3.2	3591.3	0.09	99.69
59.0-60.0	29.3	2.8	3594.1	0.08	99.76
60.0-61.0	24.3	2.3	3596.4	0.06	99.83
61.0-62.0	19.3	1.9	3598.3	0.05	99.88
62.0-63.0	15.0	1.5	3599.7	0.04	99.92
63.0-64.0	11.2	1.1	3600.8	0.03	99.95
64.0-65.0	7.5	0.7	3601.6	0.02	99.97
65.0-66.0	4.4	0.4	3602.0	0.01	99.98
66.0-67.0	2.5	0.3	3602.3	0.01	99.99
67.0-68.0	0.9	0.1	3602.3	0.00	99.99
68.0-69.0	0.0	0.0	3602.3	0.00	99.99
69.0-70.0	0.0	0.0	3602.3	0.00	99.99
70.0-71.0	0.0	0.0	3602.3	0.00	99.99
71.0-72.0	0.0	0.0	3602.3	0.00	99.99

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	4191.2	4191.2								
G1.0	4193.7	4190.0								
G2.0	4193.7	4190.0								
G3.0	4191.2	4177.5								
G4.0	4192.5	4146.3								
G5.0	4199.9	4107.7								
G6.0	4181.2	4067.8								
G7.0	4141.4	4024.2								
G8.0	4094.0	3980.5								
G9.0	4041.6	3943.1								
G10.0	3989.3	3913.2								
G11.0	3938.1	3887.0								
G12.0	3894.5	3860.9								
G13.0	3855.9	3835.9								
G14.0	3817.2	3802.3								
G15.0	3782.3	3739.9								
G16.0	3751.1	3656.4								
G17.0	3700.0	3556.7								
G18.0	3622.8	3454.4								
G19.0	3531.7	3352.2								
G20.0	3424.5	3248.8								
G21.0	3322.3	3141.5								
G22.0	3215.1	3023.1								
G23.0	3104.1	2898.4								
G24.0	2994.4	2767.6								
G25.0	2876.0	2624.2								
G26.0	2751.3	2474.6								
G27.0	2615.5	2311.3								
G28.0	2469.6	2138.0								
G29.0	2312.5	1958.5								
G30.0	2151.7	1772.7								
G31.0	1980.9	1583.2								
G32.0	1806.4	1393.8								
G33.0	1624.4	1209.2								
G34.0	1446.1	1042.2								
G35.0	1266.6	890.1								
G36.0	1097.1	758.0								

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:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	941.2	637.0								
G38.0	800.3	537.3								
G39.0	676.9	448.8								
G40.0	568.5	379.0								
G41.0	477.5	316.6								
G42.0	398.9	269.3								
G43.0	337.8	231.9								
G44.0	286.7	204.4								
G45.0	243.1	179.5								
G46.0	209.4	158.3								
G47.0	183.3	139.6								
G48.0	160.8	122.2								
G49.0	145.9	108.5								
G50.0	129.6	93.5								
G51.0	114.7	81.0								
G52.0	102.2	67.3								
G53.0	89.8	54.8								
G54.0	77.3	49.9								
G55.0	67.3	43.6								
G56.0	57.3	38.7								
G57.0	51.1	32.4								
G58.0	44.9	28.7								
G59.0	39.9	23.7								
G60.0	34.9	18.7								
G61.0	28.7	15.0								
G62.0	23.7	10.0								
G63.0	18.7	7.5								
G64.0	15.0	3.7								
G65.0	10.0	1.3								
G66.0	6.2	0.0								
G67.0	3.7	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: