

Report No.:

Test Time: 2025-09-15 08:23

Luminaire Property

Luminaire Category:

Luminaire Description: EX030MINI PRO无边可Length (mm): -26).15

Width (mm): -26

Voltage: 228.8 V

Current: 0.056 A

Power: 7.80 W

Power Factor: 0.604

Photometric Results

CIE Class: Direct

Measurement Flux: 541.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H22.8

Vertical Diffuse Angle(50%): V22.8

Luminaire Efficacy Rating (LER): 69

Max. Intensity: 2984.21 cd

Total Rated Lamp Lumens: 541.5 lm

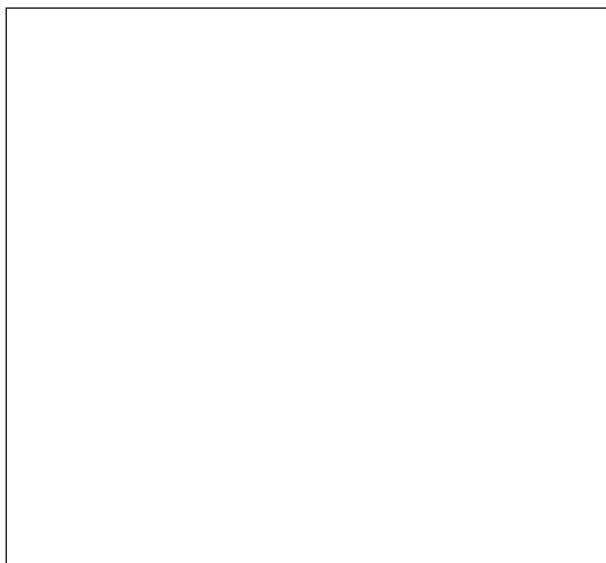
Efficiency: 100%

Upward Ratio: 0%

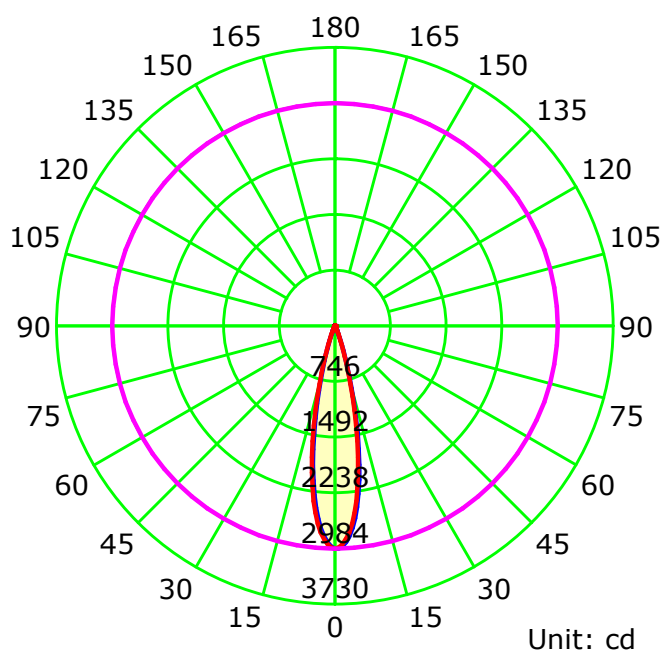
Central Intensity: 2984.21 cd

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

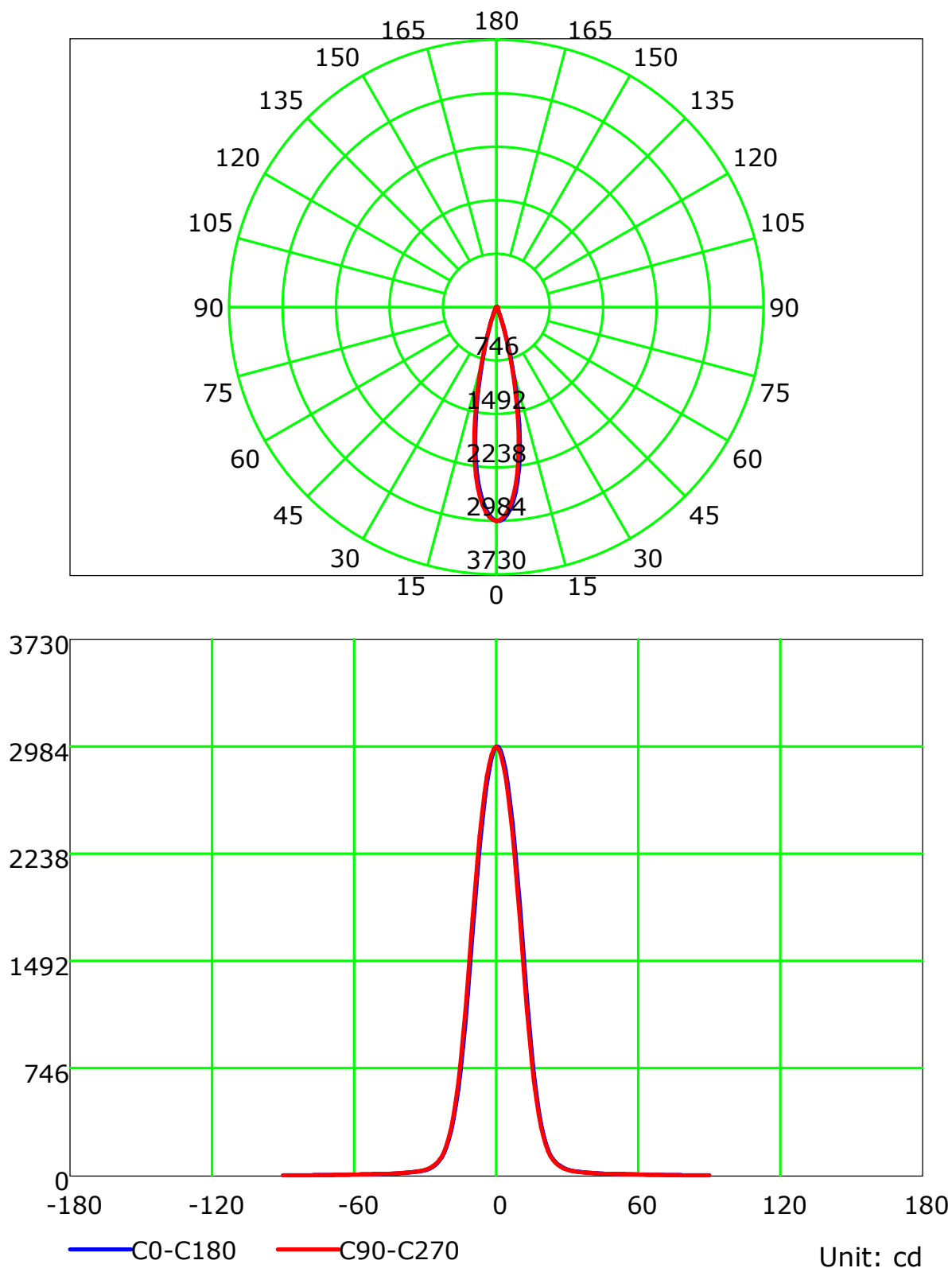
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

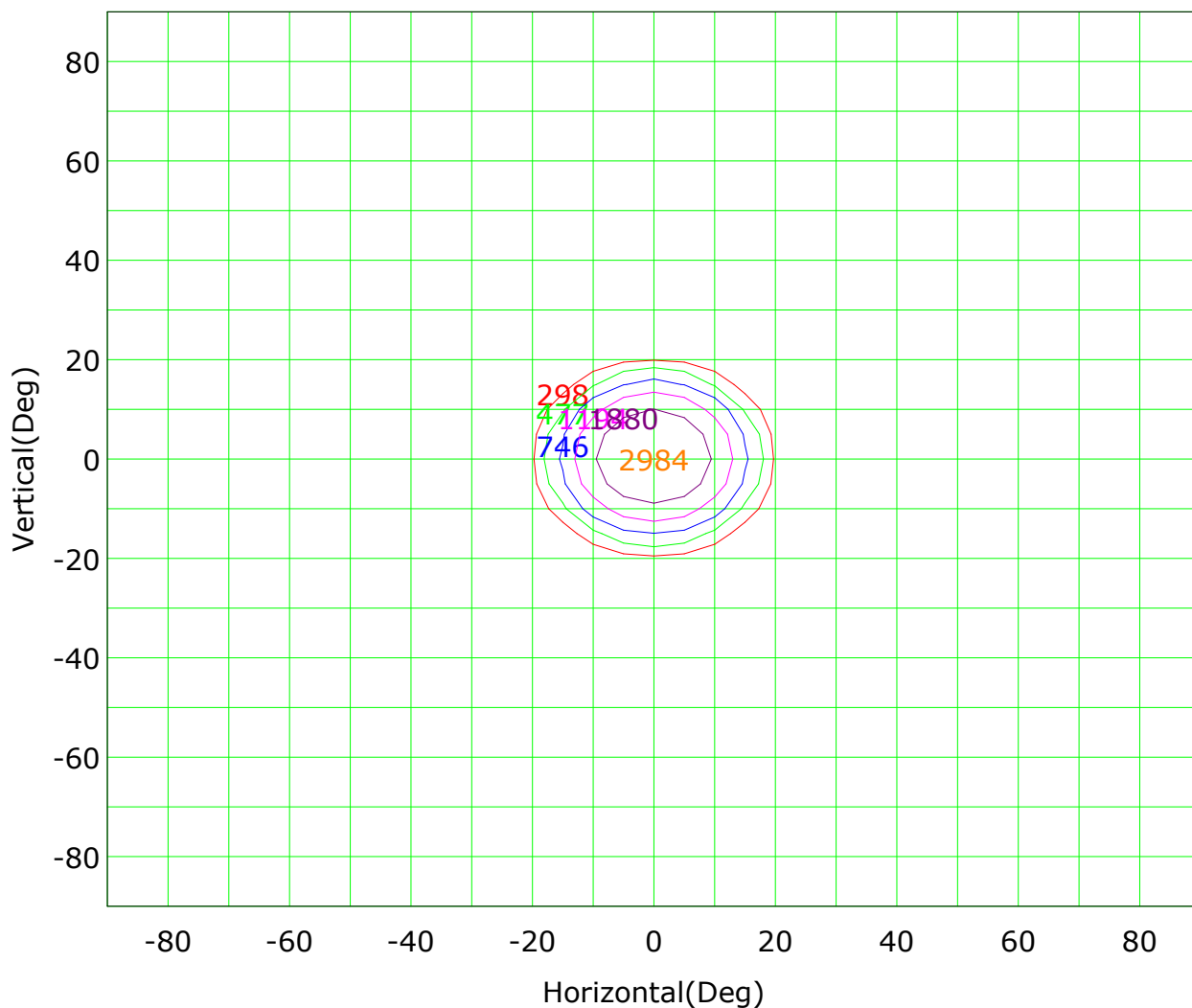
Luminous Intensity Distribution Curve



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: 2.905 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 2984 cd

(10%): 298 cd	(16%): 477 cd
(25%): 746 cd	(40%): 1194 cd
(63%): 1880 cd	(100%): 2984 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

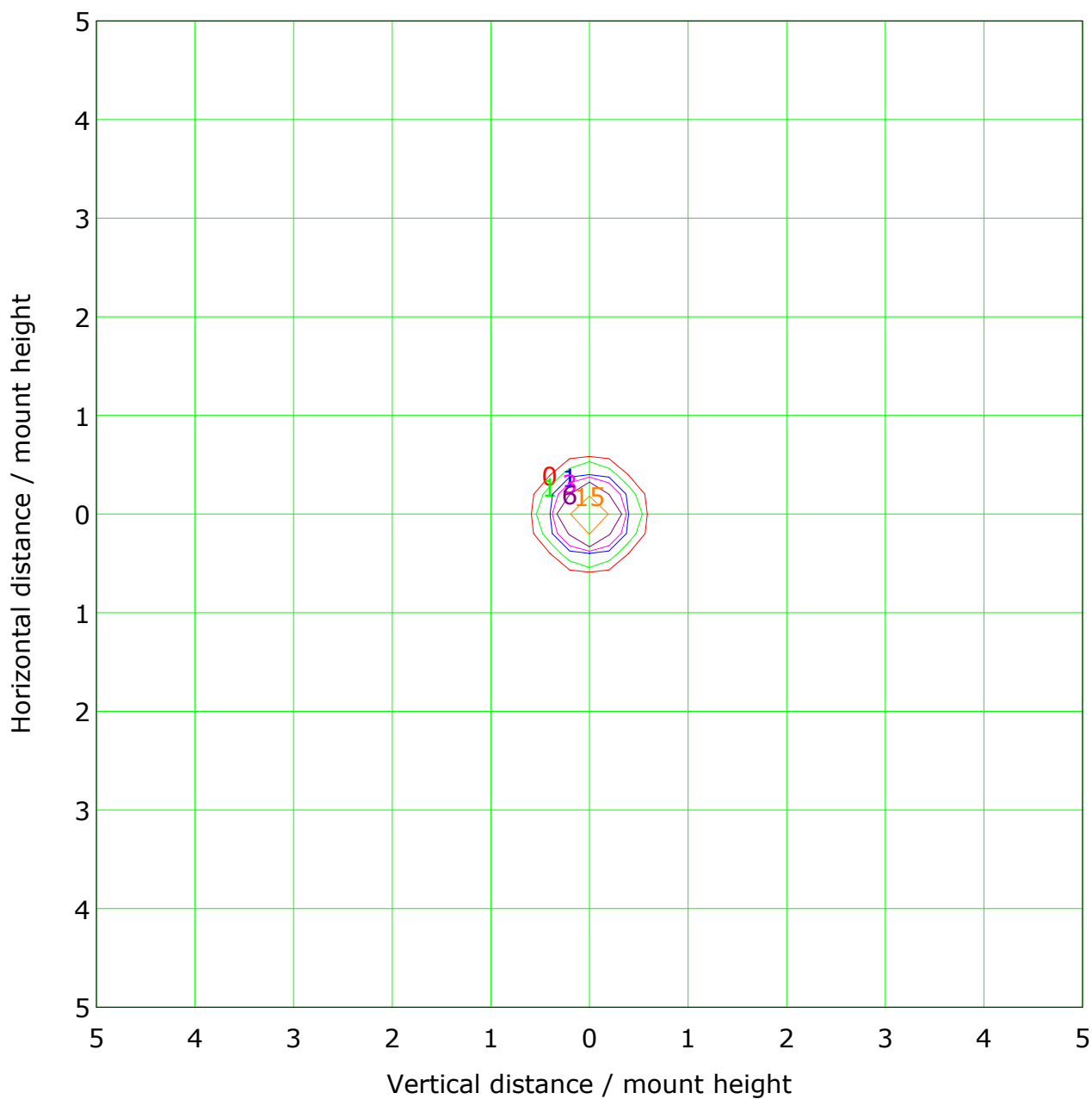
Test Device: CHL-6E

Distance: 2.905 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

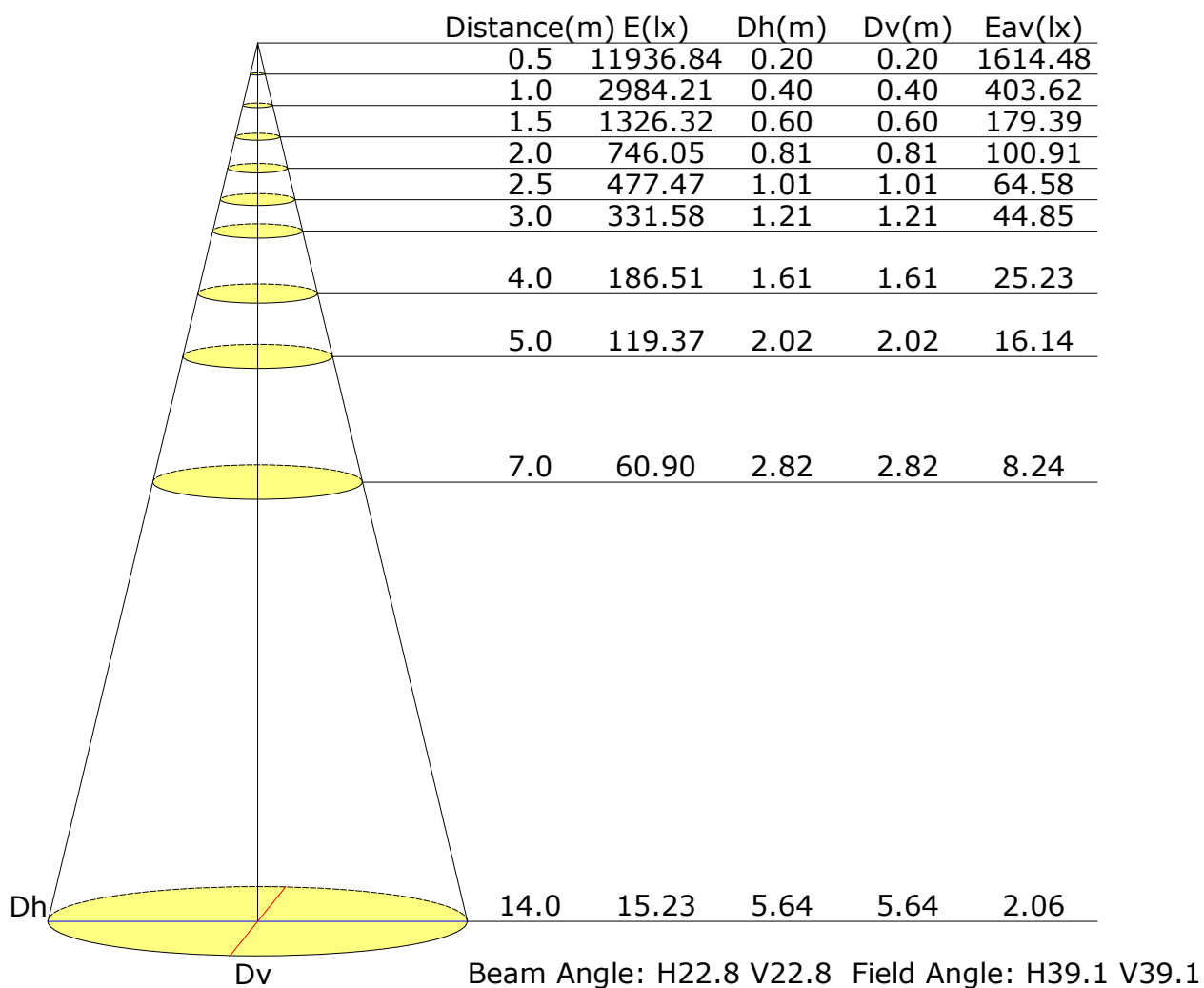
Test Device: CHL-6E

Distance: 2.905 m

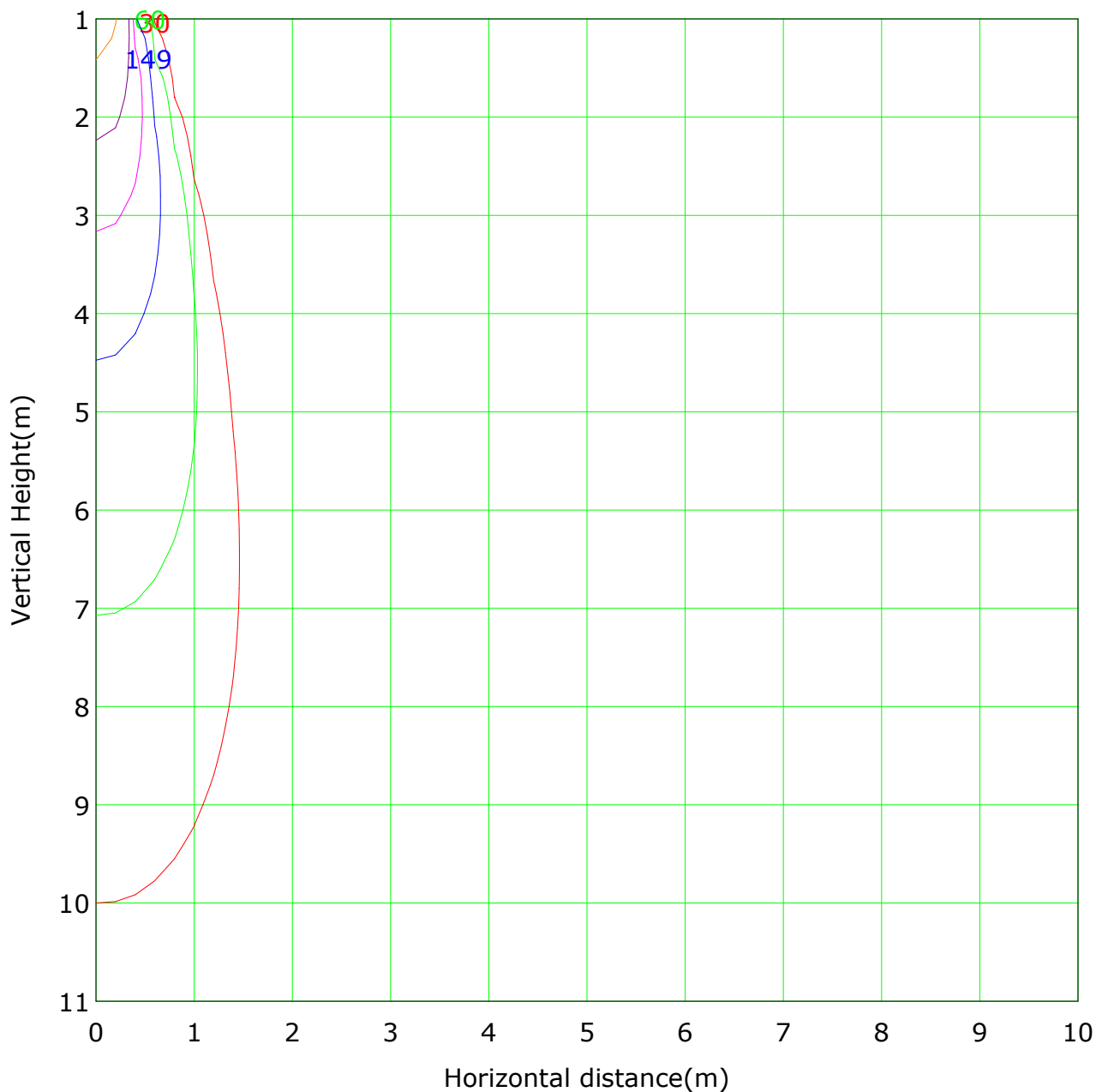
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



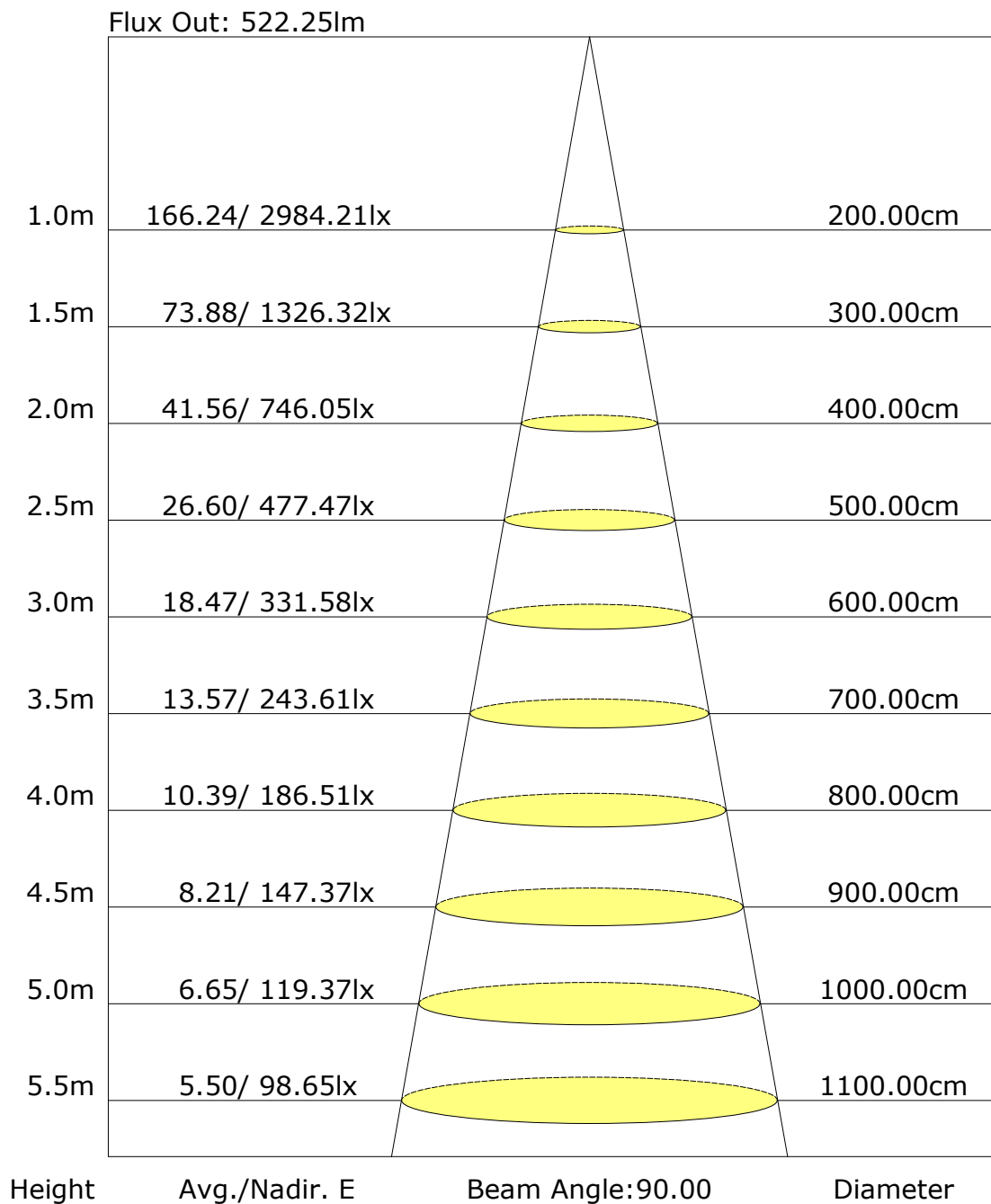
Lowest(m): 1m Highest(m): 11 Max Lux: 2984

(1%): 30 lx	(2%): 60 lx
(5%): 149 lx	(10%): 298 lx
(20%): 597 lx	(50%): 1492 lx
(100%): 2984 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: 2.905 m
Humidity:
Inspector:

The average illuminance effective figure



UGR table

Reflectance:										
Ceiling cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	viewed crosswise					viewed endwise				
x = 2H y = 2H	19.8	18.2	20.2	18.5	18.9	19.6	18.0	19.9	18.3	18.6
3H	21.1	19.3	21.6	19.7	20.1	20.9	19.1	21.3	19.4	19.8
4H	21.7	19.7	22.2	20.1	20.5	21.4	19.4	21.9	19.8	20.2
6H	22.0	19.9	22.5	20.4	20.8	21.7	19.6	22.1	20.0	20.4
8H	22.1	20.0	22.6	20.4	20.8	21.7	19.6	22.3	20.0	20.5
12H	21.9	19.9	22.4	20.3	20.8	21.5	19.6	22.0	19.9	20.4
x = 4H y = 2H	20.3	18.3	20.8	18.7	19.1	20.1	18.1	20.6	18.5	18.9
3H	21.9	19.7	22.4	20.1	20.6	21.7	19.4	22.2	19.9	20.3
4H	22.7	20.2	23.2	20.7	21.2	22.4	19.9	22.9	20.4	20.9
6H	23.2	20.5	23.9	21.0	21.6	22.9	20.2	23.6	20.7	21.3
8H	23.3	20.6	24.0	21.1	21.6	22.9	20.2	23.6	20.7	21.3
12H	23.2	20.5	23.9	21.1	21.6	22.9	20.1	23.5	20.7	21.2
x = 8H y = 4H	22.9	20.2	23.6	20.7	21.2	22.6	19.9	23.3	20.4	20.9
6H	24.0	20.6	24.6	21.2	21.8	23.7	20.3	24.3	20.9	21.5
8H	24.2	20.8	25.3	21.5	22.0	23.8	20.5	24.9	21.1	21.7
12H	24.5	20.9	25.5	21.5	22.2	24.1	20.5	25.1	21.1	21.8
x = 12H y = 4H	22.8	20.0	23.4	20.6	21.1	22.5	19.7	23.1	20.3	20.8
6H	23.8	20.6	24.7	21.1	21.7	23.5	20.2	24.4	20.8	21.4
8H	24.4	20.9	25.4	21.4	22.2	24.1	20.5	25.1	21.1	21.8

Calculate in accordance with CIE 190:2010

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: 2.905 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	2977.1	2.8	2.8	0.53	0.53
1.0-2.0	2949.6	8.5	11.3	1.56	2.09
2.0-3.0	2896.3	13.9	25.2	2.56	4.65
3.0-4.0	2818.5	18.9	44.0	3.48	8.13
4.0-5.0	2716.1	23.4	67.4	4.32	12.45
5.0-6.0	2590.3	27.2	94.6	5.03	17.48
6.0-7.0	2442.9	30.3	125.0	5.60	23.08
7.0-8.0	2274.6	32.6	157.5	6.01	29.09
8.0-9.0	2088.1	33.8	191.4	6.25	35.34
9.0-10.0	1889.0	34.2	225.6	6.31	41.65
10.0-11.0	1681.6	33.6	259.2	6.21	47.86
11.0-12.0	1471.5	32.2	291.3	5.94	53.80
12.0-13.0	1265.2	30.0	321.4	5.55	59.34
13.0-14.0	1069.4	27.4	348.7	5.06	64.40
14.0-15.0	890.1	24.4	373.2	4.51	68.91
15.0-16.0	730.6	21.4	394.6	3.95	72.87
16.0-17.0	592.9	18.5	413.1	3.41	76.28
17.0-18.0	477.4	15.7	428.8	2.91	79.18
18.0-19.0	381.6	13.3	442.1	2.45	81.63
19.0-20.0	302.3	11.1	453.1	2.04	83.68
20.0-21.0	239.1	9.2	462.3	1.70	85.37
21.0-22.0	189.8	7.6	470.0	1.41	86.78
22.0-23.0	151.2	6.3	476.3	1.17	87.95
23.0-24.0	121.9	5.3	481.6	0.98	88.94
24.0-25.0	99.7	4.5	486.2	0.84	89.78
25.0-26.0	82.3	3.9	490.1	0.72	90.49
26.0-27.0	68.7	3.4	493.4	0.62	91.11
27.0-28.0	57.9	2.9	496.3	0.54	91.66
28.0-29.0	49.3	2.6	498.9	0.48	92.13
29.0-30.0	42.5	2.3	501.2	0.42	92.56
30.0-31.0	37.2	2.1	503.3	0.38	92.94
31.0-32.0	33.1	1.9	505.2	0.35	93.29
32.0-33.0	29.9	1.8	506.9	0.33	93.61
33.0-34.0	27.2	1.6	508.6	0.30	93.92
34.0-35.0	25.1	1.6	510.2	0.29	94.21
35.0-36.0	23.3	1.5	511.6	0.27	94.48

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: 2.905 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	21.7	1.4	513.1	0.26	94.74
37.0-38.0	20.3	1.4	514.4	0.25	94.99
38.0-39.0	18.9	1.3	515.7	0.24	95.23
39.0-40.0	17.7	1.2	516.9	0.23	95.46
40.0-41.0	16.5	1.2	518.1	0.22	95.68
41.0-42.0	15.3	1.1	519.2	0.21	95.88
42.0-43.0	14.2	1.1	520.3	0.19	96.08
43.0-44.0	13.4	1.0	521.3	0.19	96.26
44.0-45.0	12.6	1.0	522.3	0.18	96.44
45.0-46.0	11.9	0.9	523.2	0.17	96.61
46.0-47.0	11.4	0.9	524.1	0.17	96.78
47.0-48.0	10.9	0.9	525.0	0.16	96.94
48.0-49.0	10.5	0.9	525.8	0.16	97.10
49.0-50.0	10.1	0.8	526.7	0.16	97.26
50.0-51.0	9.8	0.8	527.5	0.15	97.41
51.0-52.0	9.5	0.8	528.3	0.15	97.56
52.0-53.0	9.1	0.8	529.1	0.15	97.71
53.0-54.0	8.7	0.8	529.9	0.14	97.85
54.0-55.0	8.4	0.7	530.6	0.14	97.99
55.0-56.0	7.9	0.7	531.4	0.13	98.12
56.0-57.0	7.6	0.7	532.1	0.13	98.25
57.0-58.0	7.2	0.7	532.7	0.12	98.37
58.0-59.0	6.8	0.6	533.4	0.12	98.49
59.0-60.0	6.5	0.6	534.0	0.11	98.60
60.0-61.0	6.1	0.6	534.6	0.11	98.71
61.0-62.0	5.7	0.5	535.1	0.10	98.81
62.0-63.0	5.3	0.5	535.6	0.10	98.91
63.0-64.0	5.0	0.5	536.1	0.09	99.00
64.0-65.0	4.8	0.5	536.6	0.09	99.09
65.0-66.0	4.5	0.5	537.0	0.08	99.17
66.0-67.0	4.2	0.4	537.5	0.08	99.25
67.0-68.0	4.0	0.4	537.9	0.08	99.32
68.0-69.0	3.7	0.4	538.3	0.07	99.39
69.0-70.0	3.5	0.4	538.6	0.07	99.46
70.0-71.0	3.3	0.3	539.0	0.06	99.52
71.0-72.0	3.1	0.3	539.3	0.06	99.58

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: 2.905 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	2984.2	2984.2								
G1.0	2982.4	2957.5								
G2.0	2955.5	2903.0								
G3.0	2902.1	2824.6								
G4.0	2823.9	2723.1								
G5.0	2719.5	2597.8								
G6.0	2593.8	2450.0								
G7.0	2445.7	2282.3								
G8.0	2276.6	2093.9								
G9.0	2090.2	1891.9								
G10.0	1890.9	1683.2								
G11.0	1678.7	1473.6								
G12.0	1465.5	1268.3								
G13.0	1255.6	1071.4								
G14.0	1056.1	894.8								
G15.0	871.7	738.0								
G16.0	709.5	603.2								
G17.0	569.6	489.5								
G18.0	455.3	395.2								
G19.0	360.8	315.1								
G20.0	282.9	250.5								
G21.0	224.3	198.9								
G22.0	177.3	158.9								
G23.0	141.3	127.5								
G24.0	114.8	104.2								
G25.0	94.8	85.0								
G26.0	79.4	69.8								
G27.0	67.6	58.0								
G28.0	57.2	48.8								
G29.0	49.1	42.0								
G30.0	42.4	36.8								
G31.0	37.2	32.4								
G32.0	33.3	29.5								
G33.0	29.8	27.0								
G34.0	27.3	24.9								
G35.0	25.2	23.2								
G36.0	23.4	21.4								

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
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Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	21.8	20.1								
G38.0	20.3	18.9								
G39.0	19.2	17.3								
G40.0	18.0	16.2								
G41.0	16.9	15.0								
G42.0	15.7	13.7								
G43.0	14.5	12.9								
G44.0	13.7	12.3								
G45.0	12.7	11.6								
G46.0	12.2	11.2								
G47.0	11.6	10.8								
G48.0	11.2	10.2								
G49.0	10.8	9.9								
G50.0	10.4	9.5								
G51.0	10.1	9.4								
G52.0	9.6	8.9								
G53.0	9.2	8.4								
G54.0	8.9	8.3								
G55.0	8.4	7.8								
G56.0	8.3	7.3								
G57.0	7.8	7.1								
G58.0	7.3	6.7								
G59.0	7.1	6.2								
G60.0	6.7	6.0								
G61.0	6.3	5.4								
G62.0	5.9	5.0								
G63.0	5.6	4.8								
G64.0	5.3	4.5								
G65.0	5.0	4.5								
G66.0	4.5	4.1								
G67.0	4.5	3.9								
G68.0	4.1	3.6								
G69.0	3.8	3.4								
G70.0	3.6	3.2								
G71.0	3.4	3.1								
G72.0	3.4	2.7								
G73.0	2.9	2.5								

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: 2.905 m
Humidity:
Inspector:

Unit: cd

[illegible]

Inspector: