

Report No.:

Test Time: 2025-05-09 14:22

## Luminaire Property

Luminaire Category:

Luminaire Description: MINI PRO 38 24D

Current: 0.065 A

Power Factor: 0.507

Voltage: 231.1 V

Power: 7.70 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 608.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H21.8

Vertical Diffuse Angle(50%): V21.8

Luminaire Efficacy Rating (LER): 79

Max. Intensity: 3322.93 cd

Total Rated Lamp Lumens: 608.3 lm

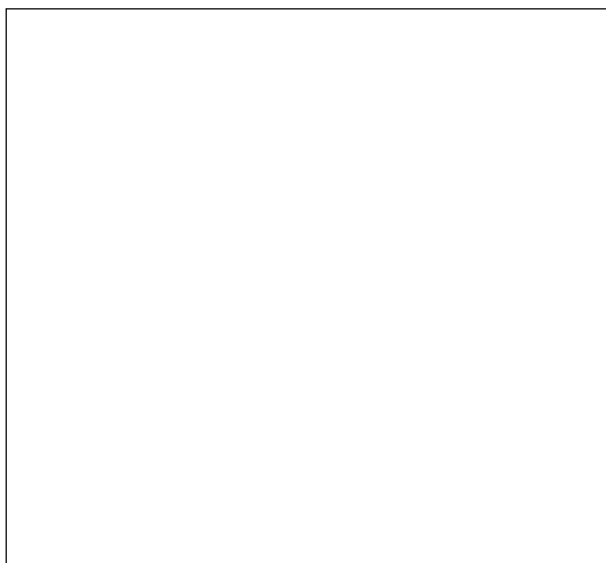
Efficiency: 100%

Upward Ratio: 0%

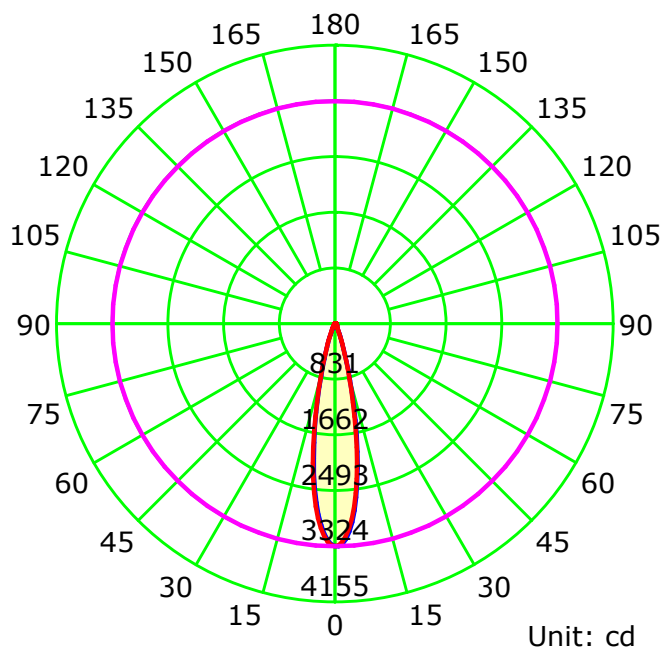
Central Intensity: 3322.93 cd

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

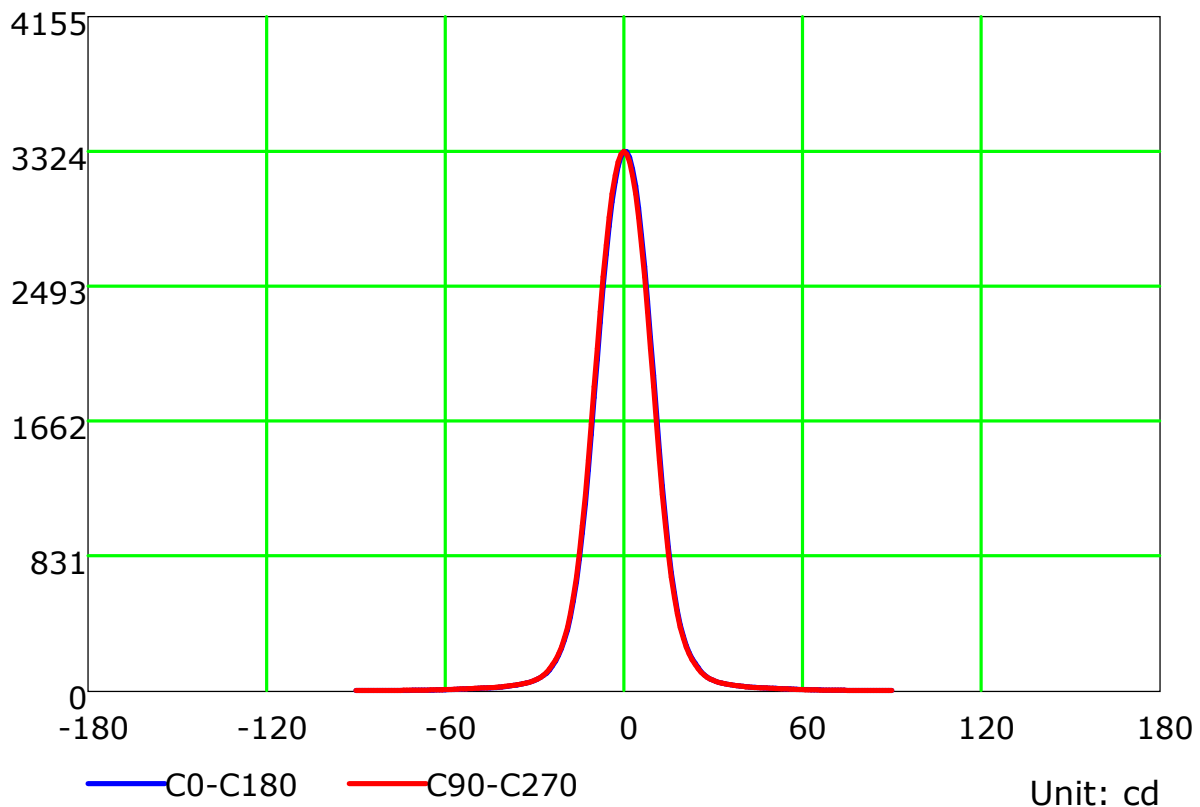
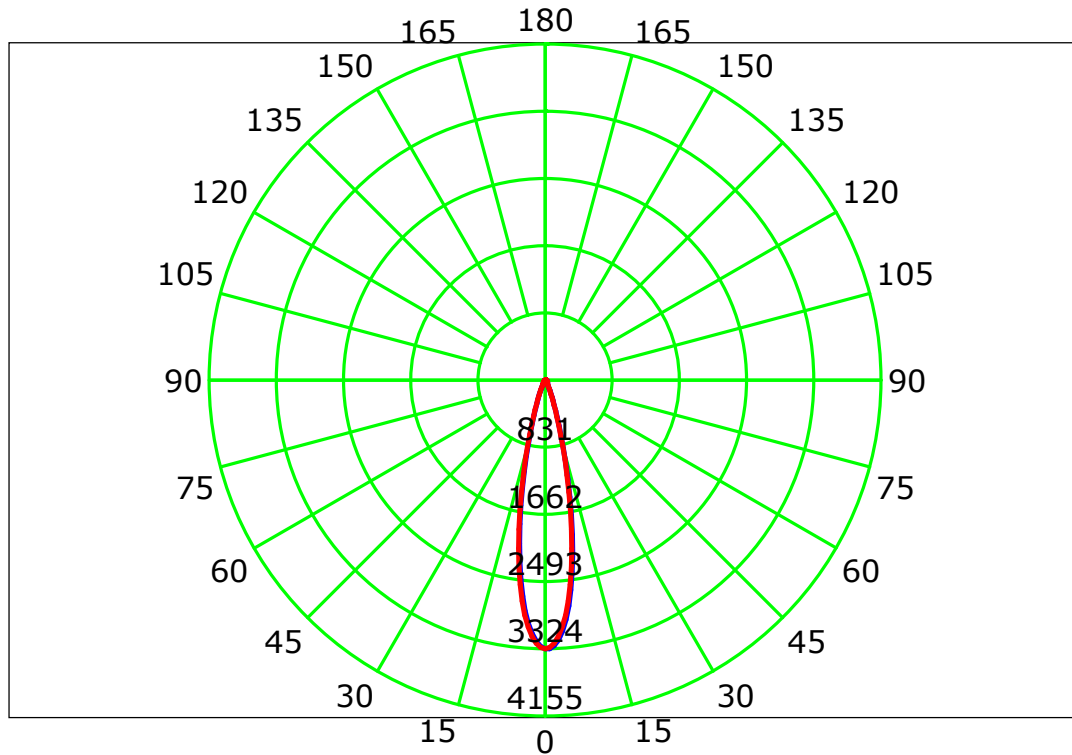
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

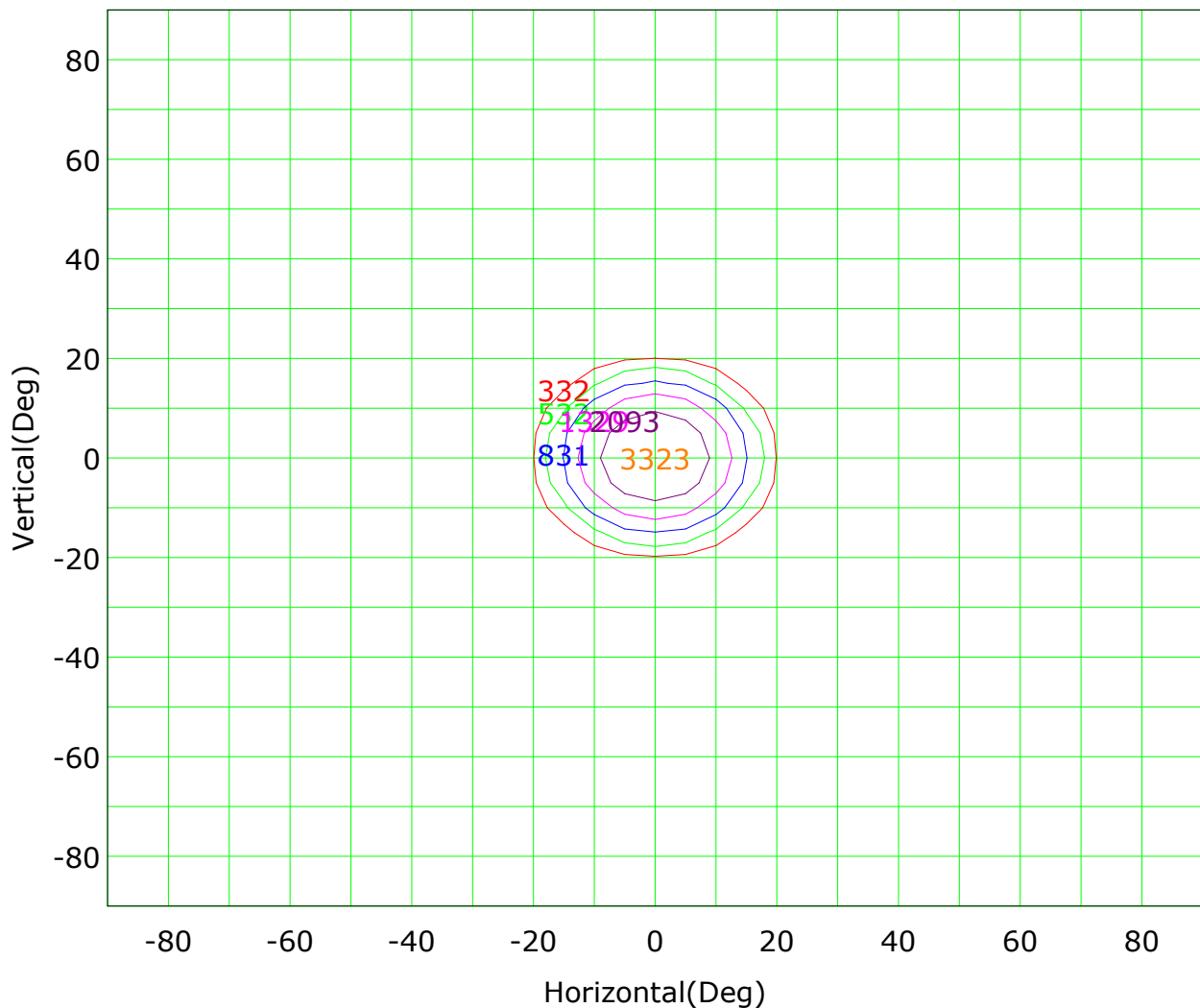
## Luminous Intensity Distribution Curve



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: 3.655 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 3323 cd

( 10%): 332 cd	( 16%): 532 cd
( 25%): 831 cd	( 40%): 1329 cd
( 63%): 2093 cd	(100%): 3323 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

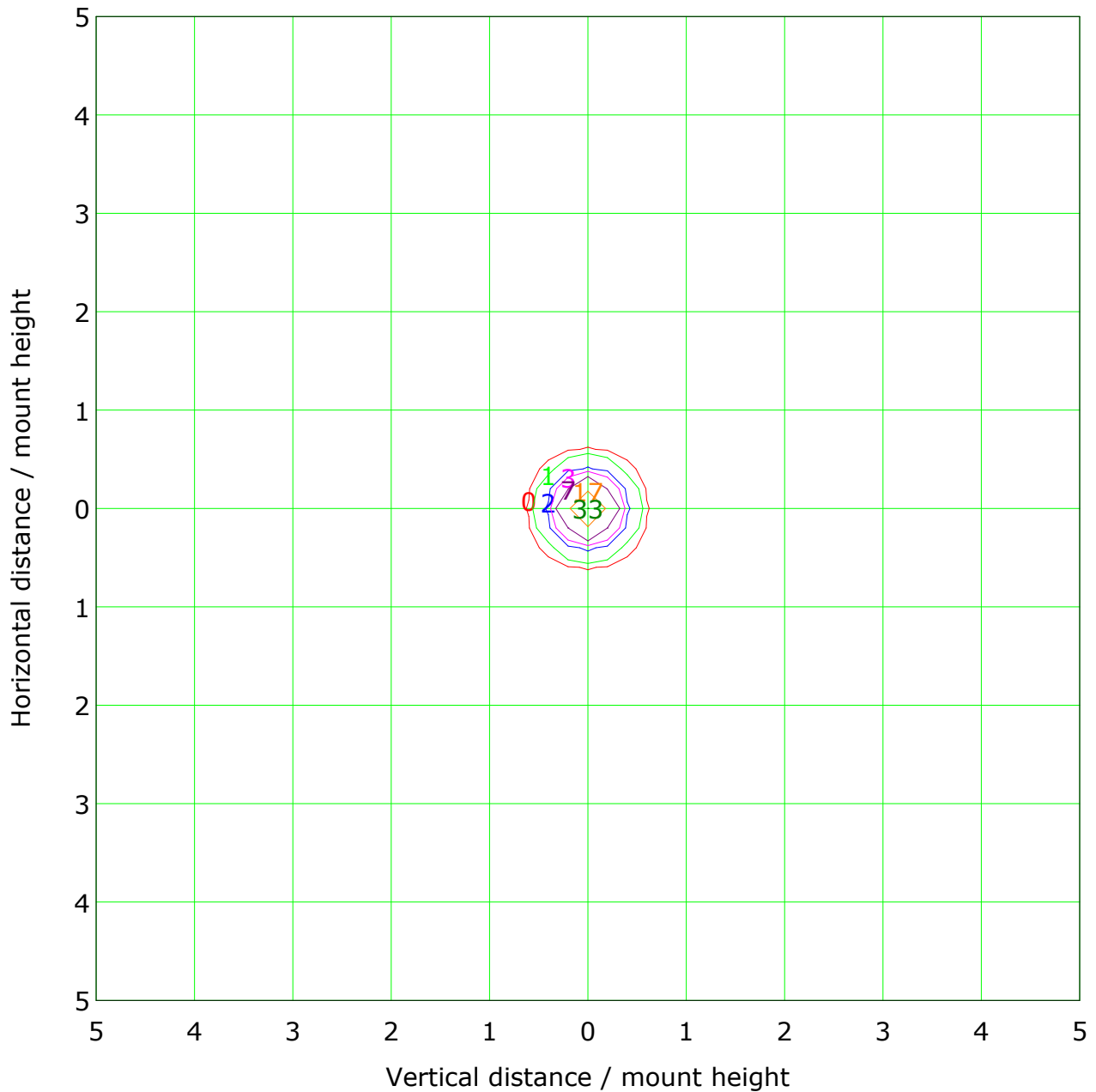
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 33 lx			
— ( 1%):	0 lx	— ( 2%):	1 lx
— ( 5%):	2 lx	— ( 10%):	3 lx
— ( 20%):	7 lx	— ( 50%):	17 lx
— (100%):	33 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

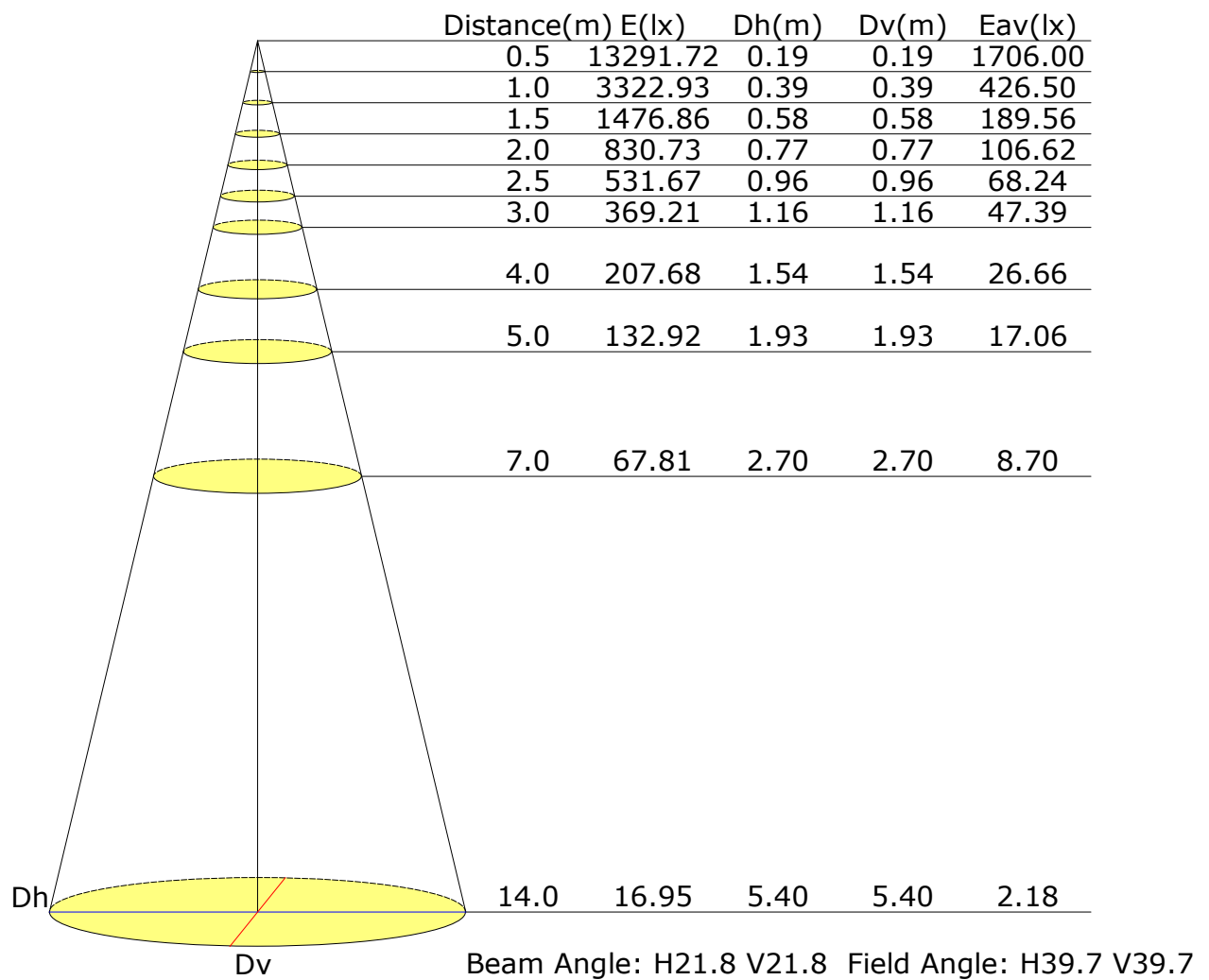
Test Device: CHL-6E

Distance: 3.655 m

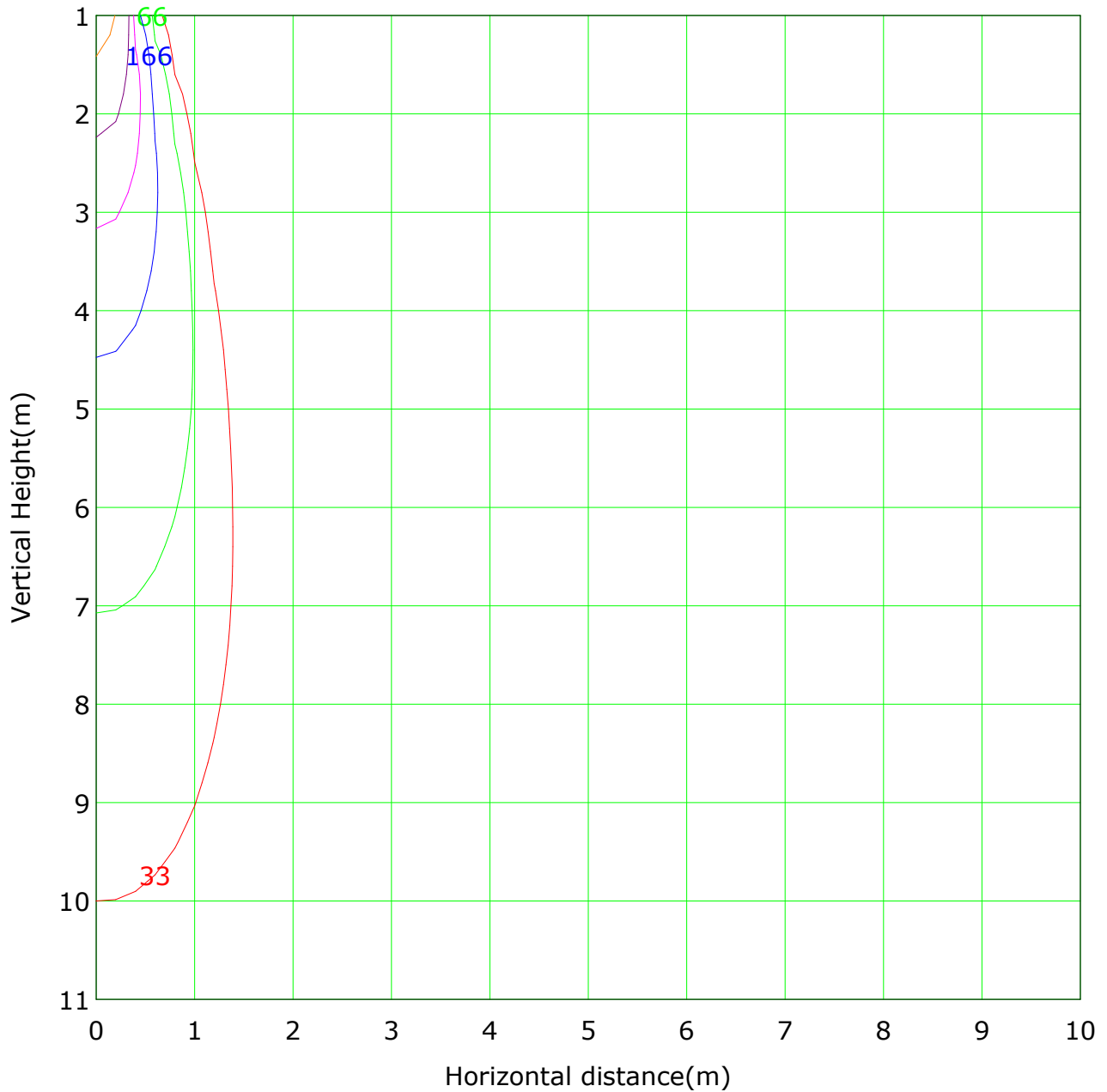
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



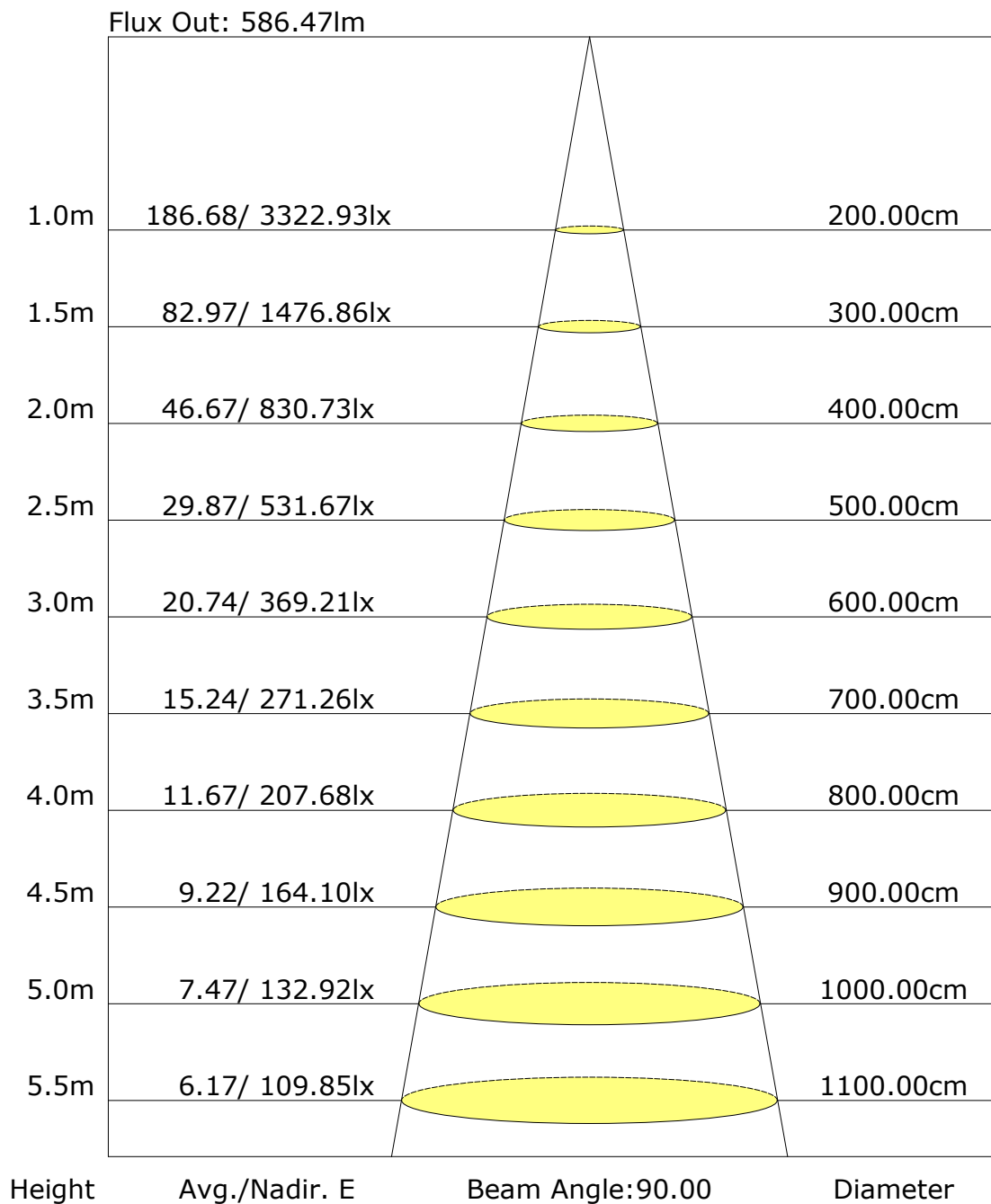
Lowest(m): 1m    Highest(m): 11    Max Lux: 3323

( 1%): 33 lx	( 2%): 66 lx
( 5%): 166 lx	( 10%): 332 lx
( 20%): 665 lx	( 50%): 1661 lx
(100%): 3323 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: 3.655 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: 3.655 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	3315.0	3.2	3.2	0.52	0.52
1.0-2.0	3282.6	9.4	12.6	1.55	2.07
2.0-3.0	3216.8	15.4	28.0	2.53	4.60
3.0-4.0	3118.5	20.9	48.9	3.43	8.03
4.0-5.0	2989.8	25.7	74.6	4.23	12.26
5.0-6.0	2832.4	29.8	104.4	4.89	17.15
6.0-7.0	2648.4	32.9	137.2	5.40	22.56
7.0-8.0	2442.4	35.0	172.2	5.75	28.31
8.0-9.0	2221.2	36.0	208.2	5.92	34.22
9.0-10.0	1990.7	36.0	244.2	5.92	40.15
10.0-11.0	1758.3	35.1	279.4	5.78	45.92
11.0-12.0	1531.1	33.5	312.8	5.50	51.43
12.0-13.0	1313.7	31.2	344.0	5.13	56.55
13.0-14.0	1111.7	28.5	372.5	4.68	61.23
14.0-15.0	930.8	25.6	398.0	4.20	65.43
15.0-16.0	773.2	22.7	420.7	3.73	69.16
16.0-17.0	637.9	19.9	440.6	3.27	72.42
17.0-18.0	524.7	17.3	457.9	2.84	75.27
18.0-19.0	431.6	15.0	472.9	2.47	77.74
19.0-20.0	355.9	13.0	485.9	2.14	79.88
20.0-21.0	295.3	11.3	497.3	1.86	81.74
21.0-22.0	247.0	9.9	507.2	1.63	83.37
22.0-23.0	208.0	8.7	515.9	1.43	84.81
23.0-24.0	175.7	7.7	523.6	1.26	86.07
24.0-25.0	147.9	6.7	530.3	1.11	87.18
25.0-26.0	123.7	5.8	536.1	0.96	88.14
26.0-27.0	104.1	5.1	541.2	0.84	88.97
27.0-28.0	89.1	4.5	545.8	0.74	89.71
28.0-29.0	77.3	4.0	549.8	0.66	90.38
29.0-30.0	67.8	3.7	553.5	0.60	90.98
30.0-31.0	60.0	3.3	556.8	0.55	91.53
31.0-32.0	53.5	3.1	559.9	0.50	92.03
32.0-33.0	48.3	2.8	562.7	0.47	92.50
33.0-34.0	44.1	2.7	565.4	0.44	92.94
34.0-35.0	40.5	2.5	567.9	0.41	93.35
35.0-36.0	37.4	2.4	570.3	0.39	93.74

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: 3.655 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	34.5	2.2	572.5	0.37	94.11
37.0-38.0	31.9	2.1	574.6	0.35	94.46
38.0-39.0	29.5	2.0	576.7	0.33	94.79
39.0-40.0	27.1	1.9	578.5	0.31	95.11
40.0-41.0	24.7	1.8	580.3	0.29	95.39
41.0-42.0	22.8	1.7	582.0	0.27	95.67
42.0-43.0	21.1	1.6	583.5	0.26	95.92
43.0-44.0	19.8	1.5	585.0	0.25	96.17
44.0-45.0	18.8	1.4	586.5	0.24	96.41
45.0-46.0	17.8	1.4	587.9	0.23	96.64
46.0-47.0	17.0	1.4	589.2	0.22	96.86
47.0-48.0	16.2	1.3	590.5	0.22	97.08
48.0-49.0	15.4	1.3	591.8	0.21	97.28
49.0-50.0	14.6	1.2	593.0	0.20	97.48
50.0-51.0	13.7	1.2	594.2	0.19	97.67
51.0-52.0	13.0	1.1	595.3	0.18	97.86
52.0-53.0	12.1	1.1	596.3	0.17	98.03
53.0-54.0	11.2	1.0	597.3	0.16	98.19
54.0-55.0	10.4	0.9	598.3	0.15	98.35
55.0-56.0	9.7	0.9	599.1	0.14	98.49
56.0-57.0	8.8	0.8	599.9	0.13	98.62
57.0-58.0	7.9	0.7	600.7	0.12	98.74
58.0-59.0	7.2	0.7	601.3	0.11	98.85
59.0-60.0	6.5	0.6	602.0	0.10	98.95
60.0-61.0	5.9	0.6	602.5	0.09	99.05
61.0-62.0	5.5	0.5	603.0	0.09	99.13
62.0-63.0	5.1	0.5	603.5	0.08	99.21
63.0-64.0	4.6	0.4	604.0	0.07	99.29
64.0-65.0	4.3	0.4	604.4	0.07	99.36
65.0-66.0	4.0	0.4	604.8	0.07	99.42
66.0-67.0	3.7	0.4	605.2	0.06	99.48
67.0-68.0	3.4	0.3	605.5	0.06	99.54
68.0-69.0	3.2	0.3	605.8	0.05	99.59
69.0-70.0	2.9	0.3	606.1	0.05	99.64
70.0-71.0	2.7	0.3	606.4	0.05	99.69
71.0-72.0	2.4	0.3	606.7	0.04	99.73

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: 3.655 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.655 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	3322.9	3322.9								
G1.0	3321.1	3293.1								
G2.0	3285.5	3230.7								
G3.0	3215.0	3136.1								
G4.0	3111.1	3011.8								
G5.0	2974.8	2861.6								
G6.0	2805.6	2687.6								
G7.0	2614.1	2486.3								
G8.0	2400.8	2268.6								
G9.0	2175.6	2039.9								
G10.0	1941.7	1805.6								
G11.0	1708.9	1576.9								
G12.0	1479.2	1359.5								
G13.0	1262.9	1153.3								
G14.0	1059.9	970.6								
G15.0	883.3	809.4								
G16.0	730.0	670.3								
G17.0	600.2	551.3								
G18.0	491.9	455.5								
G19.0	404.9	374.1								
G20.0	334.4	310.1								
G21.0	277.8	258.9								
G22.0	233.8	217.6								
G23.0	198.0	182.5								
G24.0	169.5	152.6								
G25.0	142.1	127.4								
G26.0	116.9	108.1								
G27.0	97.9	93.4								
G28.0	83.4	81.6								
G29.0	72.3	71.7								
G30.0	63.9	63.0								
G31.0	56.6	56.3								
G32.0	50.8	50.5								
G33.0	46.1	46.0								
G34.0	42.1	42.1								
G35.0	38.9	38.8								
G36.0	36.2	35.5								

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: 3.655 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	33.5	32.6								
G38.0	31.3	30.0								
G39.0	29.0	27.5								
G40.0	27.0	24.7								
G41.0	25.0	22.3								
G42.0	23.1	20.8								
G43.0	21.3	19.3								
G44.0	20.2	18.6								
G45.0	18.9	17.7								
G46.0	18.0	16.8								
G47.0	17.1	16.2								
G48.0	16.5	15.1								
G49.0	15.6	14.4								
G50.0	14.7	13.6								
G51.0	13.9	12.7								
G52.0	13.2	12.0								
G53.0	12.4	10.9								
G54.0	11.5	10.0								
G55.0	10.8	9.4								
G56.0	10.0	8.4								
G57.0	9.3	7.3								
G58.0	8.4	6.7								
G59.0	7.6	6.0								
G60.0	6.7	5.5								
G61.0	6.3	5.1								
G62.0	6.0	4.6								
G63.0	5.4	4.2								
G64.0	4.8	3.9								
G65.0	4.8	3.6								
G66.0	4.0	3.6								
G67.0	3.9	3.1								
G68.0	3.6	3.0								
G69.0	3.4	2.7								
G70.0	3.1	2.4								
G71.0	3.0	2.3								
G72.0	2.5	2.0								
G73.0	2.4	2.0								

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: 3.655 m

Humidity:

Inspector:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.655 m  
Humidity:  
Inspector: