

Report No.:91.06012 Cla Surface Mounted Test Time: 2024-10-07 21:07

Light

## Luminaire Property

Luminaire Category:

Voltage: 239.5 V

Power: 6.10 W

Current: 0.030 A

Power Factor: 0.843

## Photometric Results

CIE Class: Direct

Measurement Flux: 597.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.7

Vertical Diffuse Angle(50%): V34.7

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 1347.74 cd

Total Rated Lamp Lumens: 597.8 lm

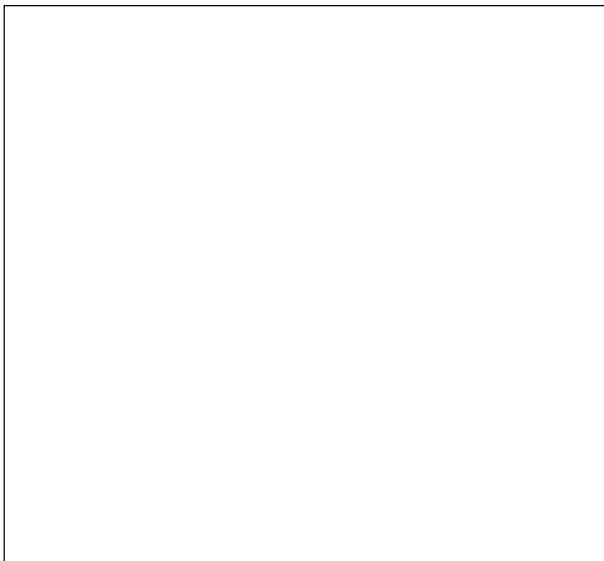
Efficiency: 100%

Upward Ratio: 0%

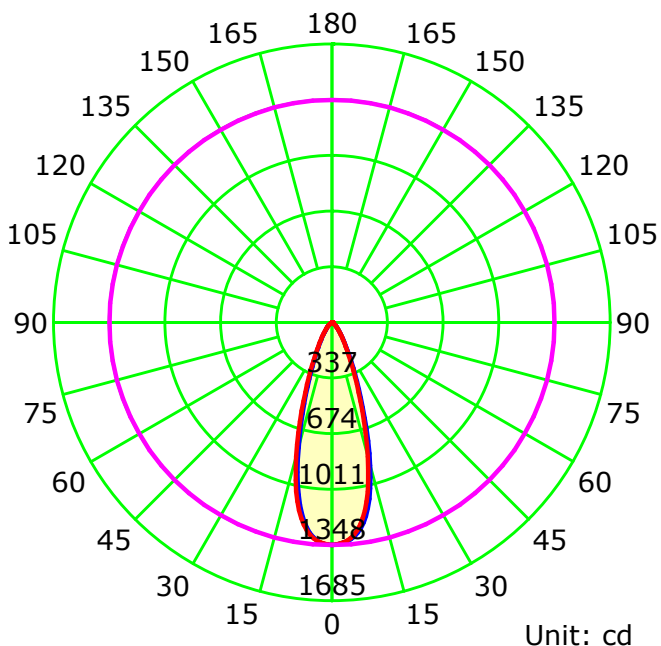
Central Intensity: 1347.74 cd

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

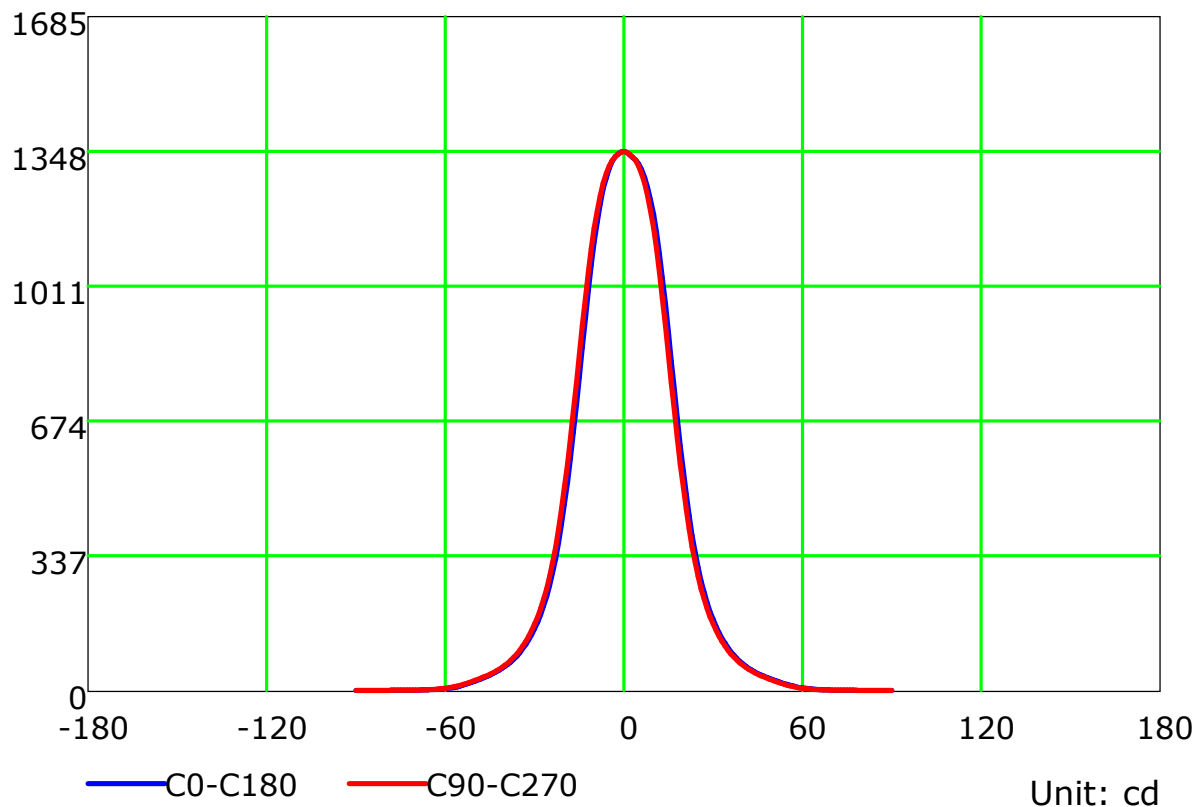
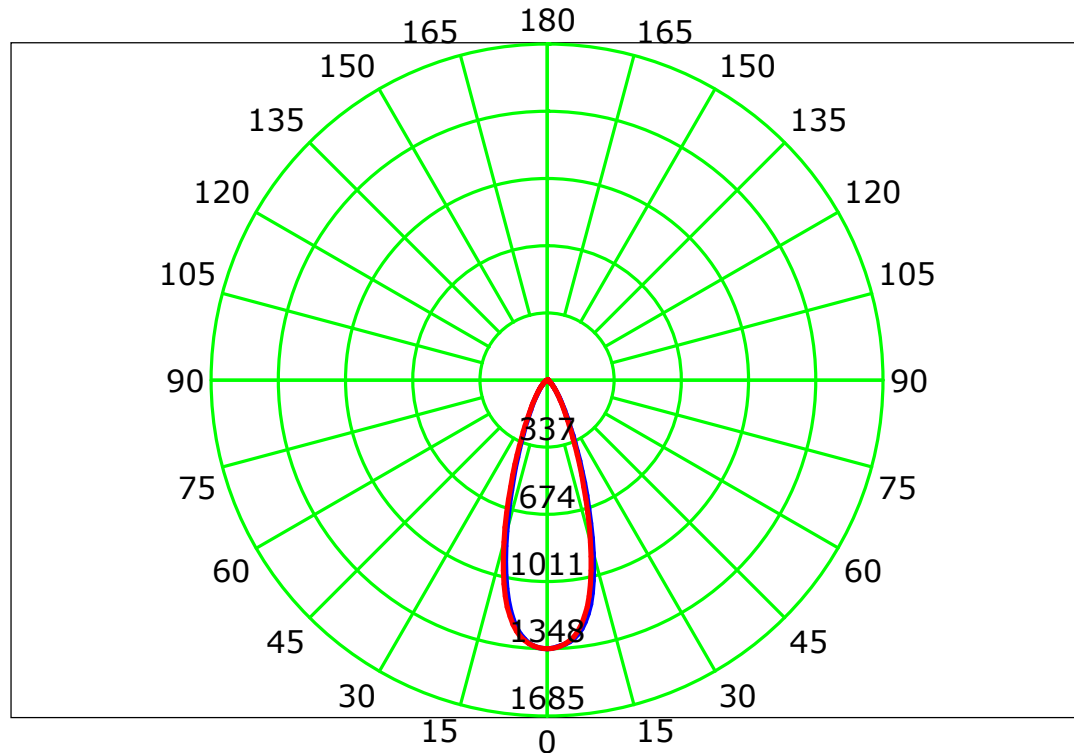
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

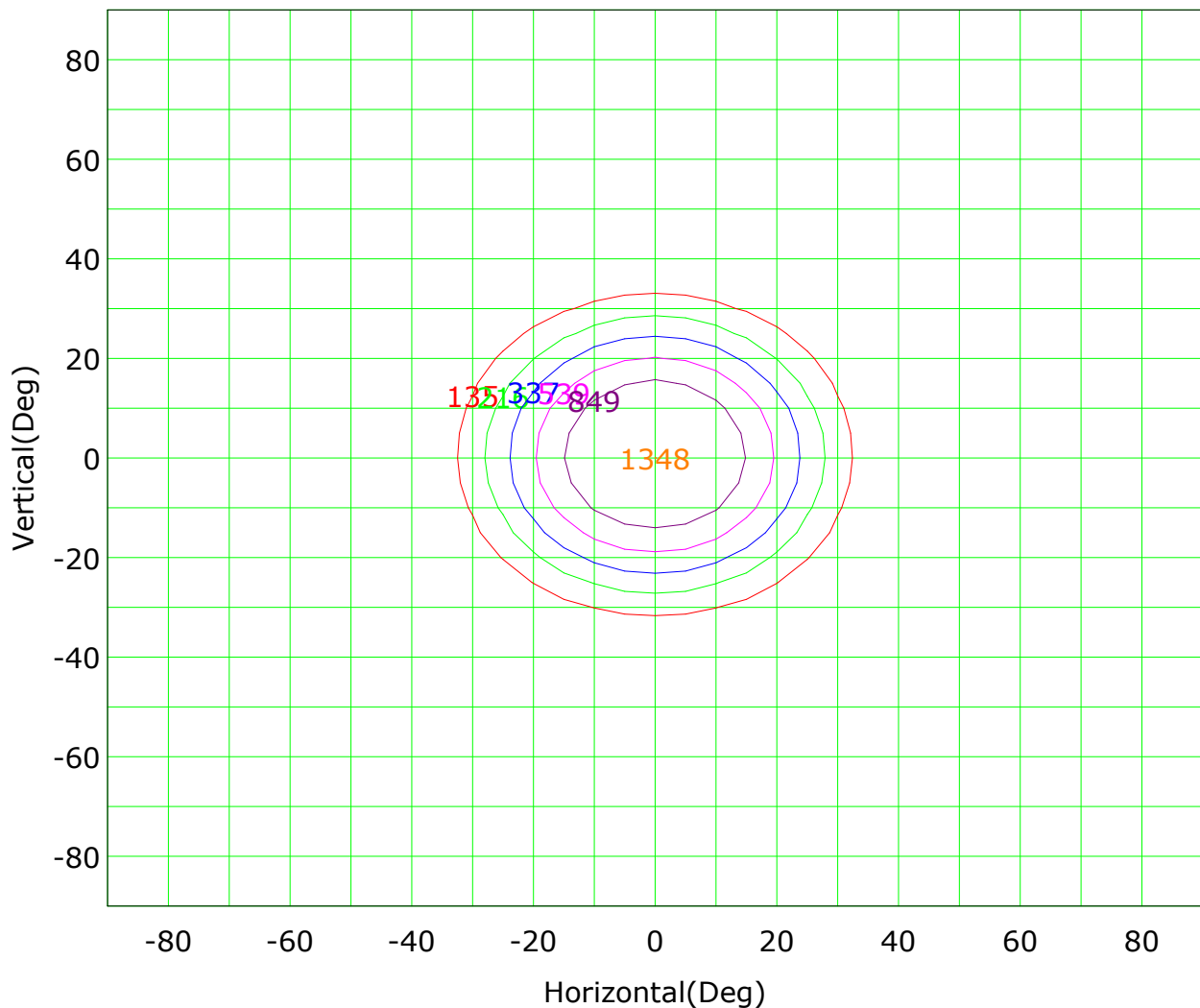
## Luminous Intensity Distribution Curve



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%): 1348 cd

( 10%): 135 cd	( 16%): 216 cd
( 25%): 337 cd	( 40%): 539 cd
( 63%): 849 cd	(100%): 1348 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

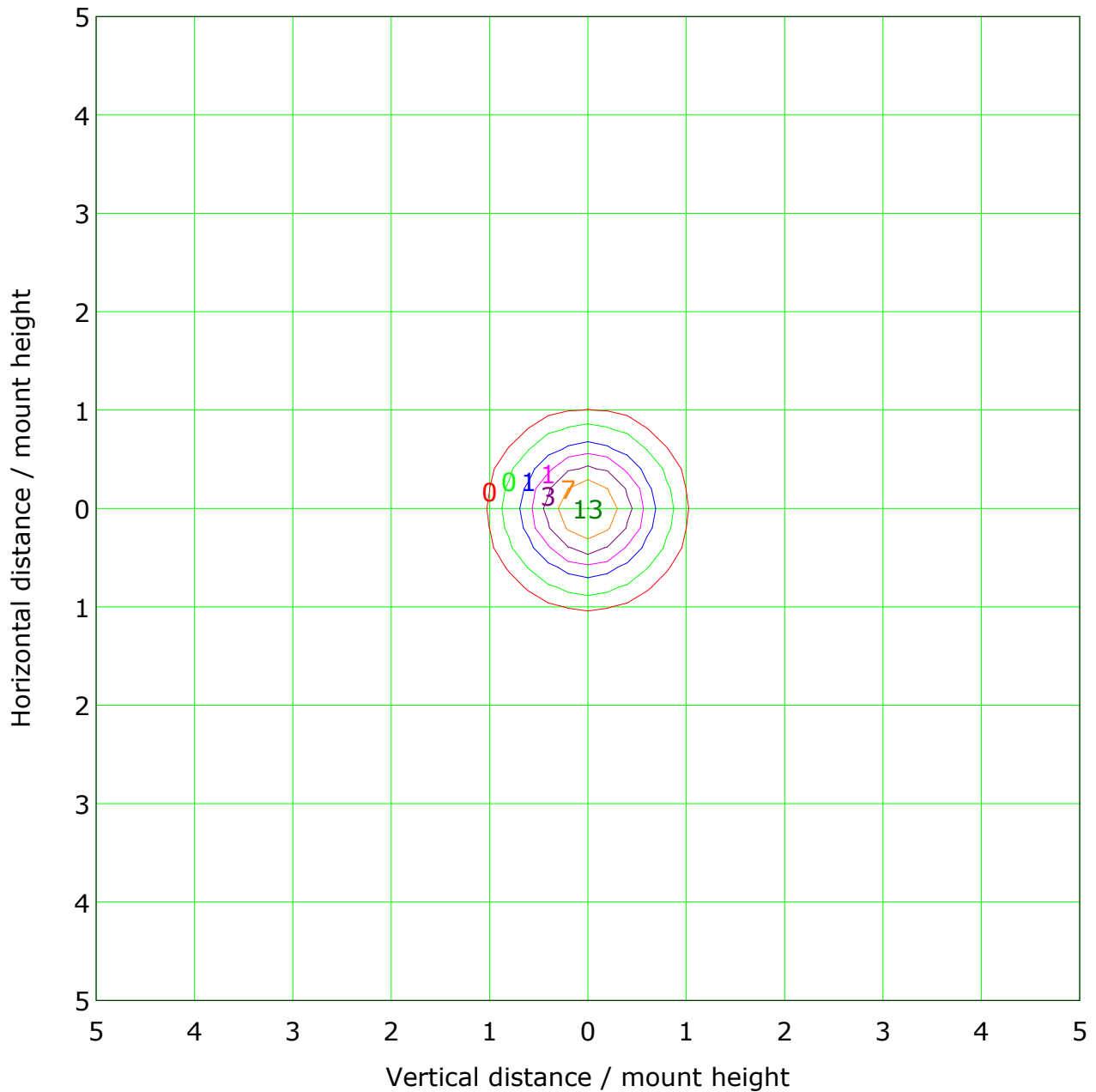
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

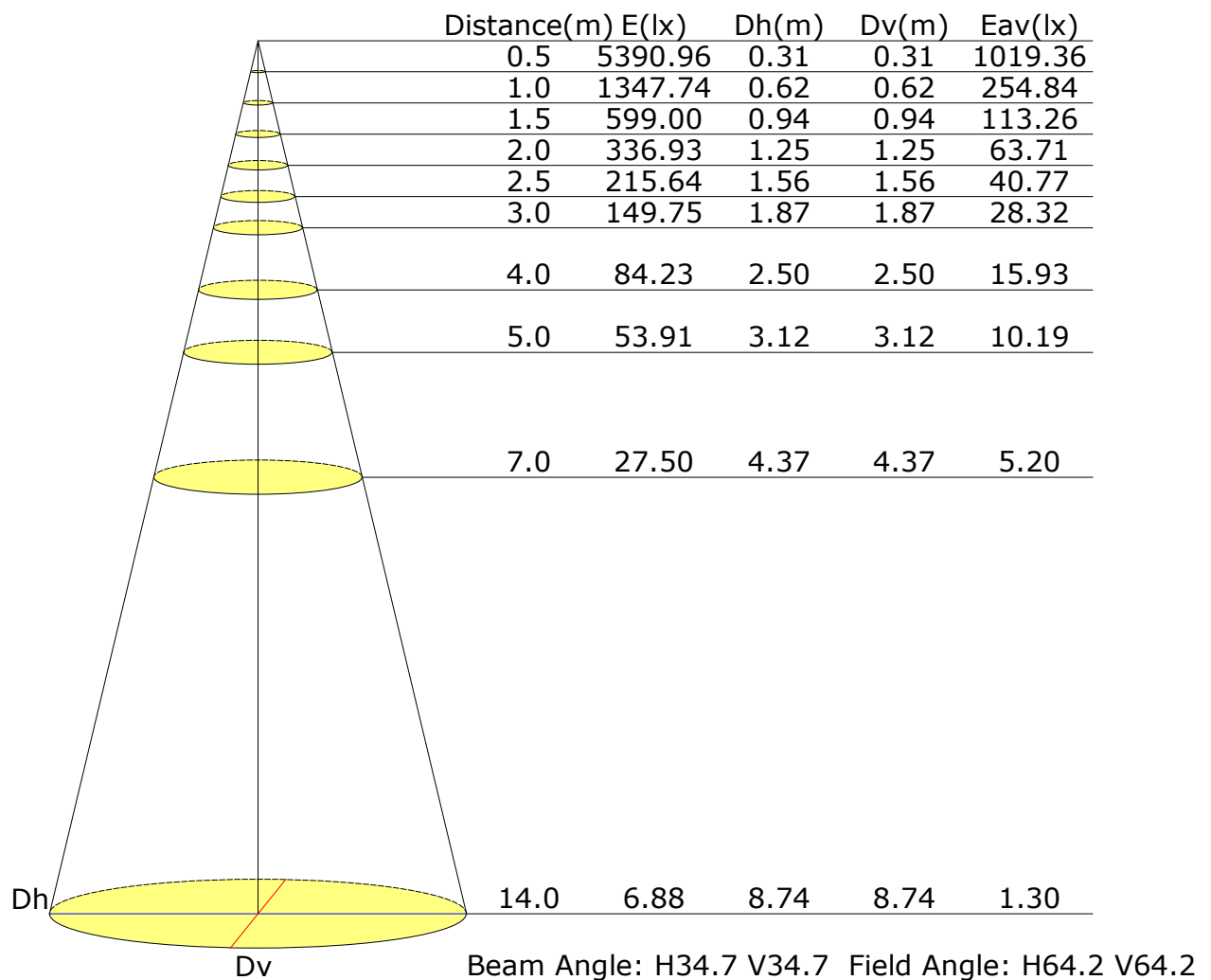


Mounting Height: 10m    Max Lux(100%): 13 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	1 lx
— ( 20%):	3 lx	— ( 50%):	7 lx
— (100%):	13 lx		

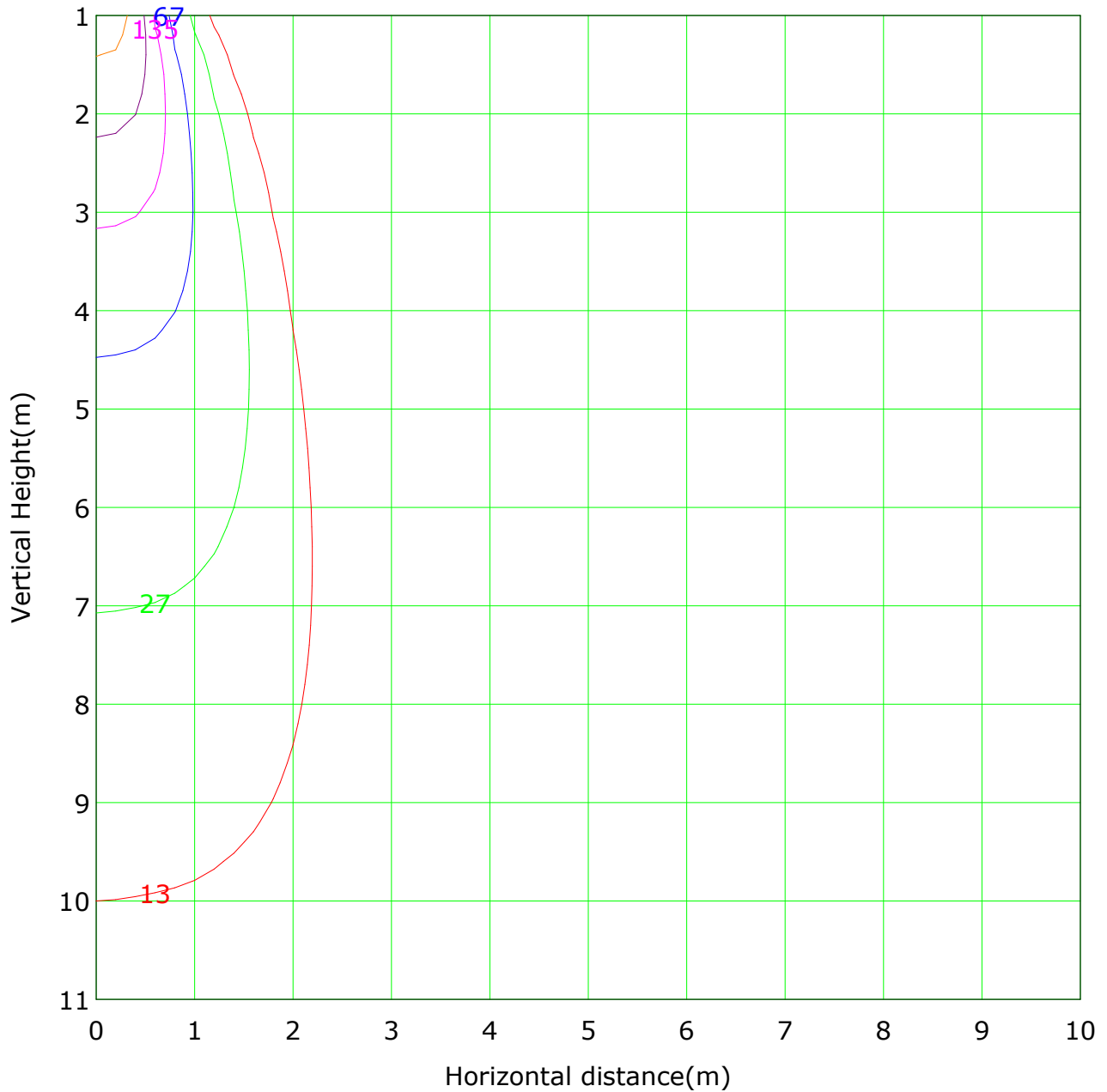
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

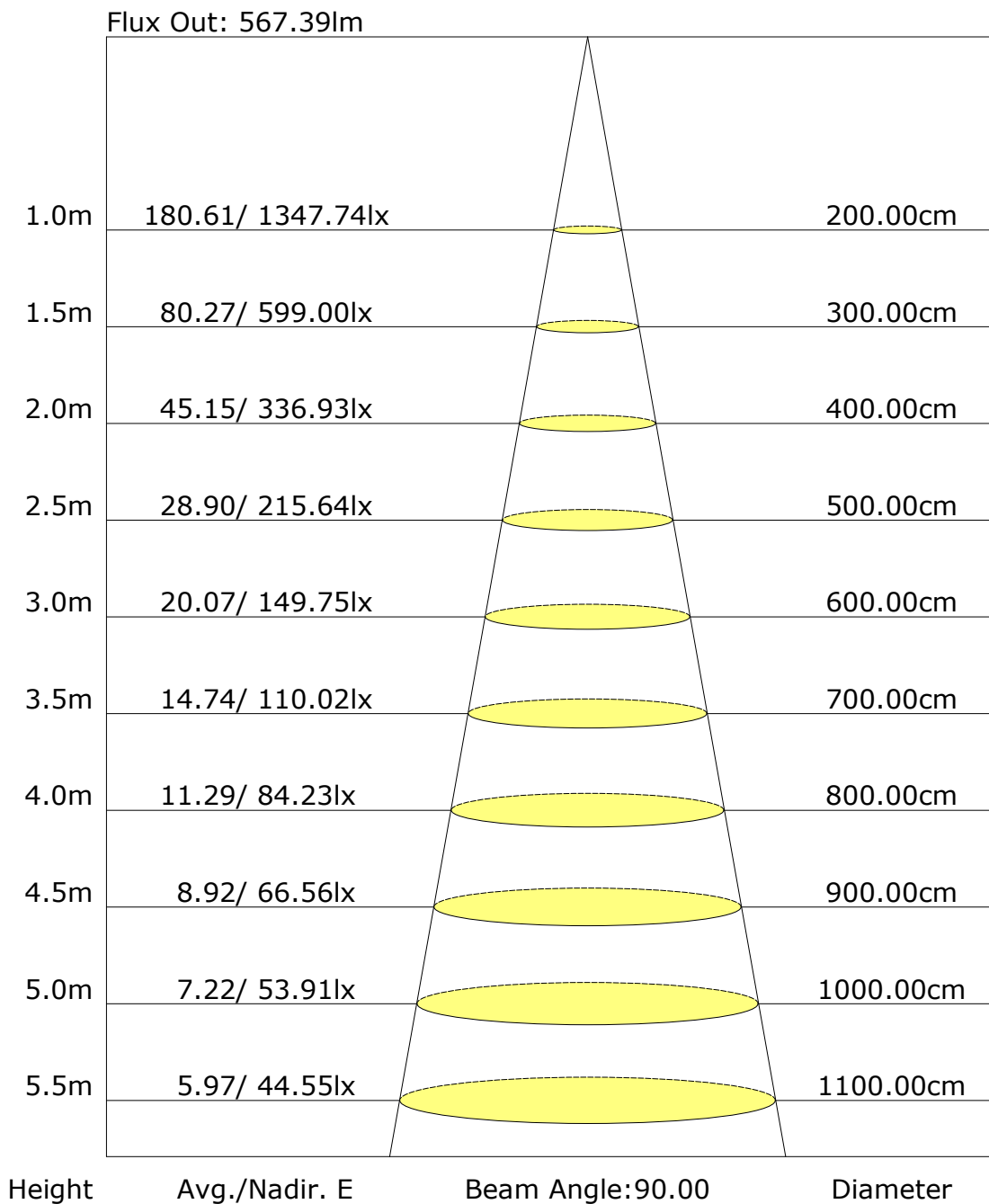


Lowest(m): 1m    Highest(m): 11    Max Lux: 1348	
( 1%): 13 lx	( 2%): 27 lx
( 5%): 67 lx	( 10%): 135 lx
( 20%): 270 lx	( 50%): 674 lx
(100%): 1348 lx	

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	1346.8	1.3	1.3	0.22	0.22
1.0-2.0	1343.4	3.9	5.1	0.65	0.86
2.0-3.0	1337.5	6.4	11.5	1.07	1.93
3.0-4.0	1329.4	8.9	20.4	1.49	3.42
4.0-5.0	1317.8	11.3	31.8	1.90	5.32
5.0-6.0	1301.9	13.7	45.5	2.29	7.61
6.0-7.0	1280.4	15.9	61.4	2.66	10.26
7.0-8.0	1252.5	17.9	79.3	3.00	13.26
8.0-9.0	1218.3	19.7	99.0	3.30	16.57
9.0-10.0	1177.8	21.3	120.4	3.57	20.13
10.0-11.0	1130.3	22.6	142.9	3.78	23.91
11.0-12.0	1075.4	23.5	166.5	3.93	27.84
12.0-13.0	1013.7	24.1	190.5	4.02	31.87
13.0-14.0	946.8	24.2	214.8	4.05	35.92
14.0-15.0	876.7	24.1	238.8	4.03	39.95
15.0-16.0	805.2	23.6	262.4	3.95	43.90
16.0-17.0	733.8	22.9	285.3	3.82	47.72
17.0-18.0	664.3	21.9	307.2	3.66	51.38
18.0-19.0	598.4	20.8	328.0	3.48	54.87
19.0-20.0	537.1	19.7	347.7	3.29	58.16
20.0-21.0	480.4	18.4	366.1	3.09	61.24
21.0-22.0	428.5	17.2	383.3	2.88	64.12
22.0-23.0	381.2	16.0	399.3	2.68	66.80
23.0-24.0	339.1	14.8	414.2	2.48	69.28
24.0-25.0	302.4	13.8	427.9	2.30	71.58
25.0-26.0	270.1	12.7	440.7	2.13	73.71
26.0-27.0	241.6	11.8	452.5	1.98	75.69
27.0-28.0	216.6	11.0	463.5	1.83	77.52
28.0-29.0	194.8	10.2	473.6	1.70	79.23
29.0-30.0	175.5	9.5	483.1	1.59	80.81
30.0-31.0	158.6	8.8	491.9	1.48	82.29
31.0-32.0	143.5	8.2	500.2	1.38	83.67
32.0-33.0	130.0	7.7	507.8	1.28	84.95
33.0-34.0	117.7	7.1	515.0	1.19	86.14
34.0-35.0	106.6	6.6	521.6	1.11	87.25
35.0-36.0	96.6	6.2	527.7	1.03	88.28

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	87.8	5.7	533.5	0.96	89.23
37.0-38.0	80.0	5.3	538.8	0.89	90.13
38.0-39.0	72.8	5.0	543.8	0.83	90.96
39.0-40.0	66.4	4.6	548.4	0.77	91.73
40.0-41.0	60.8	4.3	552.7	0.72	92.46
41.0-42.0	55.7	4.0	556.8	0.68	93.14
42.0-43.0	51.1	3.8	560.6	0.63	93.77
43.0-44.0	46.8	3.5	564.1	0.59	94.36
44.0-45.0	42.9	3.3	567.4	0.55	94.91
45.0-46.0	39.3	3.1	570.5	0.51	95.43
46.0-47.0	36.1	2.9	573.3	0.48	95.90
47.0-48.0	33.0	2.7	576.0	0.45	96.35
48.0-49.0	30.0	2.5	578.5	0.41	96.76
49.0-50.0	27.3	2.3	580.7	0.38	97.14
50.0-51.0	24.5	2.1	582.8	0.35	97.49
51.0-52.0	21.9	1.9	584.7	0.31	97.80
52.0-53.0	19.4	1.7	586.4	0.28	98.09
53.0-54.0	16.8	1.5	587.9	0.25	98.33
54.0-55.0	14.5	1.3	589.2	0.22	98.55
55.0-56.0	12.4	1.1	590.3	0.19	98.74
56.0-57.0	10.5	1.0	591.2	0.16	98.90
57.0-58.0	8.8	0.8	592.1	0.14	99.04
58.0-59.0	7.4	0.7	592.7	0.12	99.15
59.0-60.0	6.3	0.6	593.3	0.10	99.25
60.0-61.0	5.5	0.5	593.9	0.09	99.34
61.0-62.0	4.7	0.5	594.3	0.08	99.41
62.0-63.0	4.0	0.4	594.7	0.06	99.48
63.0-64.0	3.4	0.3	595.0	0.06	99.54
64.0-65.0	2.9	0.3	595.3	0.05	99.58
65.0-66.0	2.5	0.3	595.6	0.04	99.63
66.0-67.0	2.2	0.2	595.8	0.04	99.66
67.0-68.0	2.0	0.2	596.0	0.03	99.70
68.0-69.0	1.7	0.2	596.2	0.03	99.72
69.0-70.0	1.4	0.1	596.3	0.02	99.75
70.0-71.0	1.3	0.1	596.5	0.02	99.77
71.0-72.0	1.2	0.1	596.6	0.02	99.79

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	1347.7	1347.7								
G1.0	1345.6	1346.3								
G2.0	1339.7	1342.0								
G3.0	1333.0	1335.3								
G4.0	1326.5	1322.7								
G5.0	1317.3	1304.8								
G6.0	1303.3	1282.1								
G7.0	1282.8	1253.4								
G8.0	1257.6	1216.3								
G9.0	1227.2	1172.3								
G10.0	1190.6	1121.2								
G11.0	1145.3	1064.3								
G12.0	1091.8	1000.4								
G13.0	1032.2	930.5								
G14.0	967.5	857.2								
G15.0	897.3	784.9								
G16.0	824.2	714.2								
G17.0	751.1	645.7								
G18.0	680.0	580.5								
G19.0	612.7	520.5								
G20.0	549.0	466.2								
G21.0	490.6	415.9								
G22.0	437.1	370.3								
G23.0	387.6	329.9								
G24.0	344.8	294.4								
G25.0	307.6	262.8								
G26.0	274.4	235.4								
G27.0	245.2	211.3								
G28.0	219.9	190.2								
G29.0	197.3	171.7								
G30.0	177.8	155.2								
G31.0	160.6	140.7								
G32.0	145.1	127.6								
G33.0	131.1	115.9								
G34.0	118.8	105.0								
G35.0	107.6	95.0								
G36.0	97.5	86.4								

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	88.6	78.8								
G38.0	80.6	72.0								
G39.0	73.0	65.8								
G40.0	66.7	60.2								
G41.0	61.0	55.3								
G42.0	55.9	50.8								
G43.0	51.3	46.4								
G44.0	46.9	42.6								
G45.0	43.2	38.7								
G46.0	39.8	35.4								
G47.0	36.8	32.3								
G48.0	33.5	29.3								
G49.0	30.5	26.7								
G50.0	27.8	24.0								
G51.0	25.2	21.1								
G52.0	22.6	18.8								
G53.0	19.9	16.3								
G54.0	17.5	13.7								
G55.0	15.3	11.7								
G56.0	13.4	9.3								
G57.0	11.3	7.9								
G58.0	9.3	6.7								
G59.0	7.7	5.8								
G60.0	6.7	5.0								
G61.0	6.0	4.3								
G62.0	5.0	3.5								
G63.0	4.5	3.0								
G64.0	3.5	2.7								
G65.0	3.0	2.5								
G66.0	2.5	2.2								
G67.0	2.2	1.9								
G68.0	1.9	1.9								
G69.0	1.6	1.4								
G70.0	1.4	1.4								
G71.0	1.4	1.2								
G72.0	1.1	1.2								
G73.0	1.1	1.0								

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: