

Report No.:

Test Time: 2024-08-28 15:33

## Luminaire Property

Luminaire Category:

Luminaire Description: 51.12511

Current: 0.135 A

Power Factor: 0.971

Voltage: 221.6 V

Power: 29.20 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 2597.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.2

Vertical Diffuse Angle(50%): V34.2

Luminaire Efficacy Rating (LER): 89

Max. Intensity: 6687 cd

Total Rated Lamp Lumens: 2597.6 lm

Efficiency: 100%

Upward Ratio: 0%

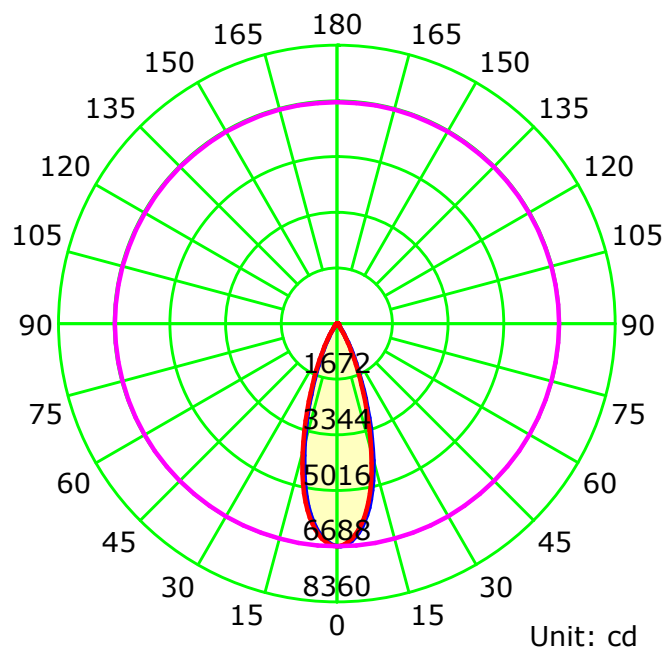
Central Intensity: 6685.75 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

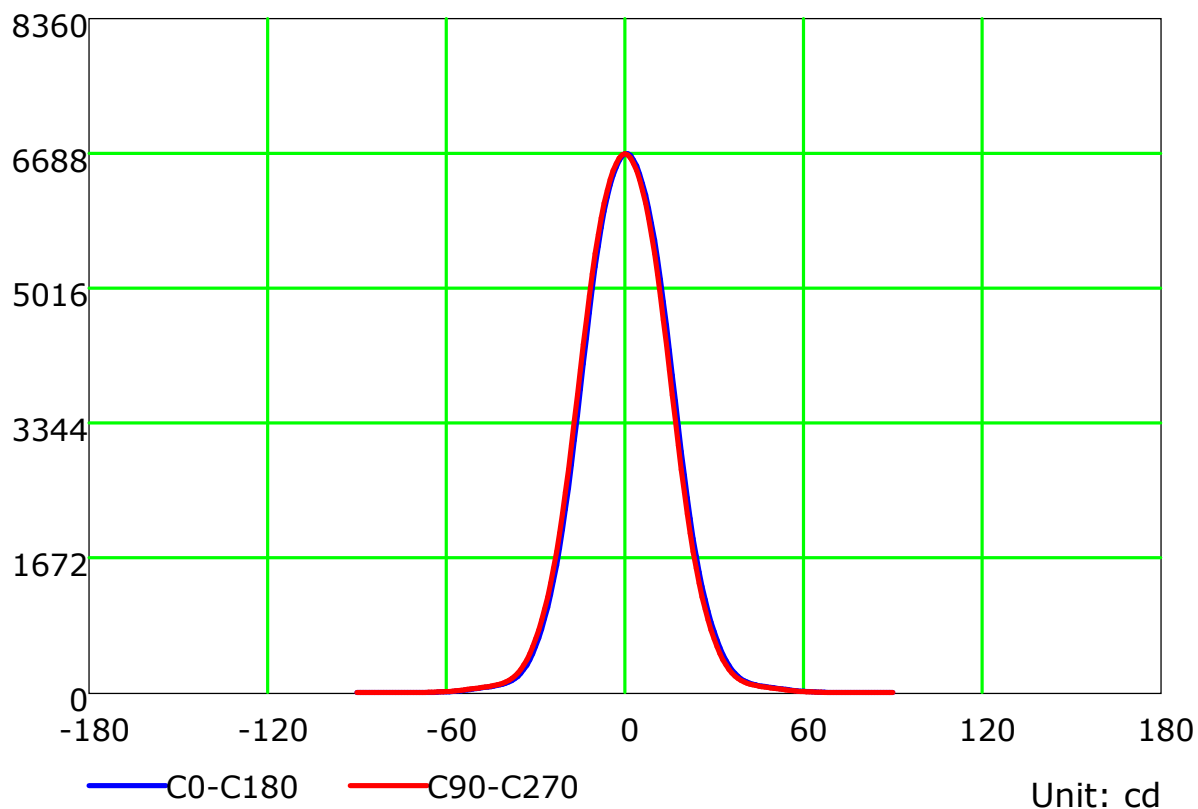
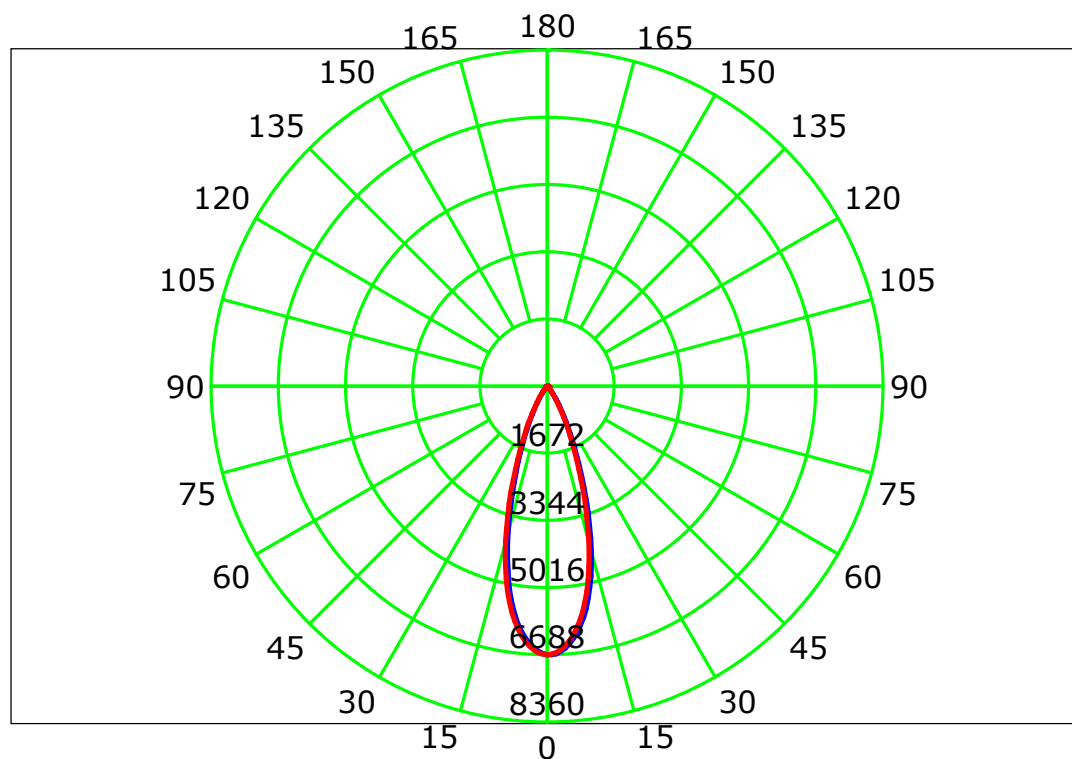
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

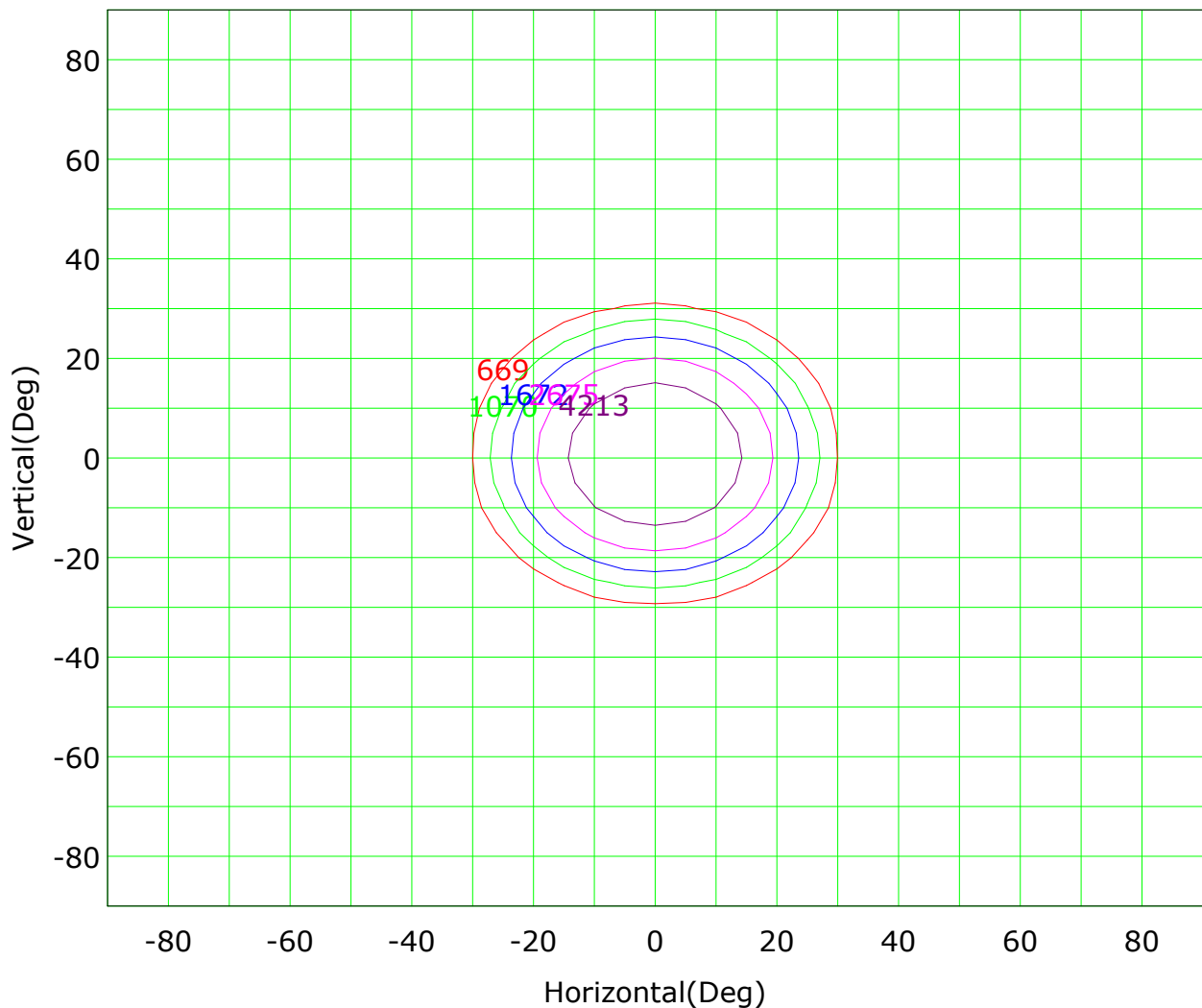
## Luminous Intensity Distribution Curve



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%): 6687 cd

( 10%): 669 cd	( 16%): 1070 cd
( 25%): 1672 cd	( 40%): 2675 cd
( 63%): 4213 cd	(100%): 6687 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

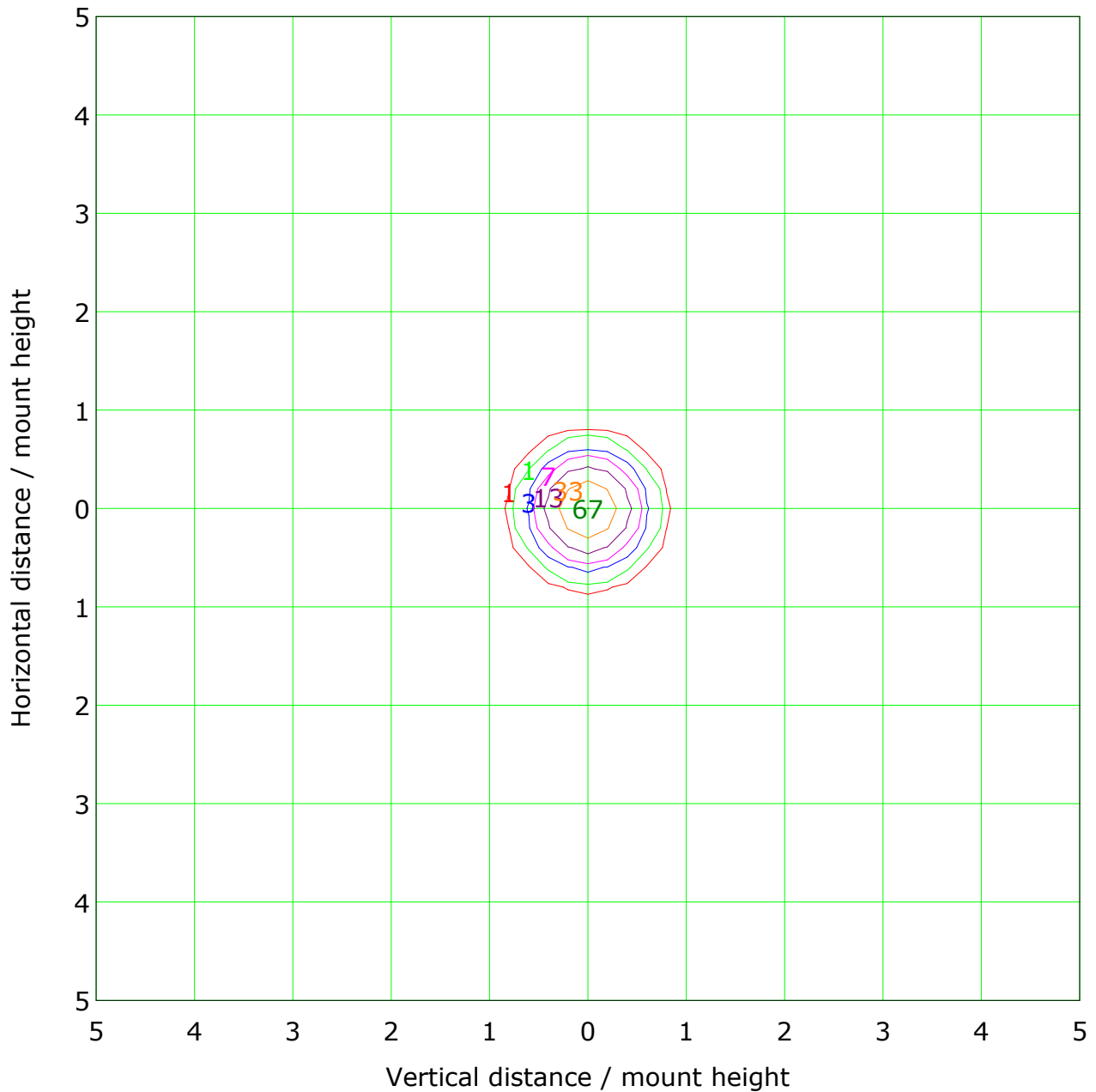
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

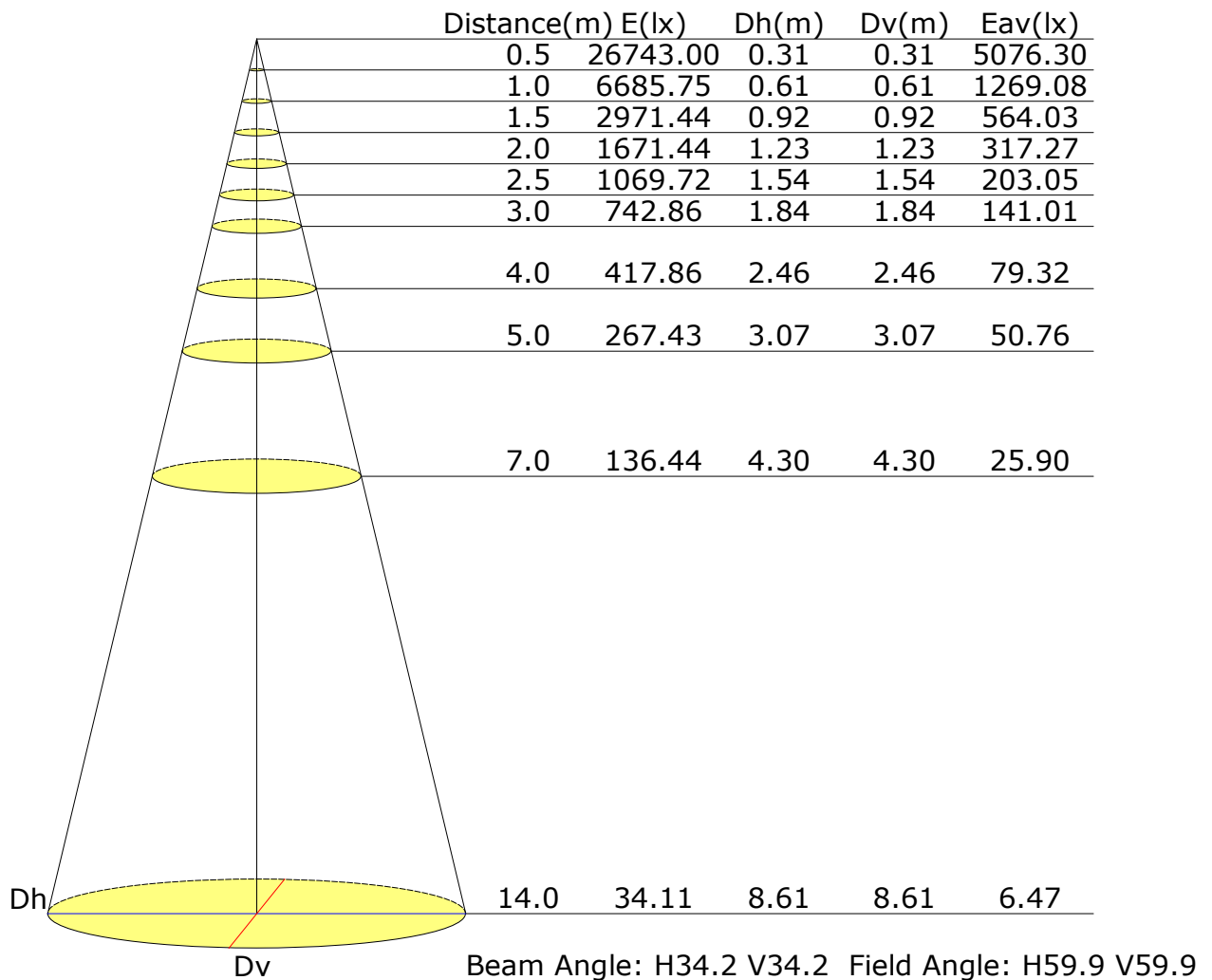


Mounting Height: 10m		Max Lux(100%): 67 lx	
( 1%):	1 lx	( 2%):	1 lx
( 5%):	3 lx	( 10%):	7 lx
( 20%):	13 lx	( 50%):	33 lx
(100%):	67 lx		

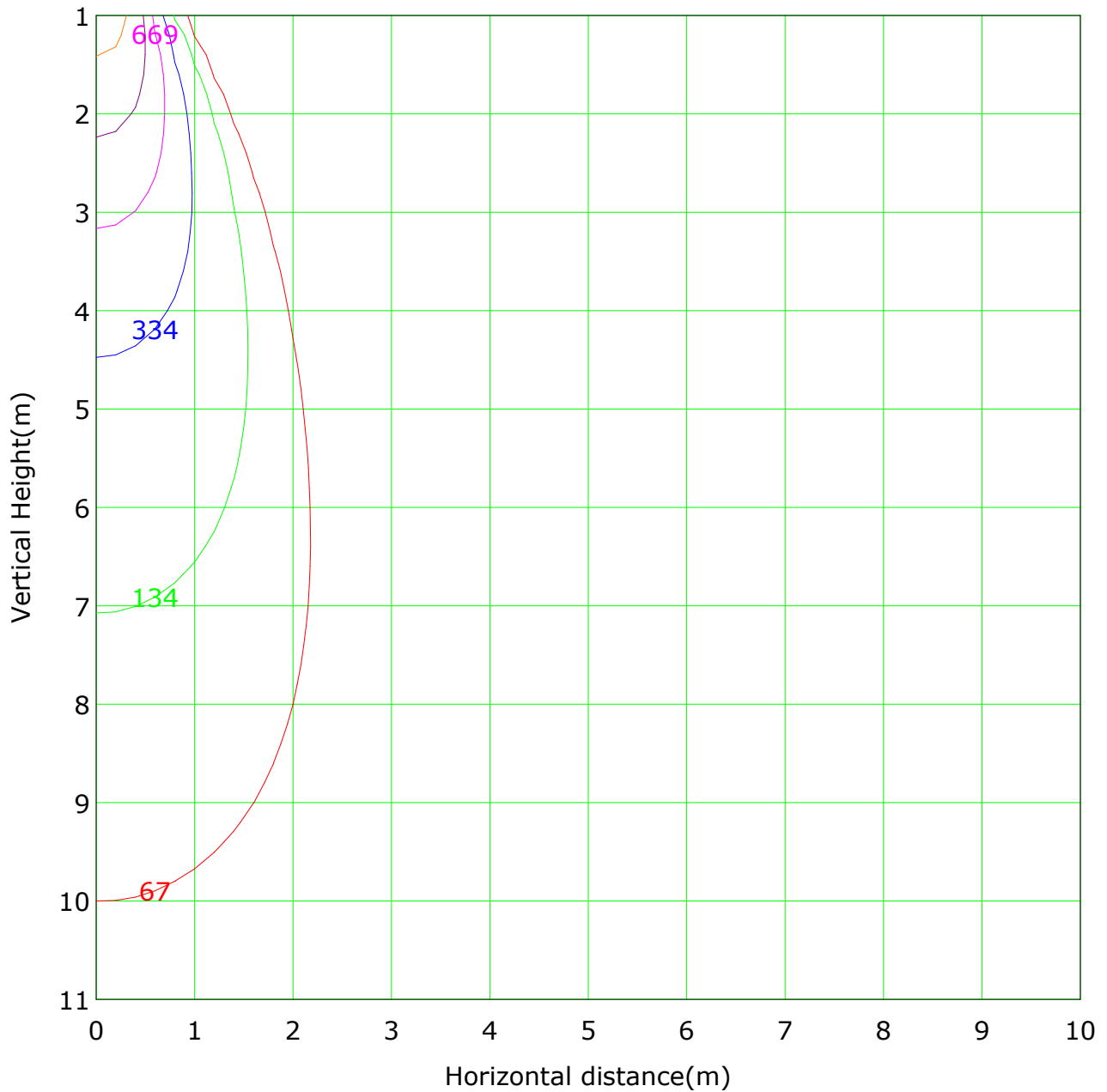
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



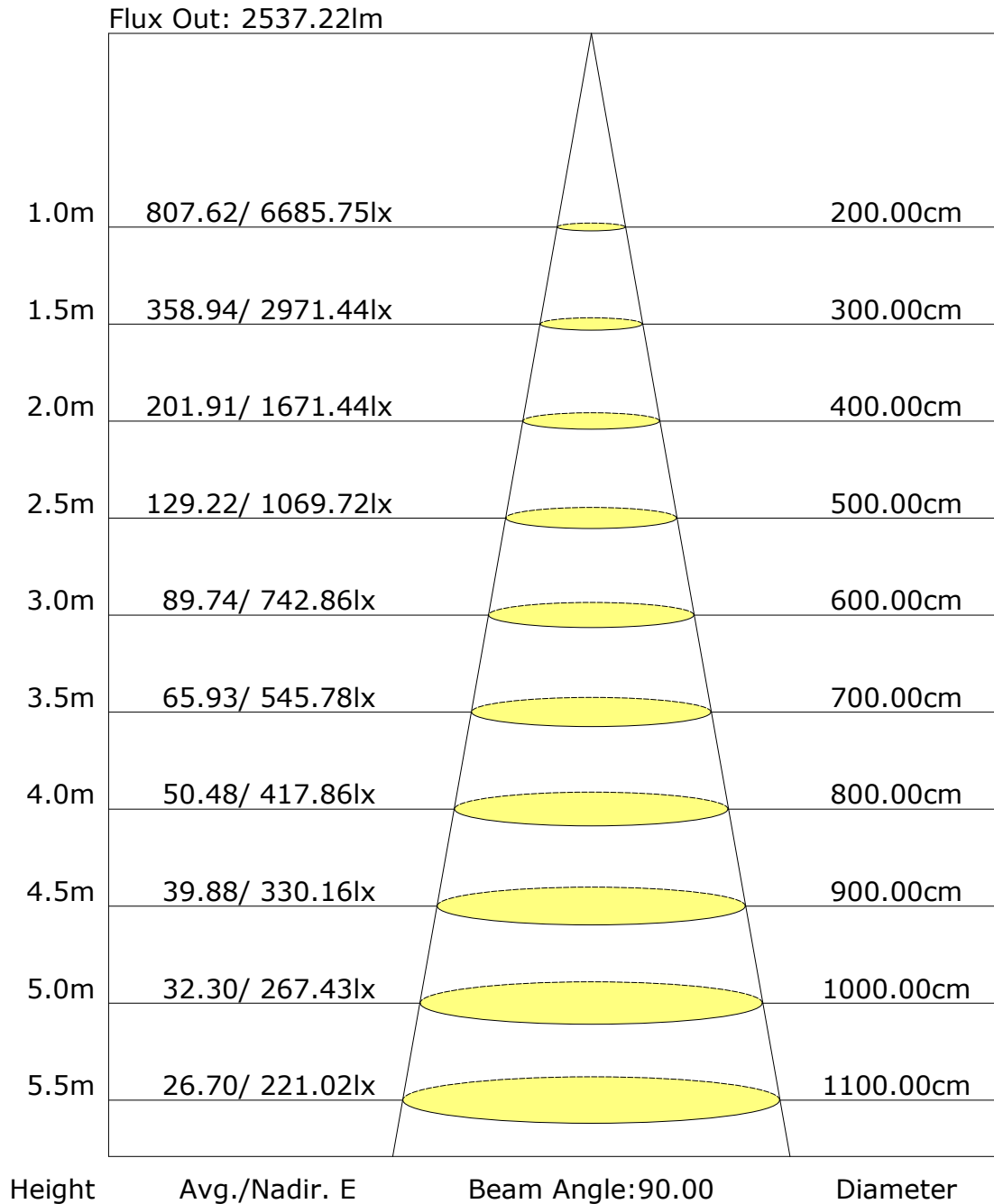
Lowest(m): 1m    Highest(m): 11    Max Lux: 6686

( 1%): 67 lx	( 2%): 134 lx
( 5%): 334 lx	( 10%): 669 lx
( 20%): 1337 lx	( 50%): 3343 lx
(100%): 6686 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	6678.0	6.4	6.4	0.25	0.25
1.0-2.0	6650.2	19.1	25.5	0.73	0.98
2.0-3.0	6596.0	31.6	57.0	1.21	2.20
3.0-4.0	6518.1	43.6	100.7	1.68	3.88
4.0-5.0	6418.7	55.2	155.9	2.13	6.00
5.0-6.0	6296.2	66.2	222.1	2.55	8.55
6.0-7.0	6149.7	76.3	298.4	2.94	11.49
7.0-8.0	5978.3	85.6	384.0	3.29	14.78
8.0-9.0	5783.2	93.7	477.7	3.61	18.39
9.0-10.0	5563.5	100.7	578.4	3.88	22.27
10.0-11.0	5320.4	106.3	684.7	4.09	26.36
11.0-12.0	5055.1	110.5	795.3	4.25	30.62
12.0-13.0	4770.6	113.2	908.5	4.36	34.97
13.0-14.0	4472.0	114.5	1023.0	4.41	39.38
14.0-15.0	4162.5	114.3	1137.3	4.40	43.78
15.0-16.0	3847.5	112.8	1250.0	4.34	48.12
16.0-17.0	3531.4	110.0	1360.0	4.23	52.36
17.0-18.0	3219.8	106.2	1466.2	4.09	56.44
18.0-19.0	2916.5	101.5	1567.7	3.91	60.35
19.0-20.0	2625.1	96.1	1663.8	3.70	64.05
20.0-21.0	2350.9	90.3	1754.0	3.48	67.53
21.0-22.0	2096.2	84.2	1838.3	3.24	70.77
22.0-23.0	1861.2	78.1	1916.4	3.01	73.78
23.0-24.0	1645.6	72.0	1988.3	2.77	76.55
24.0-25.0	1449.2	65.9	2054.3	2.54	79.08
25.0-26.0	1271.3	60.0	2114.3	2.31	81.39
26.0-27.0	1111.1	54.4	2168.6	2.09	83.49
27.0-28.0	966.5	48.9	2217.6	1.88	85.37
28.0-29.0	836.5	43.8	2261.3	1.69	87.06
29.0-30.0	720.9	38.9	2300.3	1.50	88.55
30.0-31.0	617.4	34.4	2334.6	1.32	89.88
31.0-32.0	525.5	30.1	2364.7	1.16	91.04
32.0-33.0	444.7	26.2	2390.9	1.01	92.04
33.0-34.0	375.2	22.7	2413.7	0.87	92.92
34.0-35.0	316.3	19.6	2433.3	0.76	93.68
35.0-36.0	265.8	16.9	2450.2	0.65	94.33

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	224.4	14.6	2464.9	0.56	94.89
37.0-38.0	192.0	12.8	2477.7	0.49	95.38
38.0-39.0	165.8	11.3	2489.0	0.44	95.82
39.0-40.0	144.0	10.0	2499.0	0.39	96.21
40.0-41.0	125.9	9.0	2508.0	0.35	96.55
41.0-42.0	112.5	8.2	2516.2	0.31	96.87
42.0-43.0	102.2	7.6	2523.8	0.29	97.16
43.0-44.0	92.6	7.0	2530.8	0.27	97.43
44.0-45.0	84.1	6.5	2537.2	0.25	97.68
45.0-46.0	77.6	6.1	2543.3	0.23	97.91
46.0-47.0	72.3	5.8	2549.0	0.22	98.13
47.0-48.0	67.3	5.4	2554.5	0.21	98.34
48.0-49.0	62.0	5.1	2559.6	0.20	98.54
49.0-50.0	57.0	4.8	2564.3	0.18	98.72
50.0-51.0	52.4	4.4	2568.8	0.17	98.89
51.0-52.0	47.4	4.1	2572.8	0.16	99.05
52.0-53.0	42.4	3.7	2576.5	0.14	99.19
53.0-54.0	37.1	3.3	2579.8	0.13	99.31
54.0-55.0	32.1	2.9	2582.7	0.11	99.42
55.0-56.0	27.4	2.5	2585.1	0.10	99.52
56.0-57.0	24.0	2.2	2587.3	0.08	99.60
57.0-58.0	20.6	1.9	2589.2	0.07	99.68
58.0-59.0	16.5	1.5	2590.8	0.06	99.74
59.0-60.0	14.0	1.3	2592.1	0.05	99.79
60.0-61.0	12.5	1.2	2593.3	0.05	99.83
61.0-62.0	11.2	1.1	2594.4	0.04	99.88
62.0-63.0	9.4	0.9	2595.3	0.04	99.91
63.0-64.0	7.2	0.7	2596.0	0.03	99.94
64.0-65.0	5.6	0.6	2596.5	0.02	99.96
65.0-66.0	4.7	0.5	2597.0	0.02	99.98
66.0-67.0	3.4	0.3	2597.3	0.01	99.99
67.0-68.0	1.6	0.2	2597.5	0.01	100.00
68.0-69.0	0.6	0.1	2597.6	0.00	100.00
69.0-70.0	0.3	0.0	2597.6	0.00	100.00
70.0-71.0	0.0	0.0	2597.6	0.00	100.00
71.0-72.0	0.0	0.0	2597.6	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	6685.8	6685.8								
G1.0	6687.0	6653.3								
G2.0	6663.3	6597.2								
G3.0	6606.0	6517.5								
G4.0	6532.4	6416.5								
G5.0	6430.2	6295.5								
G6.0	6311.8	6147.2								
G7.0	6170.9	5968.9								
G8.0	6005.1	5768.2								
G9.0	5820.6	5538.8								
G10.0	5611.1	5283.3								
G11.0	5379.3	5007.8								
G12.0	5123.7	4709.8								
G13.0	4850.7	4398.2								
G14.0	4557.7	4081.5								
G15.0	4248.6	3762.4								
G16.0	3936.9	3442.0								
G17.0	3615.3	3131.6								
G18.0	3301.1	2831.1								
G19.0	2993.2	2540.7								
G20.0	2694.0	2272.6								
G21.0	2414.8	2022.1								
G22.0	2156.7	1791.4								
G23.0	1913.6	1583.2								
G24.0	1695.4	1390.0								
G25.0	1496.0	1215.5								
G26.0	1316.5	1057.2								
G27.0	1153.1	917.5								
G28.0	1007.3	787.9								
G29.0	875.1	675.7								
G30.0	758.0	574.7								
G31.0	653.2	483.7								
G32.0	558.5	406.4								
G33.0	473.7	340.3								
G34.0	400.2	286.7								
G35.0	337.8	240.6								
G36.0	283.0	202.0								

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	239.4	173.3								
G38.0	204.4	150.8								
G39.0	174.5	133.4								
G40.0	149.6	118.4								
G41.0	132.1	103.5								
G42.0	118.4	96.0								
G43.0	106.0	88.5								
G44.0	96.0	79.8								
G45.0	87.3	73.6								
G46.0	79.8	69.8								
G47.0	76.1	63.6								
G48.0	69.8	59.8								
G49.0	63.6	54.8								
G50.0	59.8	49.9								
G51.0	54.8	44.9								
G52.0	51.1	38.7								
G53.0	44.9	34.9								
G54.0	39.9	28.7								
G55.0	36.2	23.7								
G56.0	29.9	20.0								
G57.0	27.4	18.7								
G58.0	21.2	15.0								
G59.0	18.7	11.2								
G60.0	16.2	10.0								
G61.0	13.7	10.0								
G62.0	12.5	8.7								
G63.0	10.0	6.2								
G64.0	8.7	3.7								
G65.0	6.2	3.7								
G66.0	6.2	2.5								
G67.0	5.0	0.0								
G68.0	1.3	0.0								
G69.0	1.3	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: