

Report No.:

Test Time: 2025-05-12 14:24

## Luminaire Property

Luminaire Category:

Luminaire Description: VERO

Current: 0.064 A

Power Factor: 0.517

Voltage: 234.0 V

Power: 7.70 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 446.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H44

Vertical Diffuse Angle(50%): V44

Luminaire Efficacy Rating (LER): 58

Max. Intensity: 932.3 cd

Total Rated Lamp Lumens: 446.2 lm

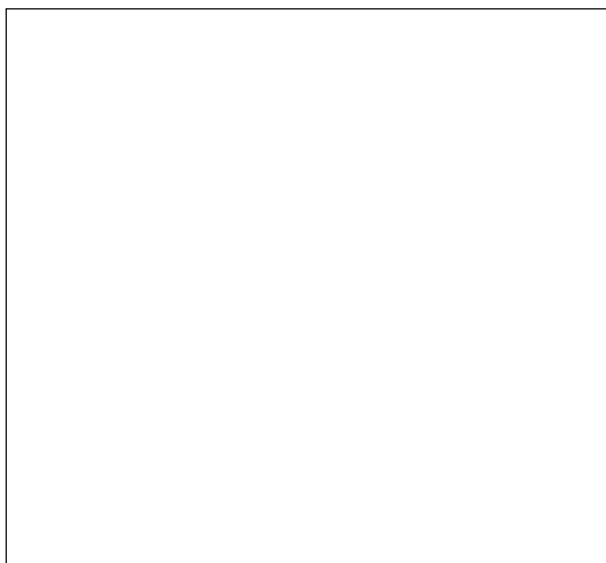
Efficiency: 100%

Upward Ratio: 0%

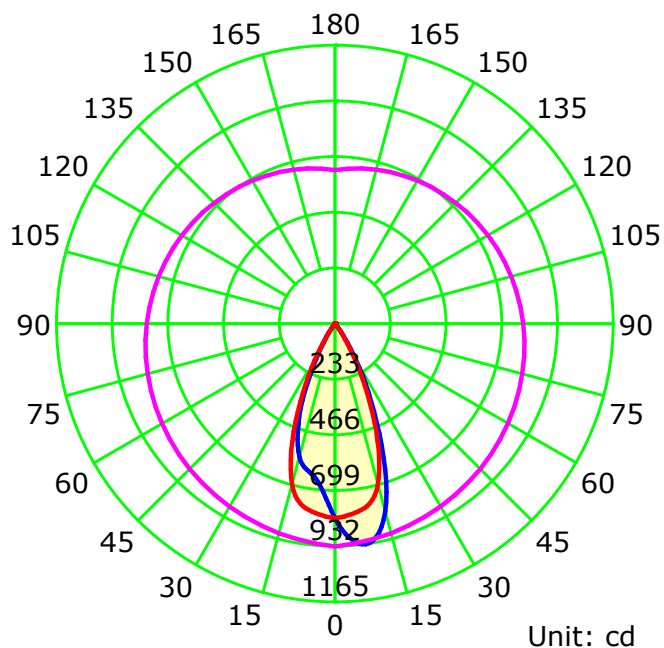
Central Intensity: 813.43 cd

Pos of Max. Intensity: H0 V8

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G8

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

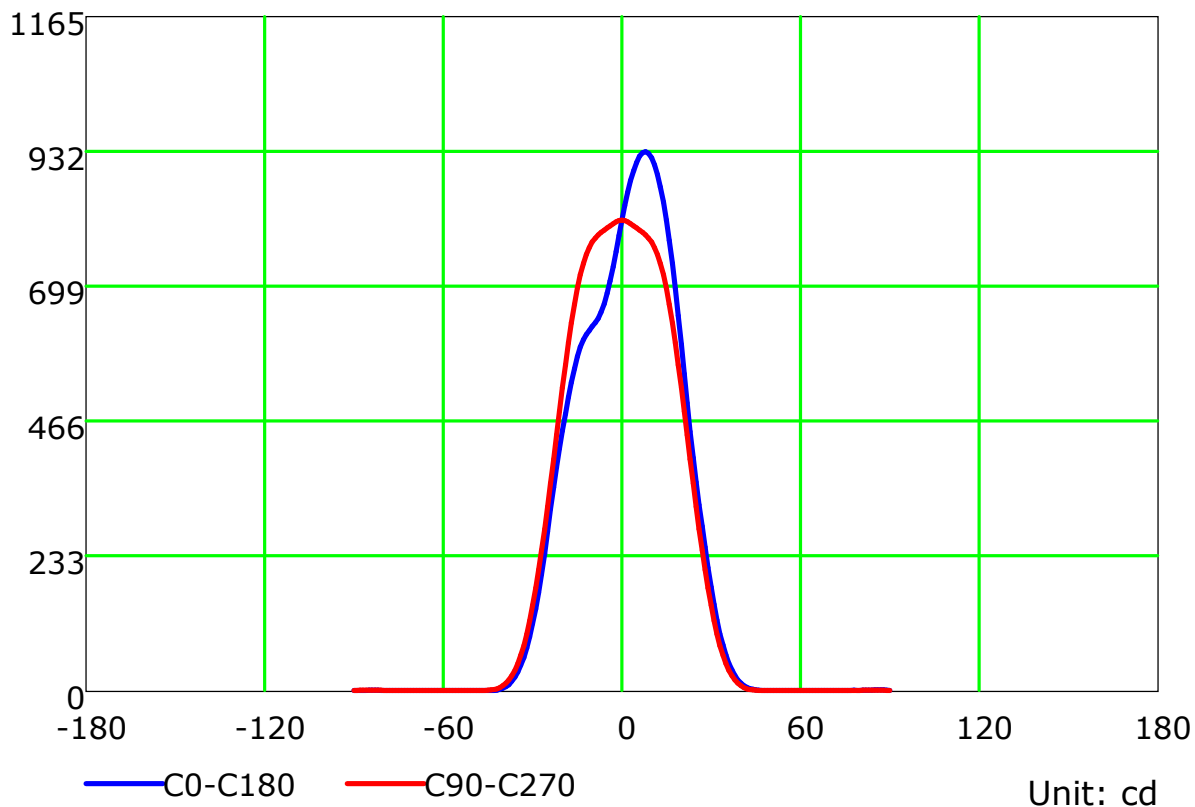
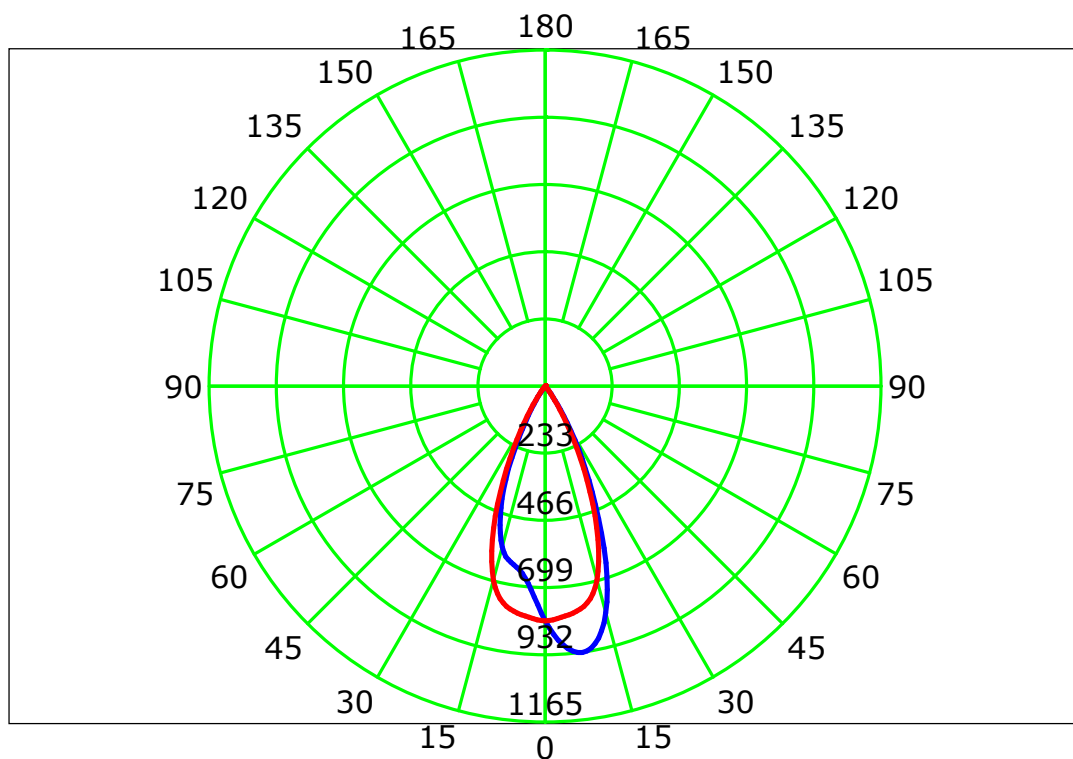
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

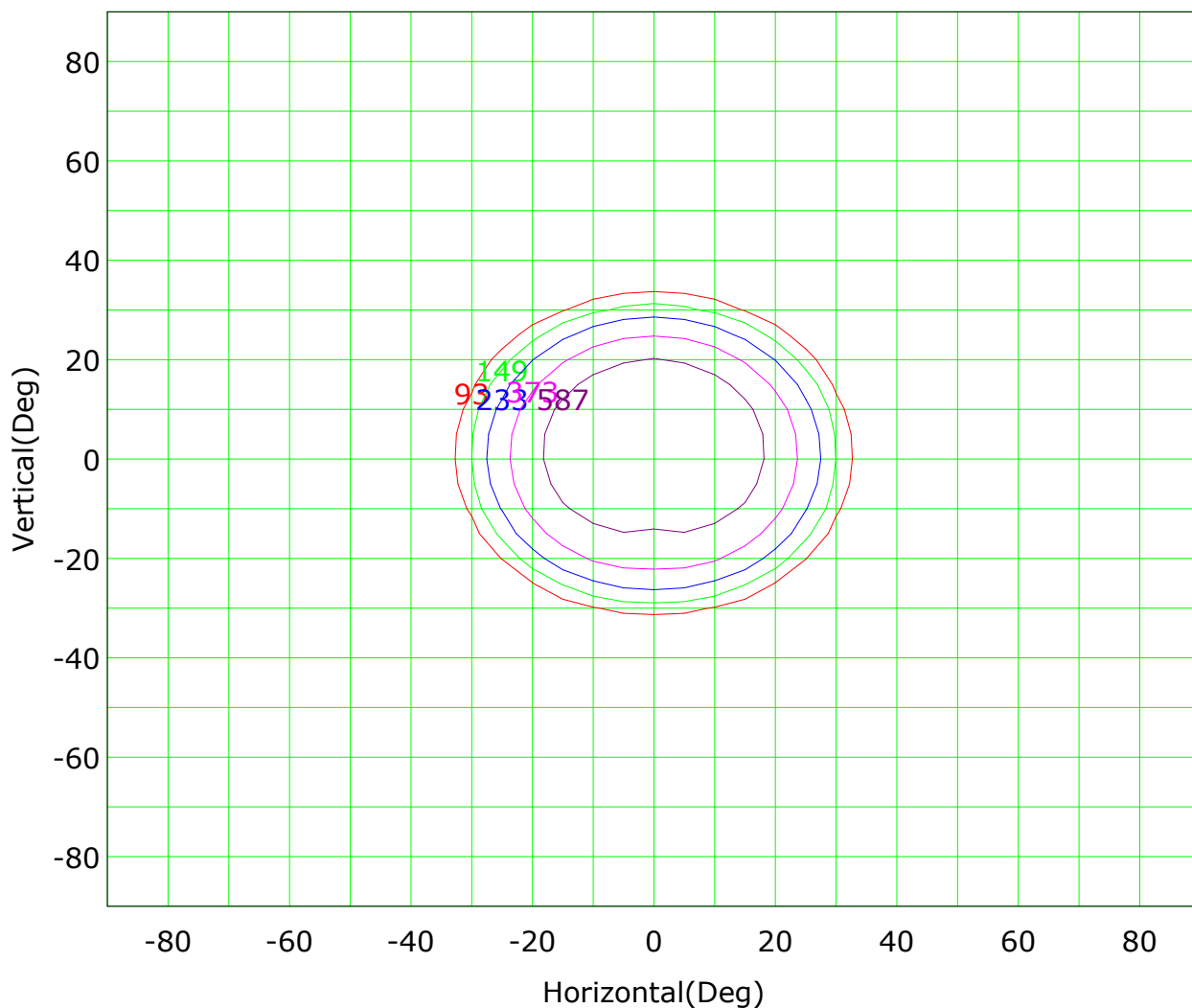
## Luminous Intensity Distribution Curve



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: 3.000 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 932 cd

( 10%): 93 cd	( 16%): 149 cd
( 25%): 233 cd	( 40%): 373 cd
( 63%): 587 cd	(100%): 932 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

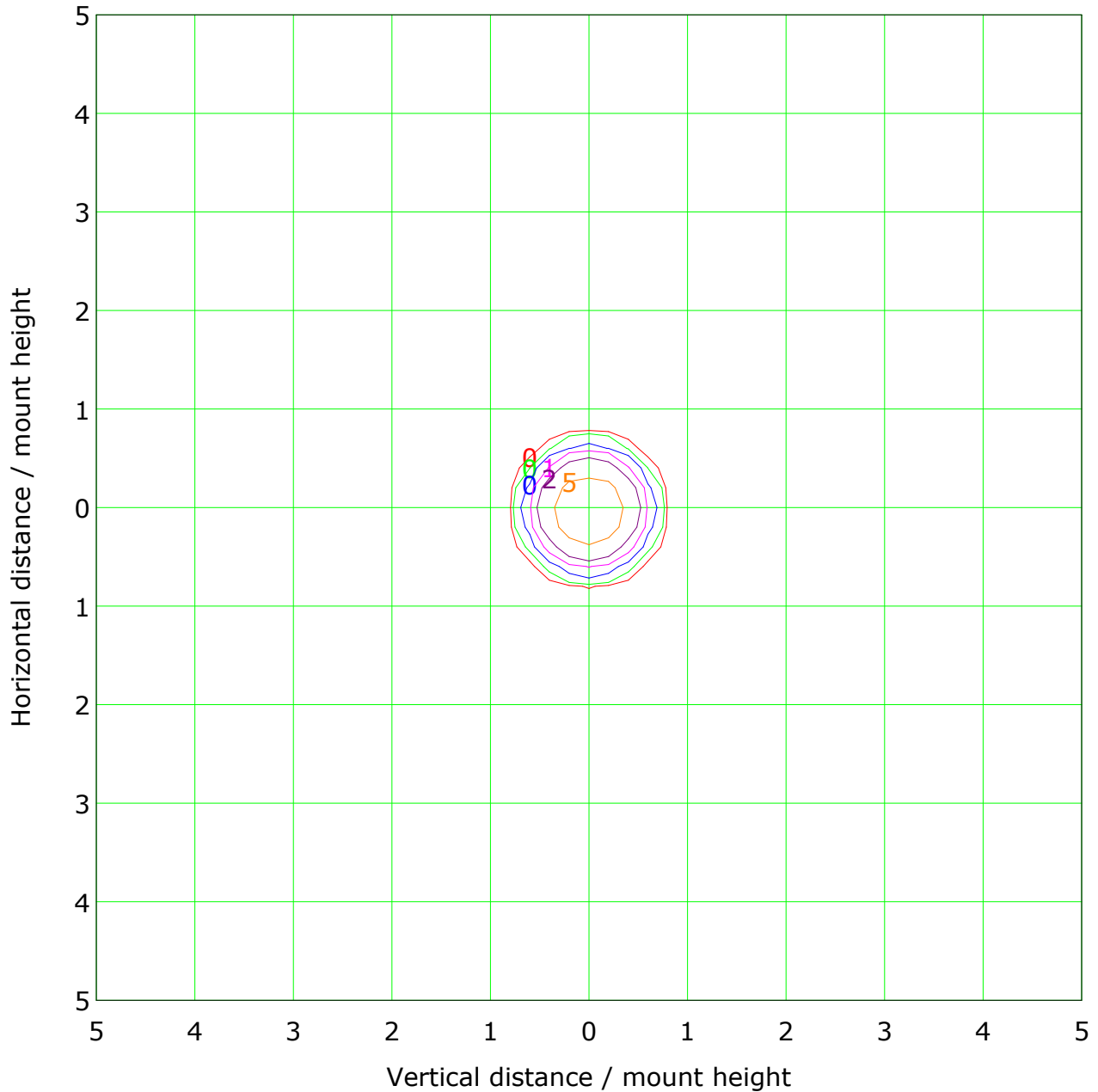
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 9 lx

— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	0 lx	— ( 10%):	1 lx
— ( 20%):	2 lx	— ( 50%):	5 lx
— (100%):	9 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

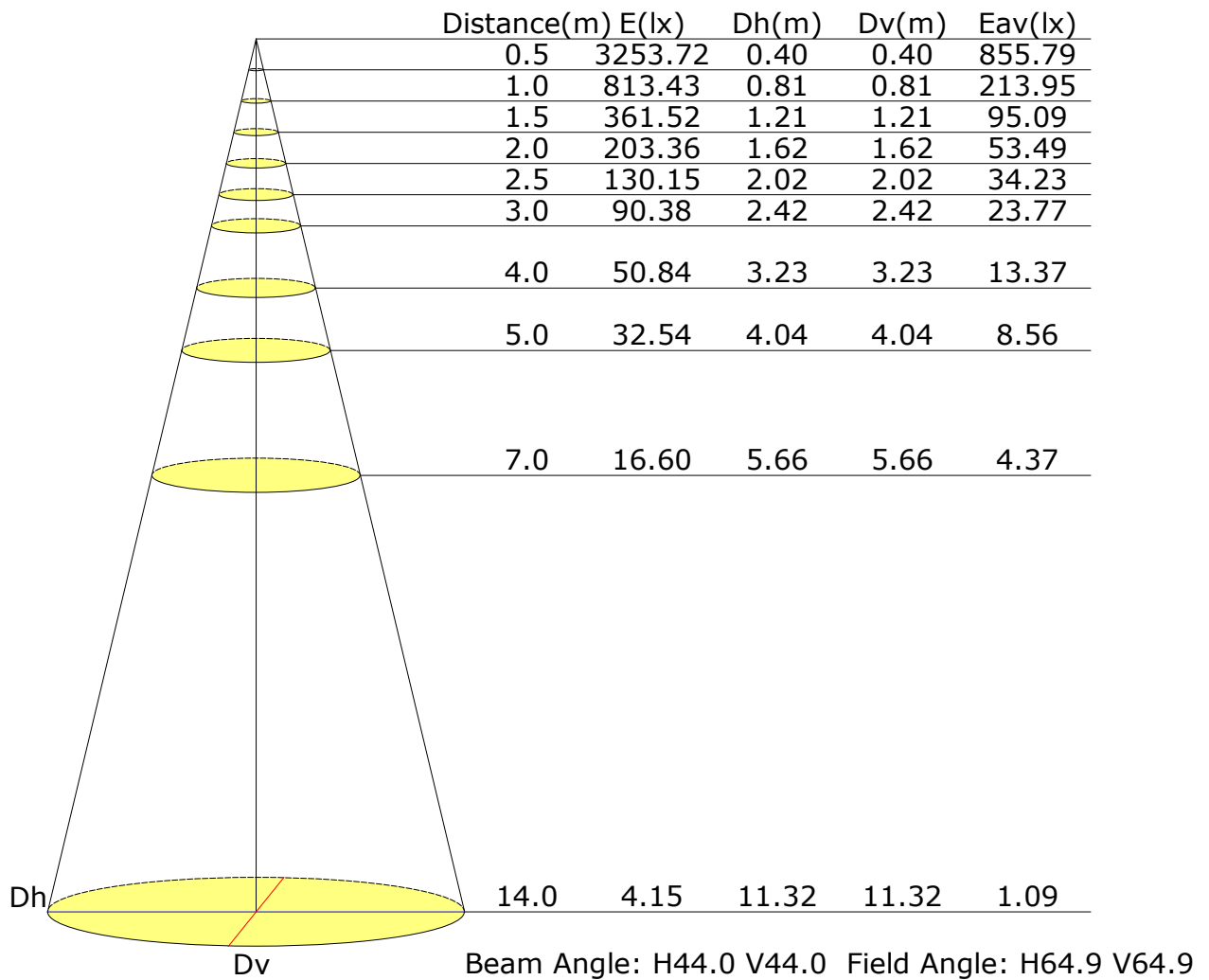
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

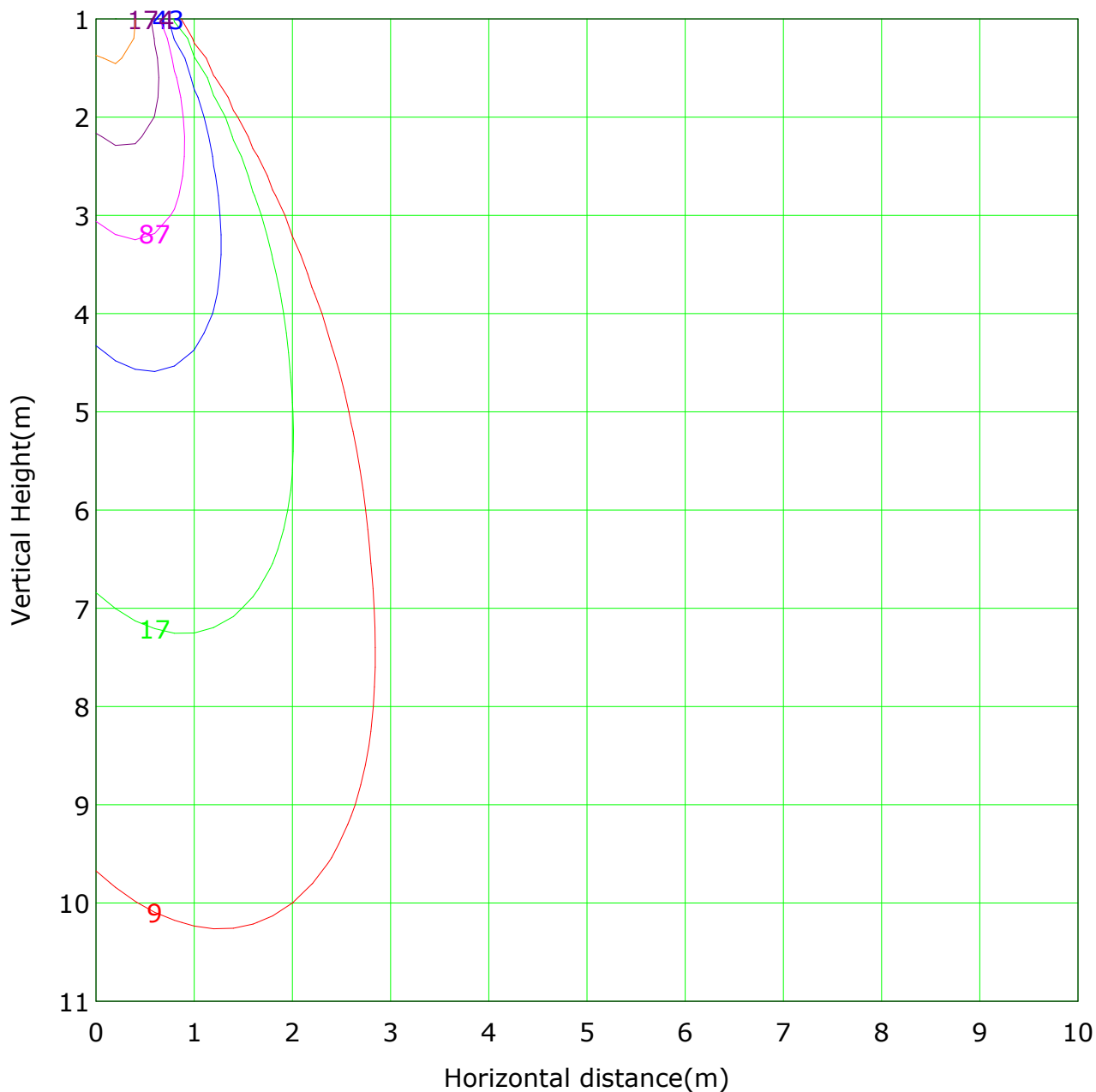
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

## Vertical IsoLux Plot



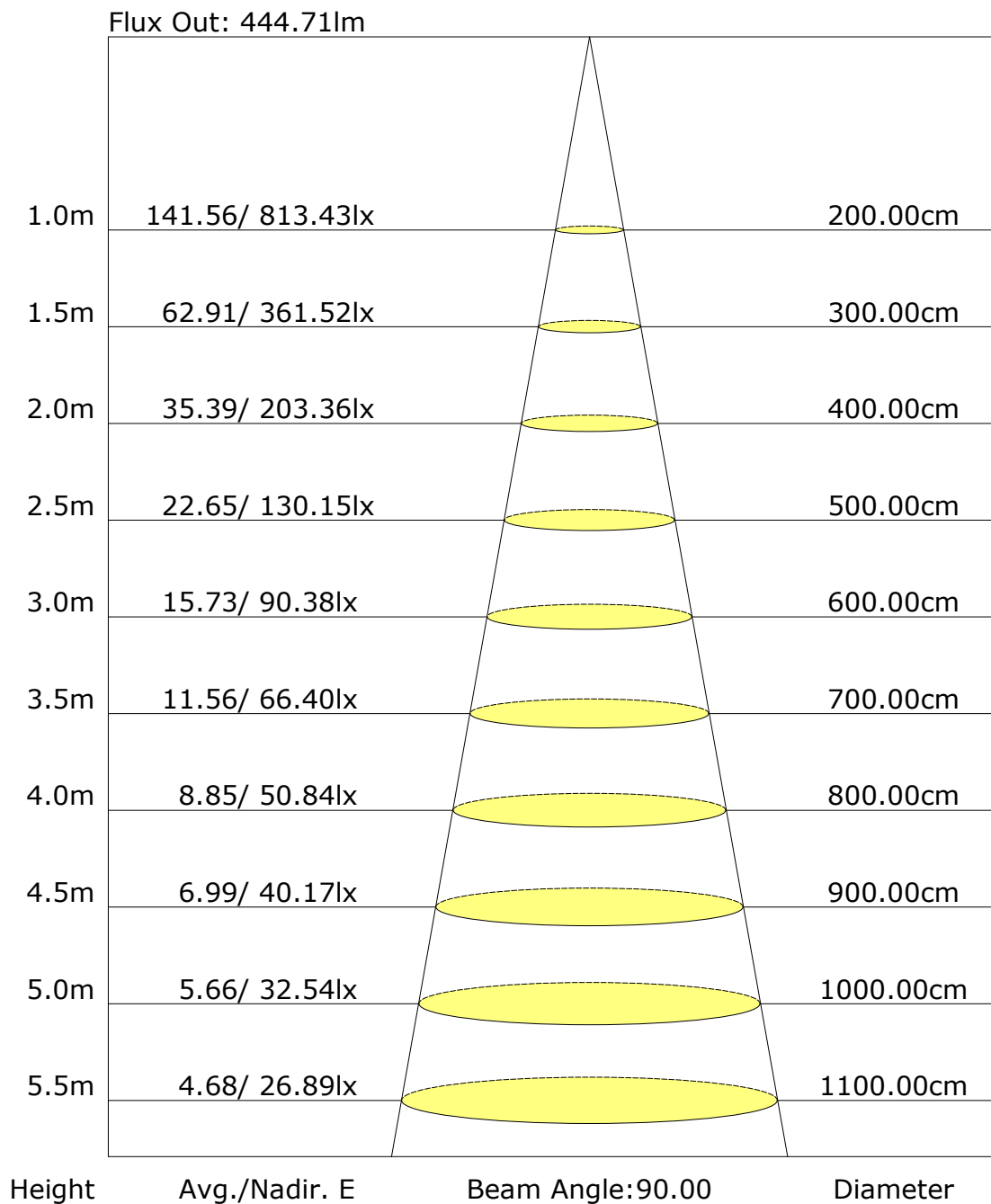
Lowest(m): 1m    Highest(m): 11    Max Lux: 869

( 1%): 9 lx	( 2%): 17 lx
( 5%): 43 lx	( 10%): 87 lx
( 20%): 174 lx	( 50%): 435 lx
(100%): 869 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: 3.000 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: 3.000 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	813.1	0.8	0.8	0.17	0.17
1.0-2.0	811.7	2.3	3.1	0.52	0.70
2.0-3.0	809.1	3.9	7.0	0.87	1.56
3.0-4.0	805.8	5.4	12.4	1.21	2.77
4.0-5.0	802.0	6.9	19.3	1.55	4.32
5.0-6.0	798.4	8.4	27.7	1.88	6.20
6.0-7.0	794.6	9.9	37.5	2.21	8.41
7.0-8.0	790.3	11.3	48.8	2.54	10.95
8.0-9.0	785.4	12.7	61.6	2.85	13.80
9.0-10.0	779.2	14.1	75.7	3.16	16.96
10.0-11.0	770.8	15.4	91.1	3.45	20.41
11.0-12.0	760.2	16.6	107.7	3.72	24.14
12.0-13.0	746.6	17.7	125.4	3.97	28.11
13.0-14.0	729.3	18.7	144.1	4.18	32.29
14.0-15.0	707.8	19.4	163.5	4.36	36.65
15.0-16.0	681.9	20.0	183.5	4.48	41.13
16.0-17.0	651.9	20.3	203.8	4.55	45.68
17.0-18.0	618.7	20.4	224.2	4.57	50.25
18.0-19.0	582.5	20.3	244.5	4.54	54.79
19.0-20.0	543.7	19.9	264.4	4.46	59.26
20.0-21.0	503.6	19.3	283.7	4.33	63.59
21.0-22.0	462.6	18.6	302.3	4.17	67.76
22.0-23.0	421.0	17.7	320.0	3.96	71.72
23.0-24.0	379.3	16.6	336.6	3.72	75.44
24.0-25.0	338.3	15.4	352.0	3.45	78.88
25.0-26.0	298.6	14.1	366.1	3.16	82.04
26.0-27.0	260.9	12.8	378.8	2.86	84.90
27.0-28.0	225.8	11.4	390.3	2.56	87.47
28.0-29.0	193.1	10.1	400.4	2.26	89.73
29.0-30.0	162.3	8.8	409.1	1.96	91.70
30.0-31.0	134.3	7.5	416.6	1.68	93.37
31.0-32.0	109.4	6.3	422.9	1.41	94.78
32.0-33.0	87.8	5.2	428.0	1.16	95.94
33.0-34.0	69.6	4.2	432.3	0.94	96.88
34.0-35.0	54.2	3.4	435.6	0.75	97.64
35.0-36.0	41.2	2.6	438.2	0.59	98.22

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: 3.000 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	30.7	2.0	440.3	0.45	98.67
37.0-38.0	22.2	1.5	441.7	0.33	99.01
38.0-39.0	15.6	1.1	442.8	0.24	99.24
39.0-40.0	10.7	0.7	443.5	0.17	99.41
40.0-41.0	7.0	0.5	444.0	0.11	99.52
41.0-42.0	4.3	0.3	444.3	0.07	99.59
42.0-43.0	2.5	0.2	444.5	0.04	99.63
43.0-44.0	1.5	0.1	444.6	0.03	99.66
44.0-45.0	0.9	0.1	444.7	0.01	99.67
45.0-46.0	0.5	0.0	444.8	0.01	99.68
46.0-47.0	0.3	0.0	444.8	0.01	99.69
47.0-48.0	0.2	0.0	444.8	0.00	99.69
48.0-49.0	0.2	0.0	444.8	0.00	99.69
49.0-50.0	0.1	0.0	444.8	0.00	99.70
50.0-51.0	0.1	0.0	444.8	0.00	99.70
51.0-52.0	0.1	0.0	444.8	0.00	99.70
52.0-53.0	0.1	0.0	444.8	0.00	99.70
53.0-54.0	0.0	0.0	444.8	0.00	99.70
54.0-55.0	0.0	0.0	444.9	0.00	99.70
55.0-56.0	0.0	0.0	444.9	0.00	99.71
56.0-57.0	0.0	0.0	444.9	0.00	99.71
57.0-58.0	0.1	0.0	444.9	0.00	99.71
58.0-59.0	0.0	0.0	444.9	0.00	99.71
59.0-60.0	0.1	0.0	444.9	0.00	99.71
60.0-61.0	0.1	0.0	444.9	0.00	99.71
61.0-62.0	0.1	0.0	444.9	0.00	99.71
62.0-63.0	0.1	0.0	444.9	0.00	99.72
63.0-64.0	0.1	0.0	444.9	0.00	99.72
64.0-65.0	0.1	0.0	444.9	0.00	99.72
65.0-66.0	0.1	0.0	444.9	0.00	99.72
66.0-67.0	0.1	0.0	444.9	0.00	99.73
67.0-68.0	0.2	0.0	445.0	0.00	99.73
68.0-69.0	0.2	0.0	445.0	0.01	99.73
69.0-70.0	0.3	0.0	445.0	0.01	99.74
70.0-71.0	0.3	0.0	445.0	0.01	99.75
71.0-72.0	0.3	0.0	445.1	0.01	99.76

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: 3.000 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.000 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	813.4	813.4								
G1.0	838.8	786.9								
G2.0	861.9	759.3								
G3.0	882.3	733.0								
G4.0	899.2	708.4								
G5.0	913.4	687.1								
G6.0	924.1	669.1								
G7.0	930.4	654.9								
G8.0	932.3	643.6								
G9.0	929.3	636.3								
G10.0	921.7	629.5								
G11.0	909.3	622.7								
G12.0	892.8	615.8								
G13.0	870.8	607.0								
G14.0	845.2	594.0								
G15.0	814.0	577.9								
G16.0	778.7	556.9								
G17.0	739.0	532.9								
G18.0	695.5	507.4								
G19.0	648.3	478.8								
G20.0	598.5	449.4								
G21.0	547.7	419.0								
G22.0	497.4	386.6								
G23.0	448.2	352.0								
G24.0	403.0	314.1								
G25.0	360.9	275.2								
G26.0	321.3	237.1								
G27.0	284.3	201.1								
G28.0	248.5	169.6								
G29.0	213.1	141.2								
G30.0	179.3	115.7								
G31.0	149.1	93.1								
G32.0	121.8	73.7								
G33.0	98.4	57.3								
G34.0	78.9	43.8								
G35.0	61.6	32.4								
G36.0	47.1	23.7								

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: 3.000 m  
Humidity:  
Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	35.8	16.1								
G38.0	26.4	10.4								
G39.0	18.6	6.9								
G40.0	13.0	4.2								
G41.0	8.5	2.2								
G42.0	5.7	0.8								
G43.0	3.6	0.2								
G44.0	2.2	0.0								
G45.0	1.2	0.0								
G46.0	0.8	0.0								
G47.0	0.4	0.0								
G48.0	0.4	0.0								
G49.0	0.3	0.0								
G50.0	0.2	0.0								
G51.0	0.2	0.0								
G52.0	0.3	0.0								
G53.0	0.2	0.0								
G54.0	0.0	0.0								
G55.0	0.2	0.0								
G56.0	0.0	0.0								
G57.0	0.2	0.0								
G58.0	0.2	0.0								
G59.0	0.0	0.0								
G60.0	0.3	0.0								
G61.0	0.2	0.0								
G62.0	0.2	0.0								
G63.0	0.3	0.0								
G64.0	0.2	0.0								
G65.0	0.2	0.0								
G66.0	0.2	0.0								
G67.0	0.2	0.3								
G68.0	0.3	0.0								
G69.0	0.4	0.2								
G70.0	0.4	0.2								
G71.0	0.4	0.2								
G72.0	0.4	0.2								
G73.0	0.4	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: 3.000 m  
Humidity:  
Inspector:

Unit: cd

[illegible]

Inspector: