

Report No.: 1

Test Time: 22.09.2018 12:05

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 750 84LED 0,39A 26W Refond 32-34,5Lm 4000K microprism

Luminous Length (mm): 750

Luminous Width (mm): 115

Luminous Height (mm): 64

Voltage: 221.6

Current: 0.124

Power: 26.93 W

Power Factor: 0.976

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3094.0 lm

Measurement Flux: 3094 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 158.5, 159.2, 151.7, 151.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.4, 82.6, 78.1, 78.2

Luminaire Efficacy Rating (LER): 114.94

Central Intensity: 1544.98 cd

Max. Intensity: 1551.62 cd

Pos of Max. Intensity: H67.5 V0

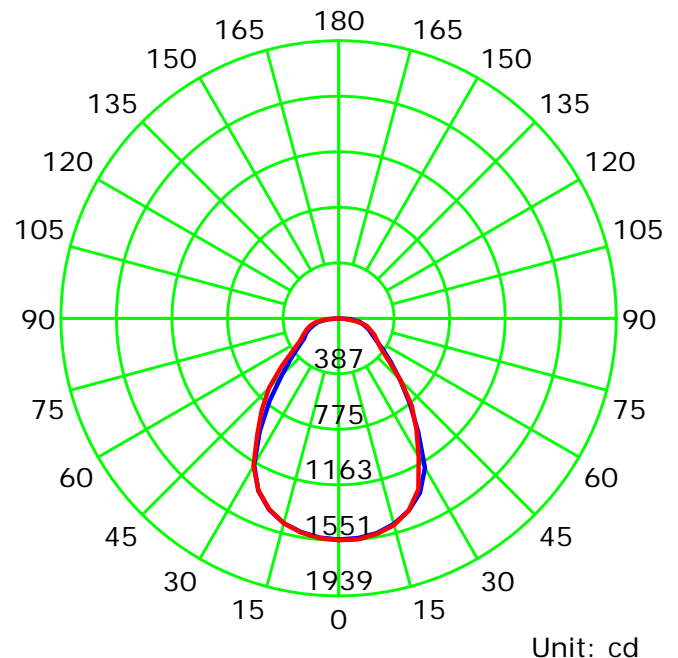
S/MH(C0/C180): 1.16

S/MH(C90/C270): 1.13

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:5.0

Test Lab:

Test Device:

Test Type: TYPE C

Distance:

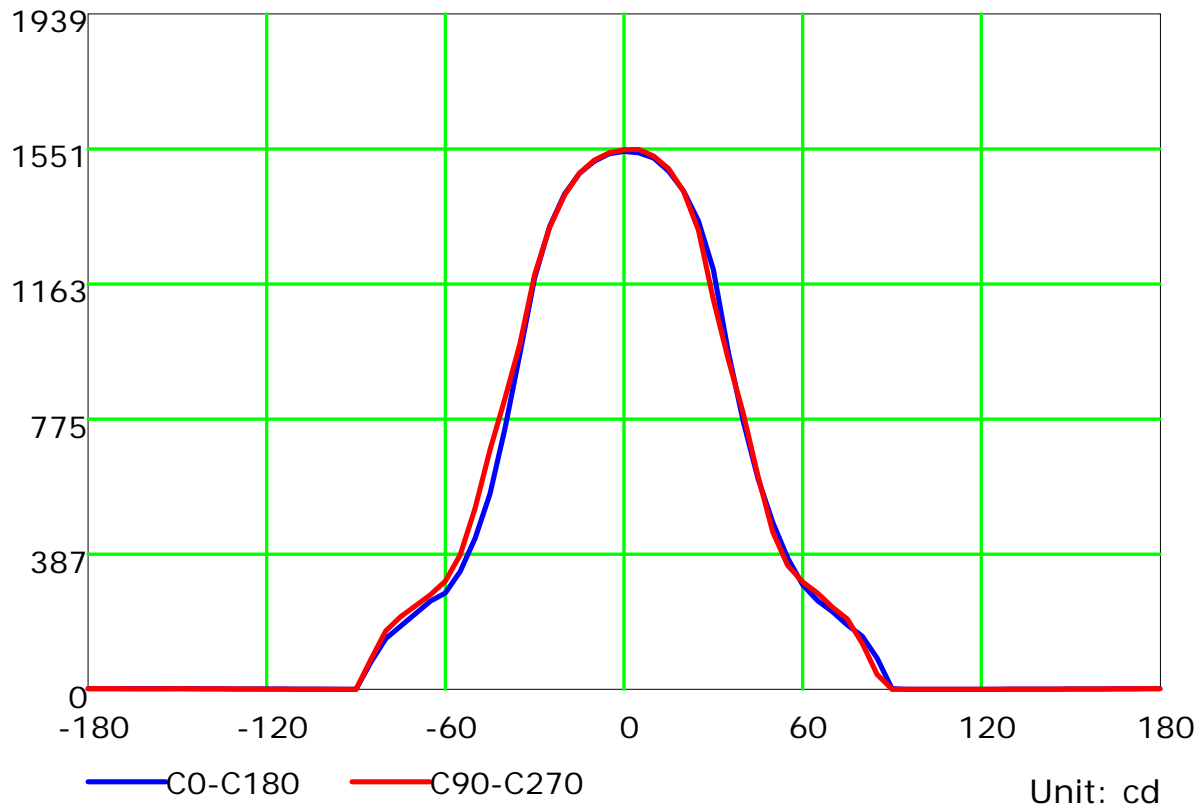
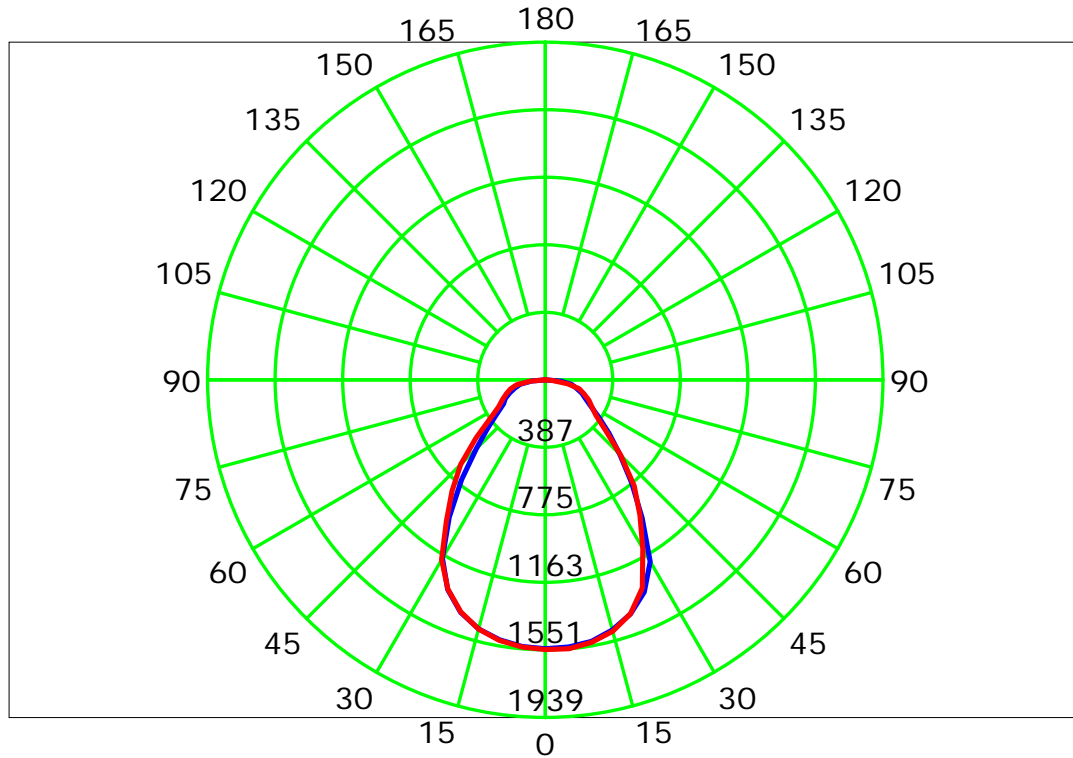
Temperature:

Humidity:

Operator:

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

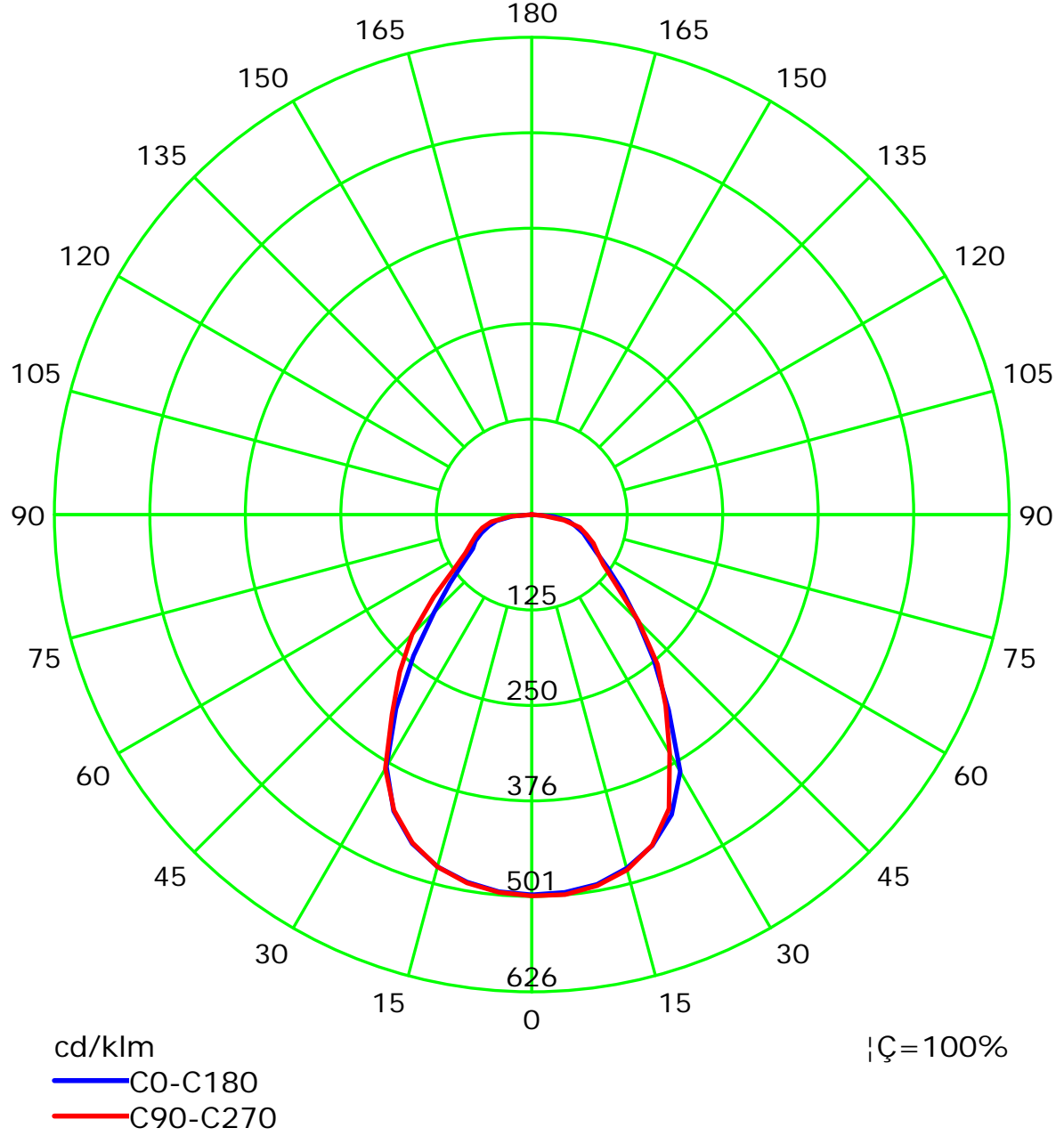
Test Device:

Distance:

Humidity:

Inspector:

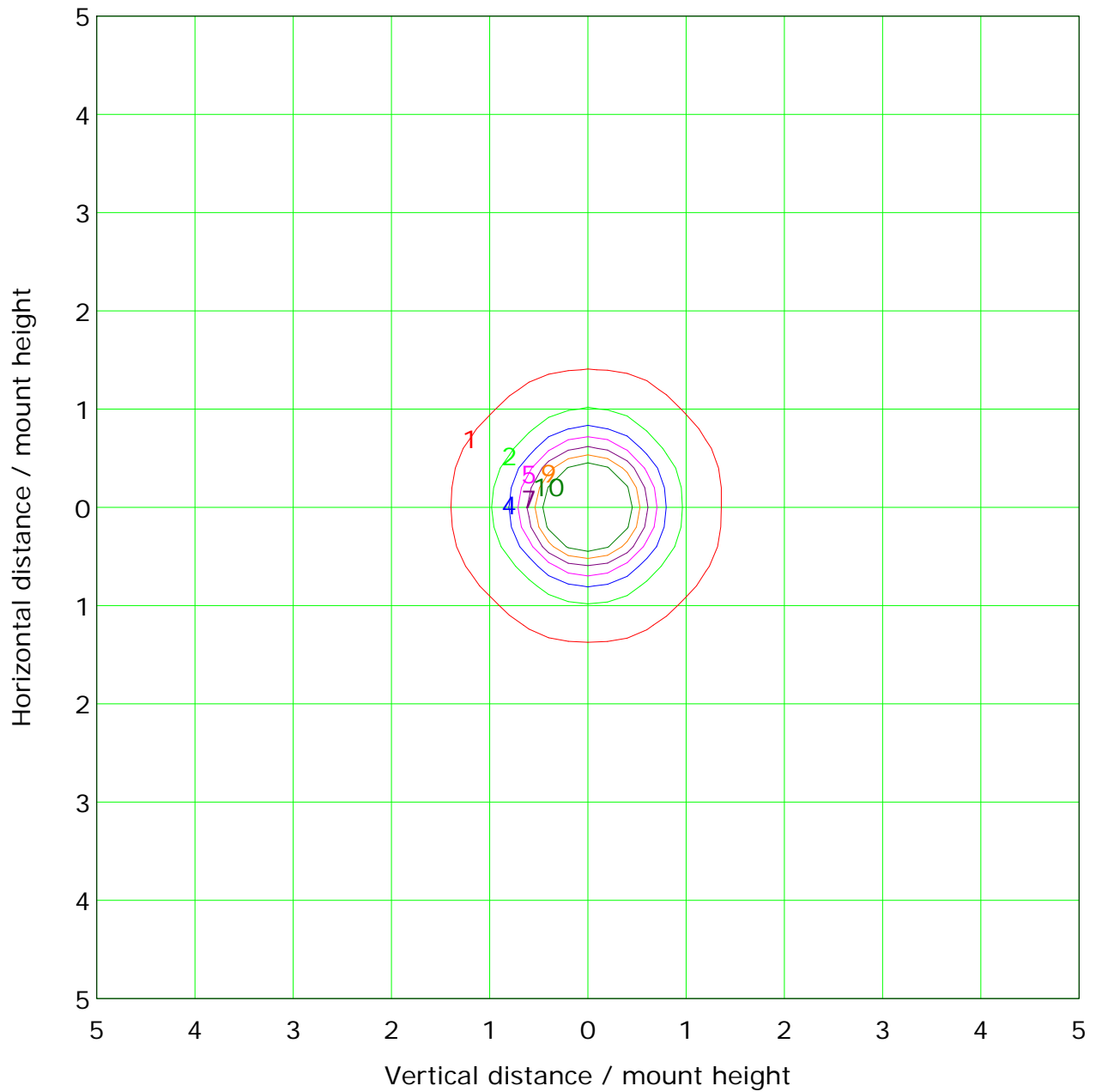
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:5.0  
 Test Device:  
 Distance:  
 Humidity:  
 Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 15.5 lx

( 5%): 0.8 lx	( 15%): 2.3 lx
( 25%): 3.9 lx	( 35%): 5.4 lx
( 45%): 7.0 lx	( 55%): 8.5 lx
( 65%): 10.1 lx	

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device:

Distance:

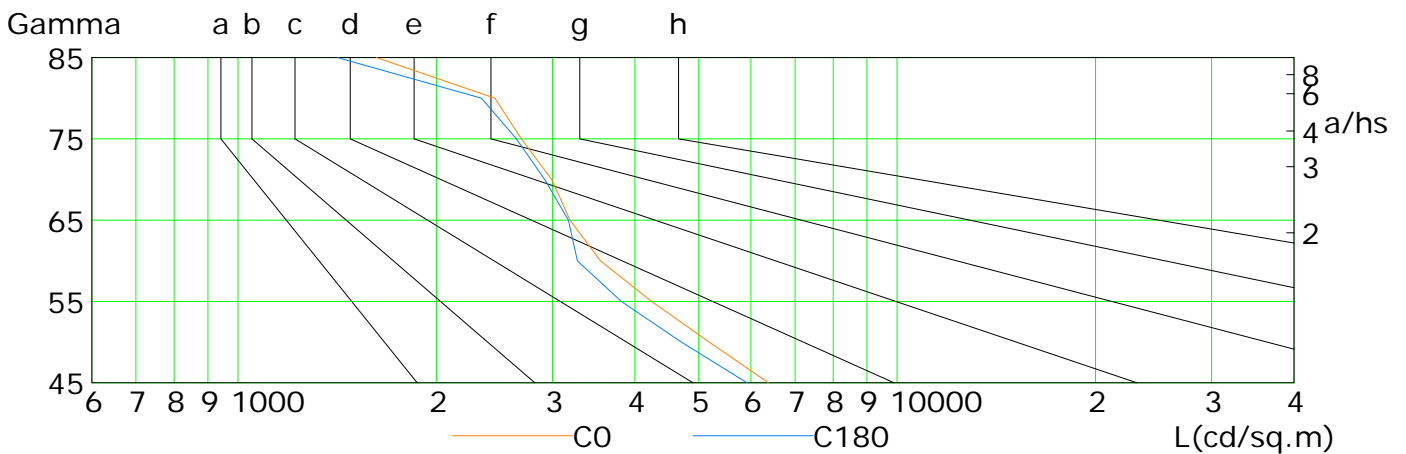
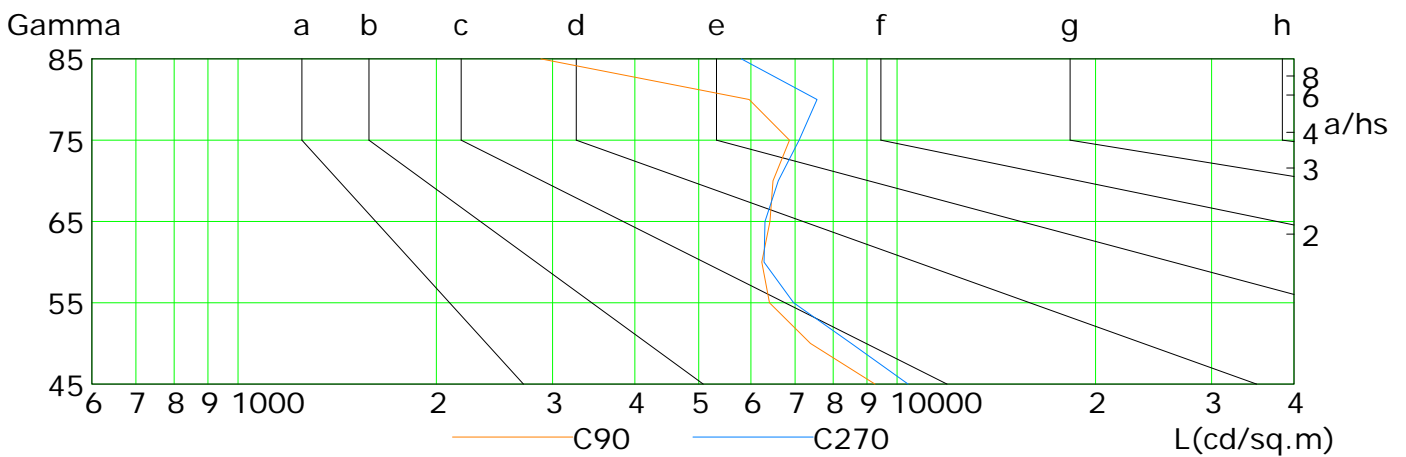
Humidity:

Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6380	5189	4242	3548	3190	2992	2690	2454	1622
C90	9253	7388	6402	6233	6414	6481	6867	5963	2881
C180	5920	4707	3817	3272	3171	2920	2644	2341	1416
C270	10392	8519	6965	6281	6304	6601	7101	7560	5800

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

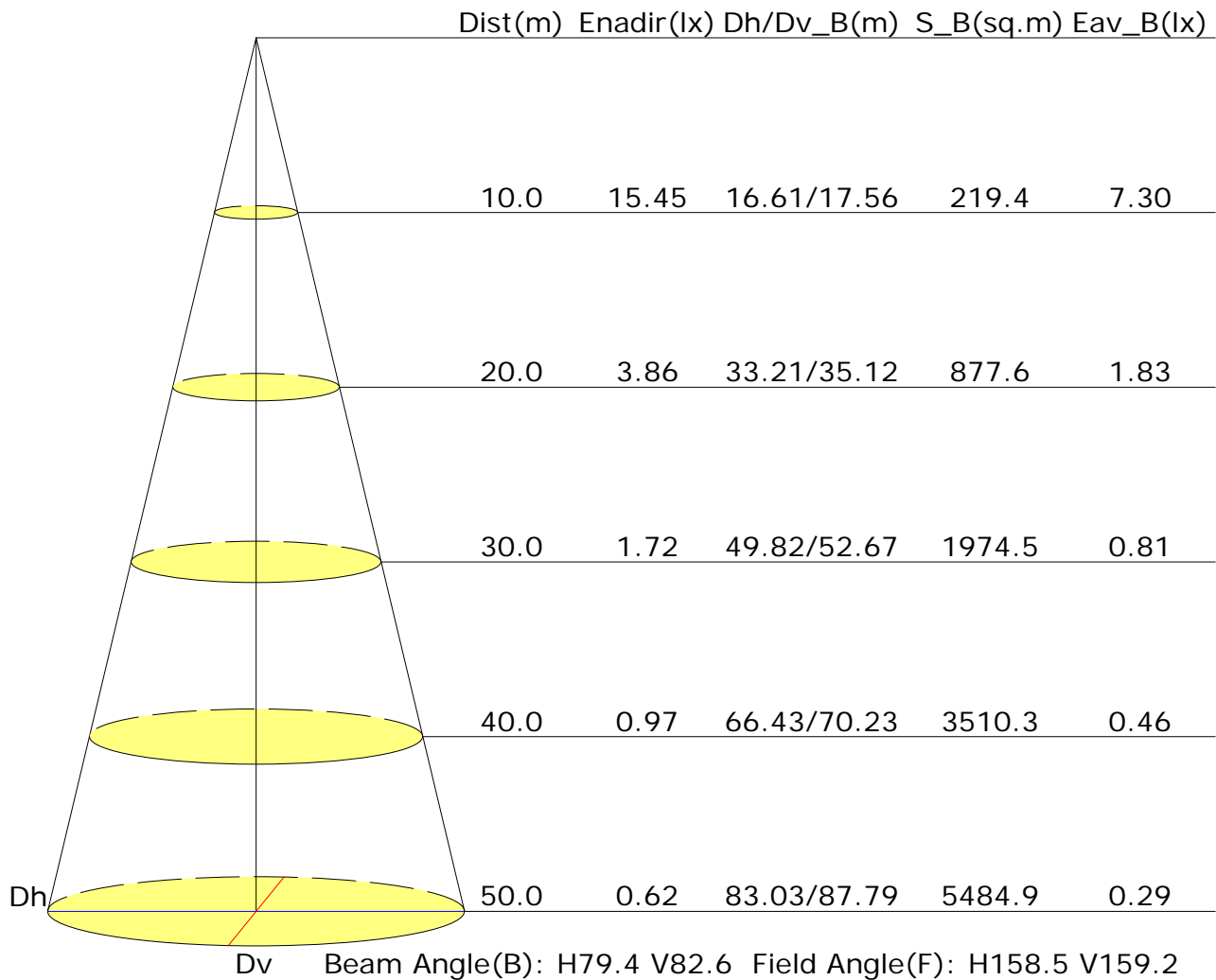
Test Device:

Distance:

Humidity:

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

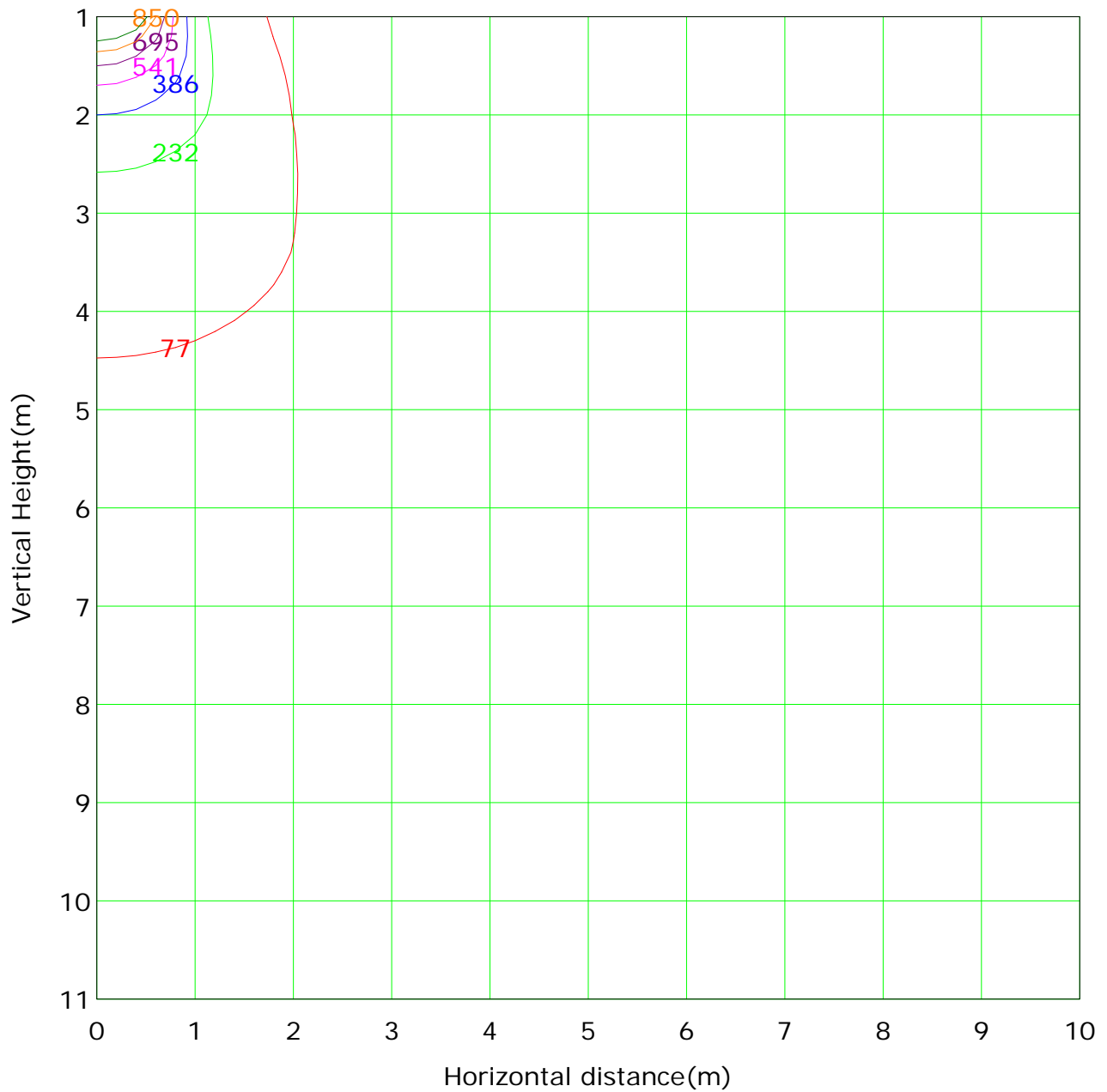
Test Device:

Distance:

Humidity:

Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 1545.0 lx

( 5%): 77.2 lx	( 15%): 231.7 lx
( 25%): 386.2 lx	( 35%): 540.7 lx
( 45%): 695.2 lx	( 55%): 849.7 lx
( 65%): 1004.2 lx	

C Plane (°): 0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°): 0.0-180.0: 5.0

Test Device:

Distance:

Humidity:

Inspector: