

Report No.: 1

Test Time: 21.09.2018 14:31

## Luminaire Property

Luminaire Manufacturer: FAROS  
 Luminaire Description: FL 750  
 Luminous Width (mm): 115  
 Voltage: 221.3  
 Power: 27.93 W

Luminous Length (mm): 750  
 Luminous Height (mm): 64  
 Current: 0.126  
 Power Factor: 0.978

## Photometric Results

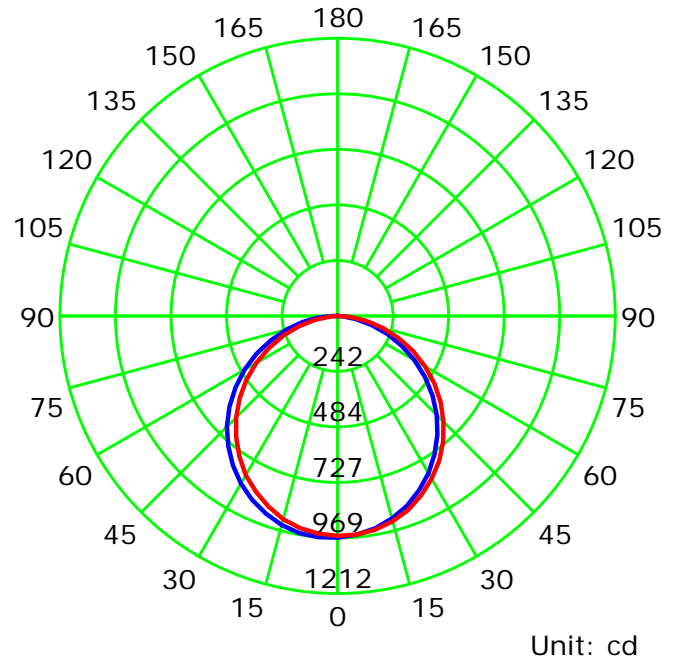
CIE Class: Direct  
 Measurement Flux: 2784.2 lm  
 Downward Ratio: 100%  
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.2, 162.7, 163.0, 163.1  
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.8, 112.8, 112.8, 112.8  
 Luminaire Efficacy Rating (LER): 99.73  
 Max. Intensity: 969.97 cd  
 S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 2784.2 lm  
 Efficiency: 100%  
 Upward Ratio: 0%  
 Central Intensity: 968.06 cd  
 Pos of Max. Intensity: H180 V5  
 S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve

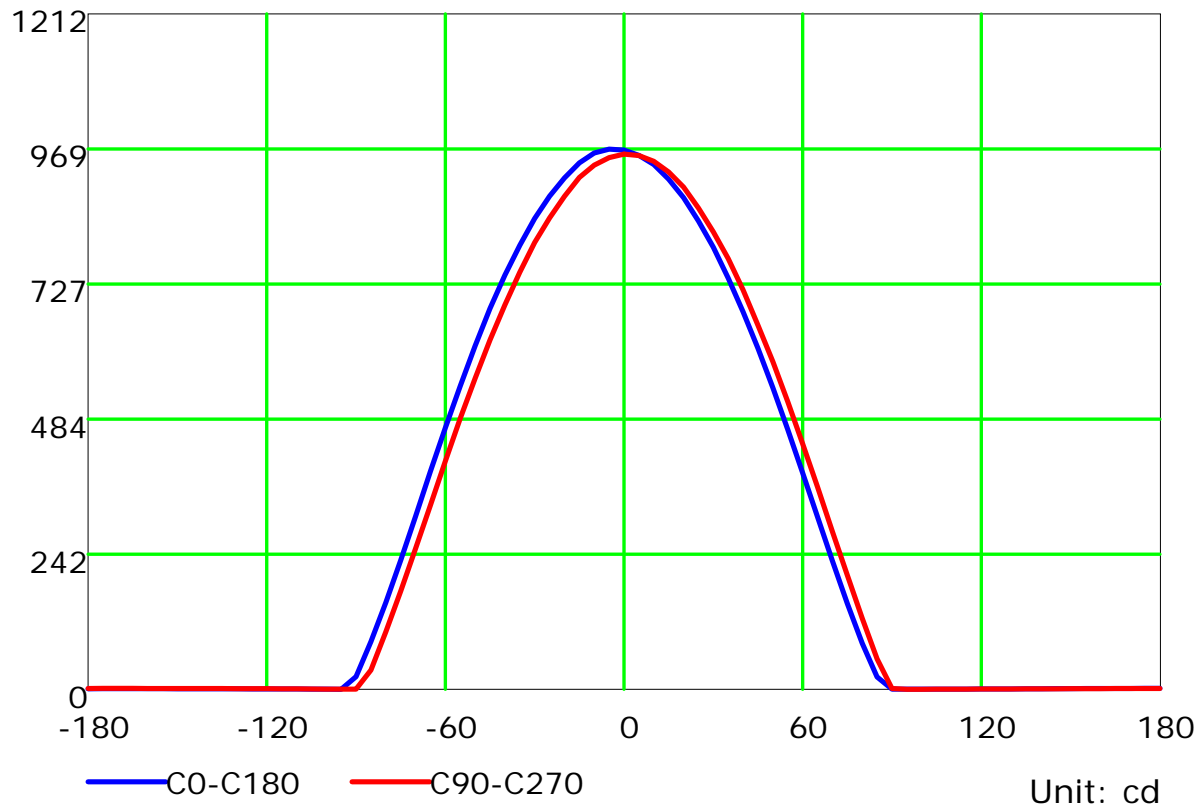
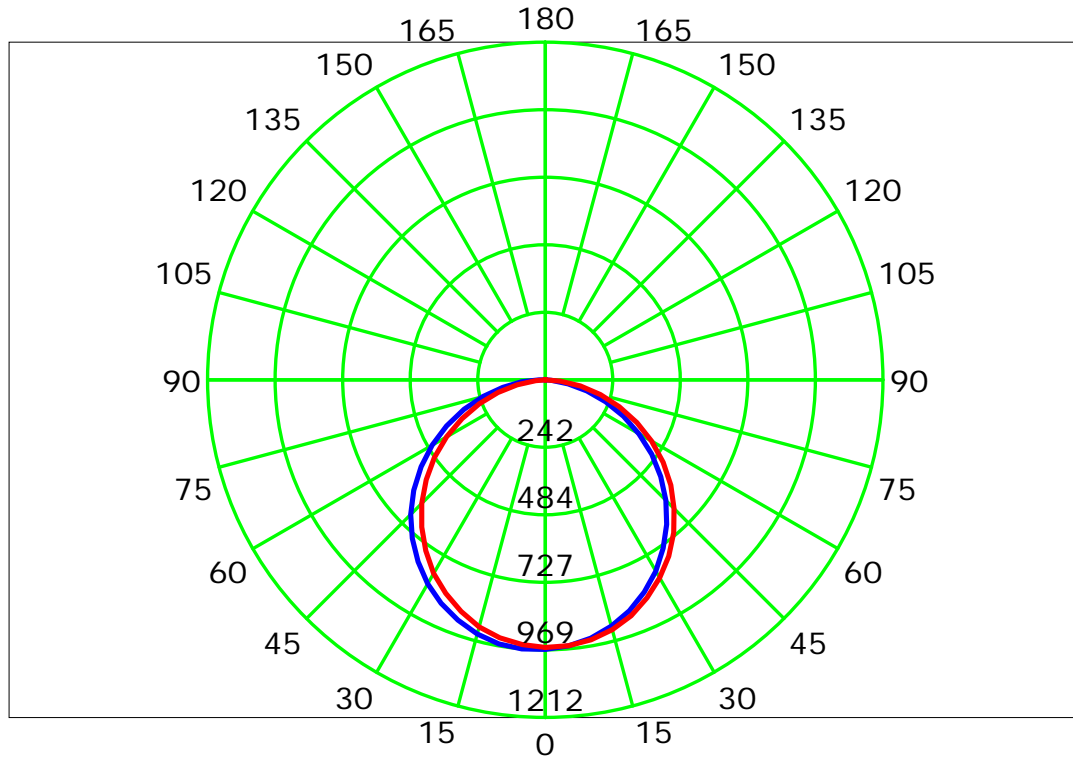


— C0-C180 — C90-C270

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



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

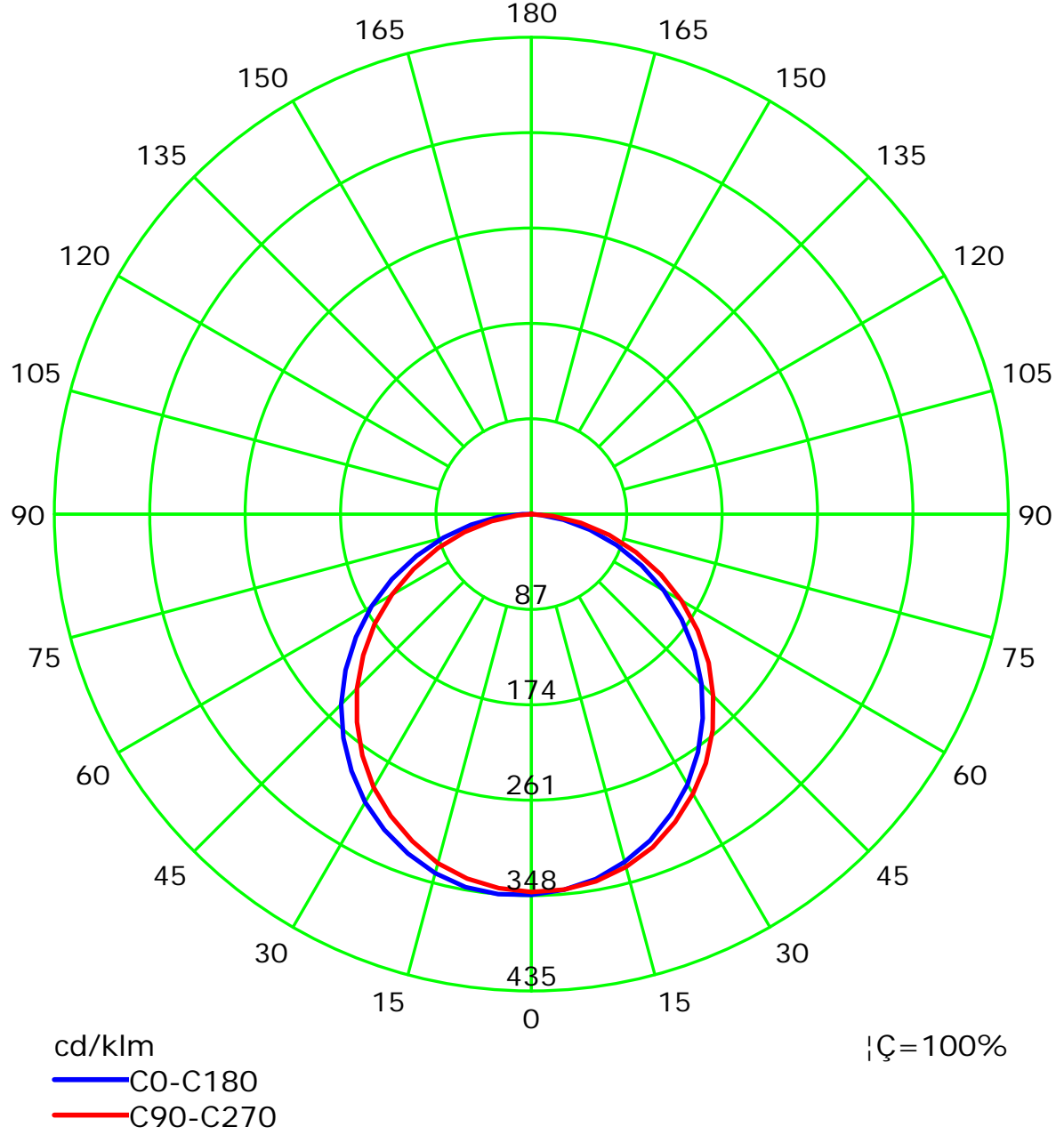
Test Device:

Distance:

Humidity:

Inspector:

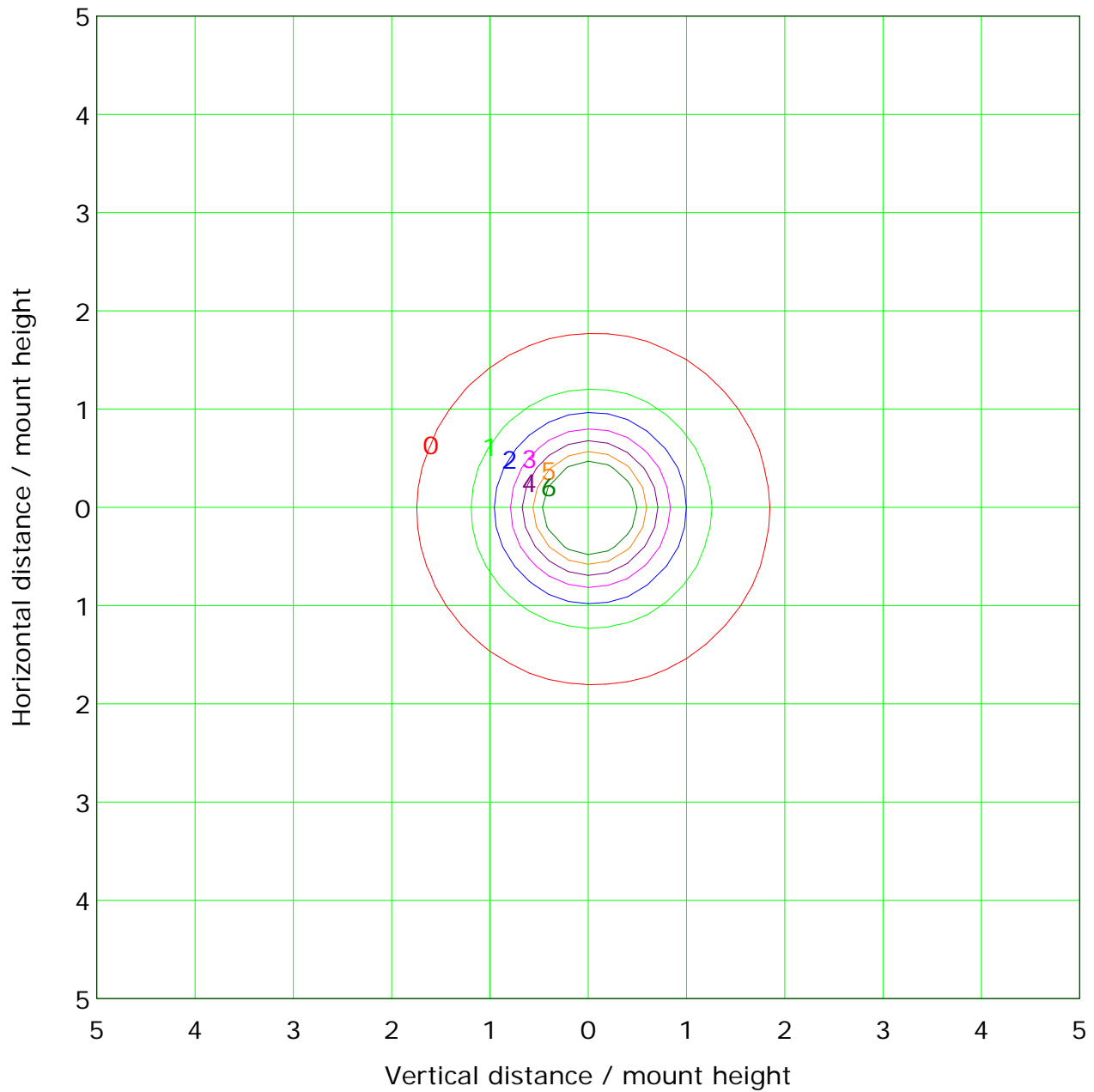
## Luminous Intensity Distribution Curve(cd/klm)



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%): 9.7 lx	
— ( 5%):	0.5 lx	— ( 15%):	1.5 lx
— ( 25%):	2.4 lx	— ( 35%):	3.4 lx
— ( 45%):	4.4 lx	— ( 55%):	5.3 lx
— ( 65%):	6.3 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:

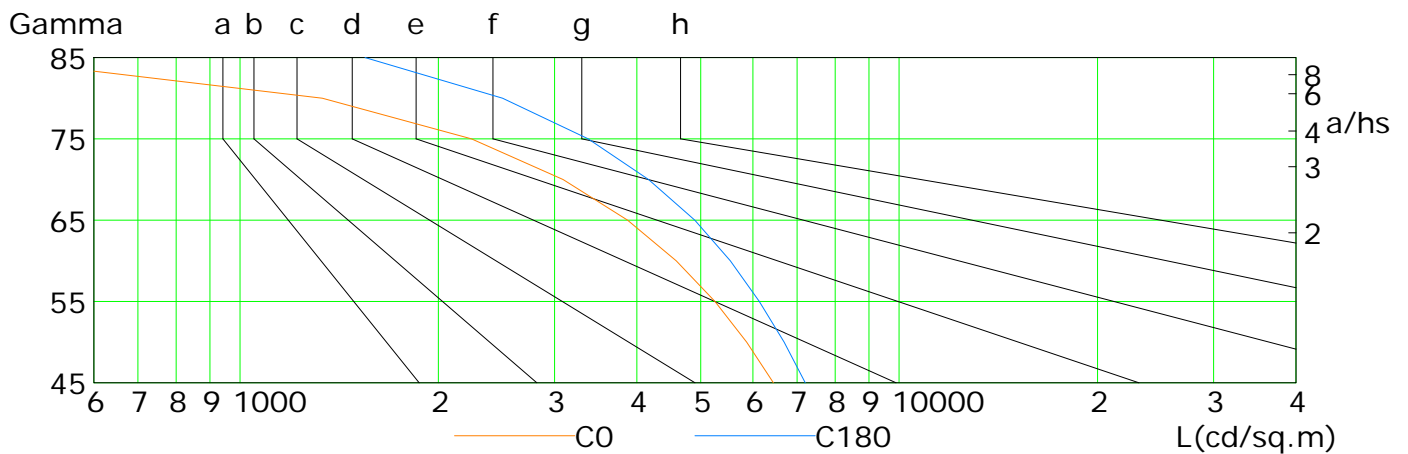
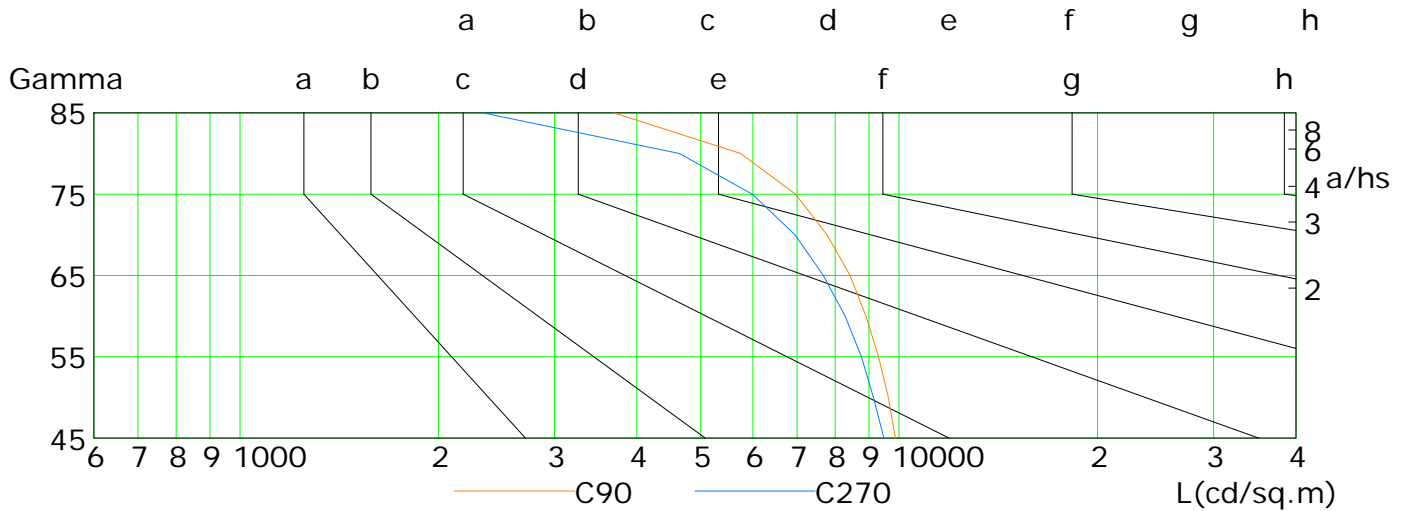
Distance:

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6447	5872	5255	4589	3872	3090	2245	1333	403
C90	9872	9632	9306	8905	8424	7773	6963	5750	3690
C180	7204	6689	6135	5546	4899	4166	3375	2502	1548
C270	9478	9142	8768	8281	7675	6950	5987	4642	2336

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

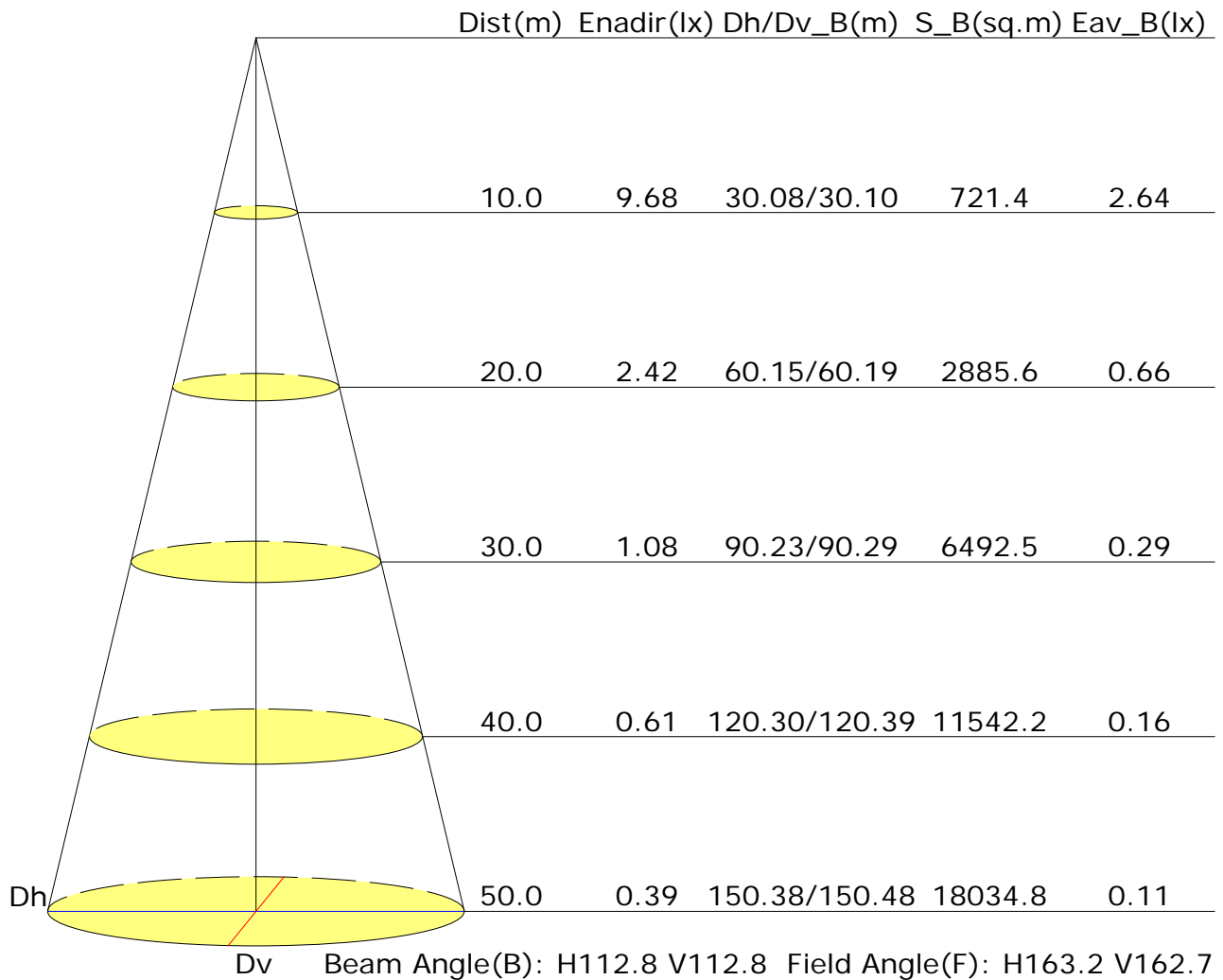
Test Device:

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

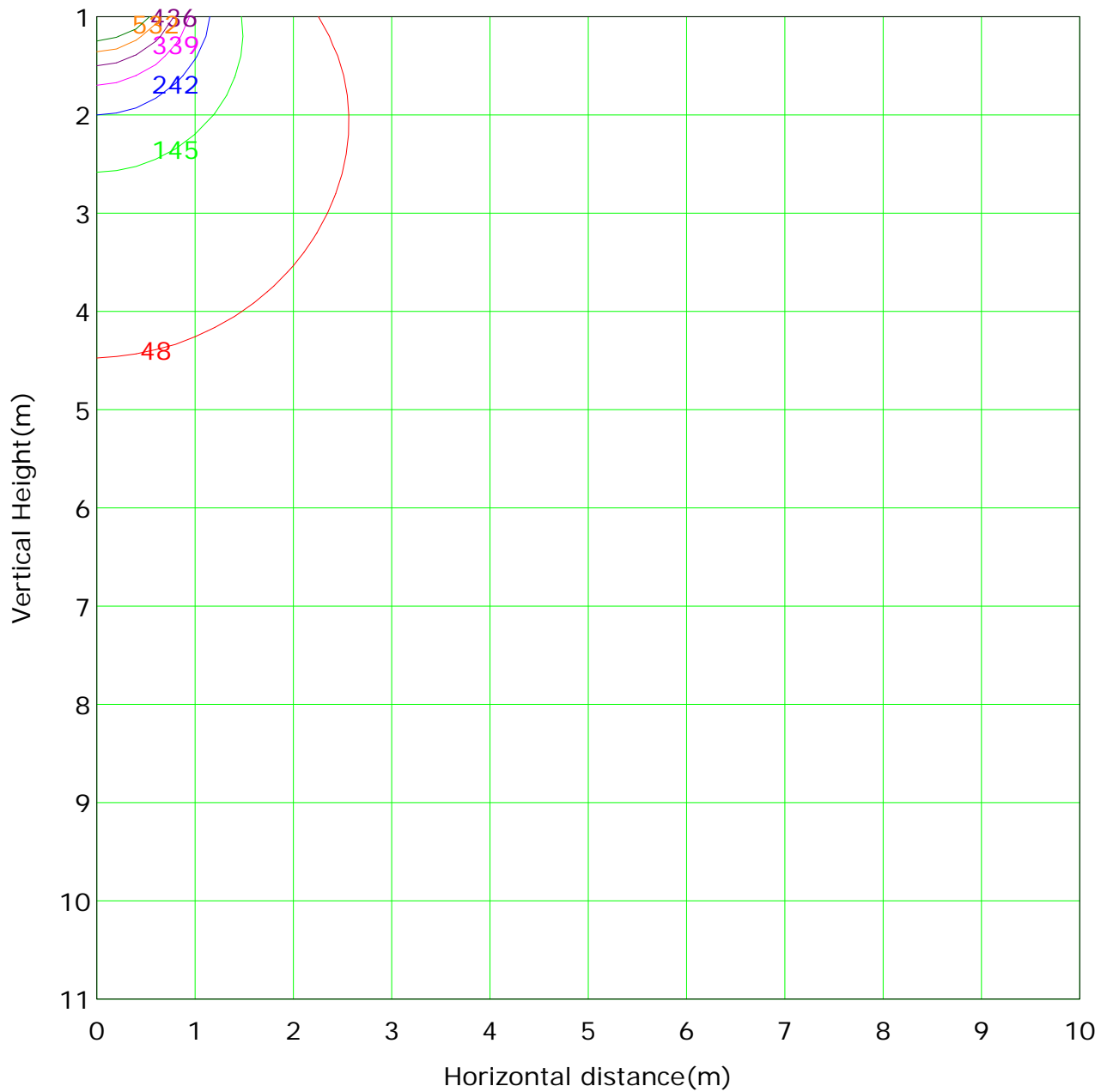
Test Device:

Distance:

Humidity:

Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 968.1 lx

— ( 5%): 48.4 lx	— ( 15%): 145.2 lx
— ( 25%): 242.0 lx	— ( 35%): 338.8 lx
— ( 45%): 435.6 lx	— ( 55%): 532.4 lx
— ( 65%): 629.2 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: