

Report No.: 1

Test Time: 22.09.2018 14:00

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 750 84LED 0,39A 26W Refond 32-34,5Lm 5000K opal

Lamp Description: LED

Luminous Length (mm): 750

Luminous Width (mm): 115

Luminous Height (mm): 64

Voltage: 222

Current: 0.123

Power: 26.54 W

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2682.8 lm

Measurement Flux: 2682.8 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.1, 162.5, 162.7, 162.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.5, 112.7, 112.6, 112.6

Luminaire Efficacy Rating (LER): 101.14

Central Intensity: 932.8 cd

Max. Intensity: 932.91 cd

Pos of Max. Intensity: H90 V0

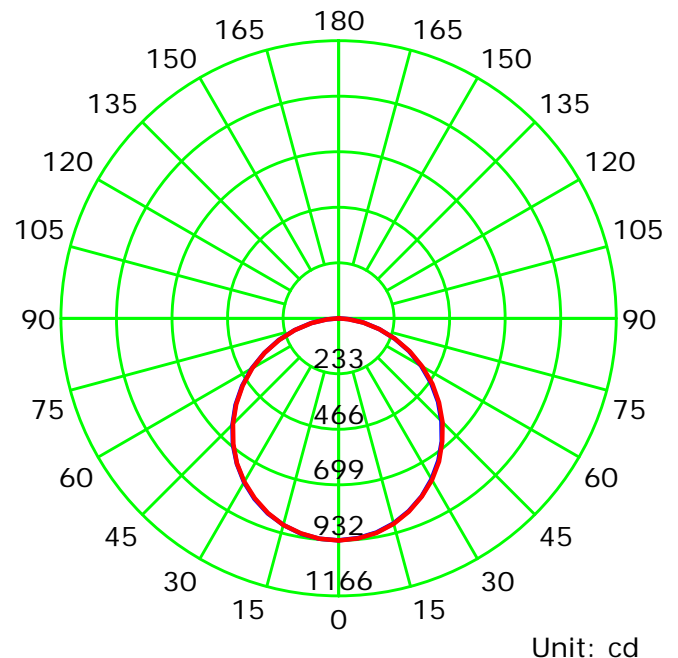
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.26

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:

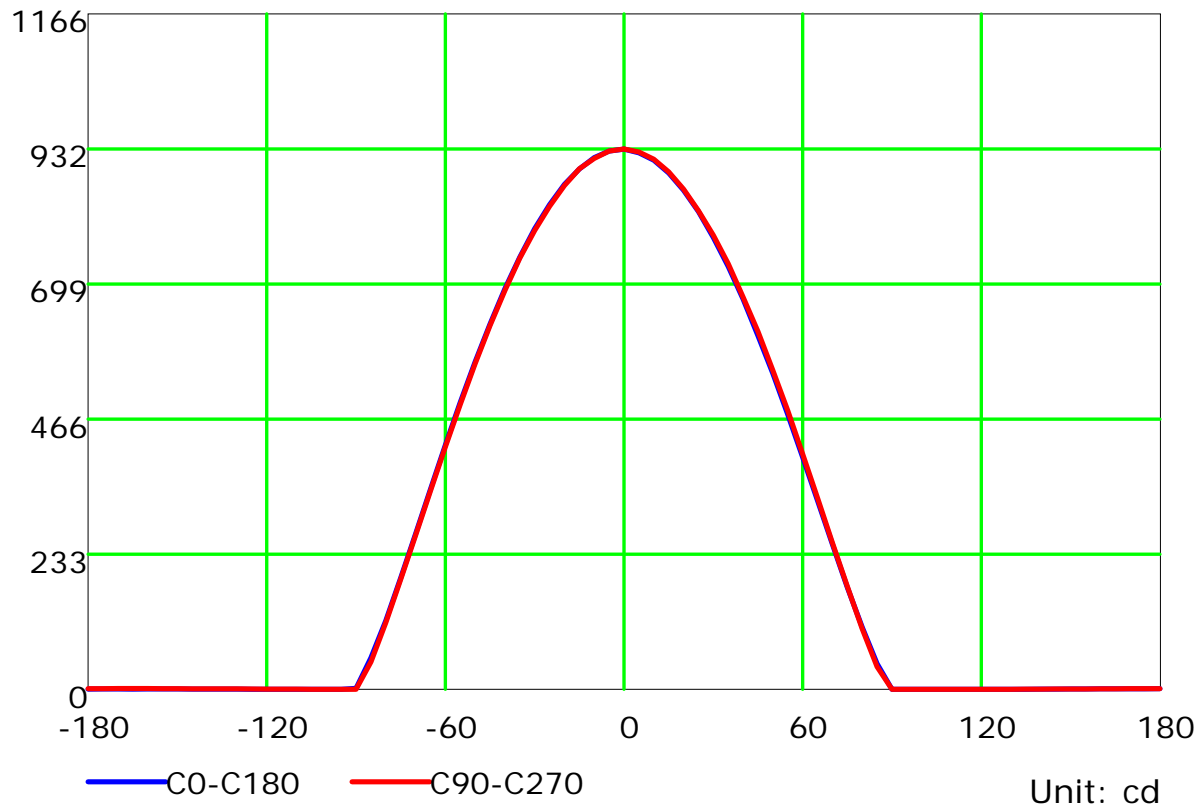
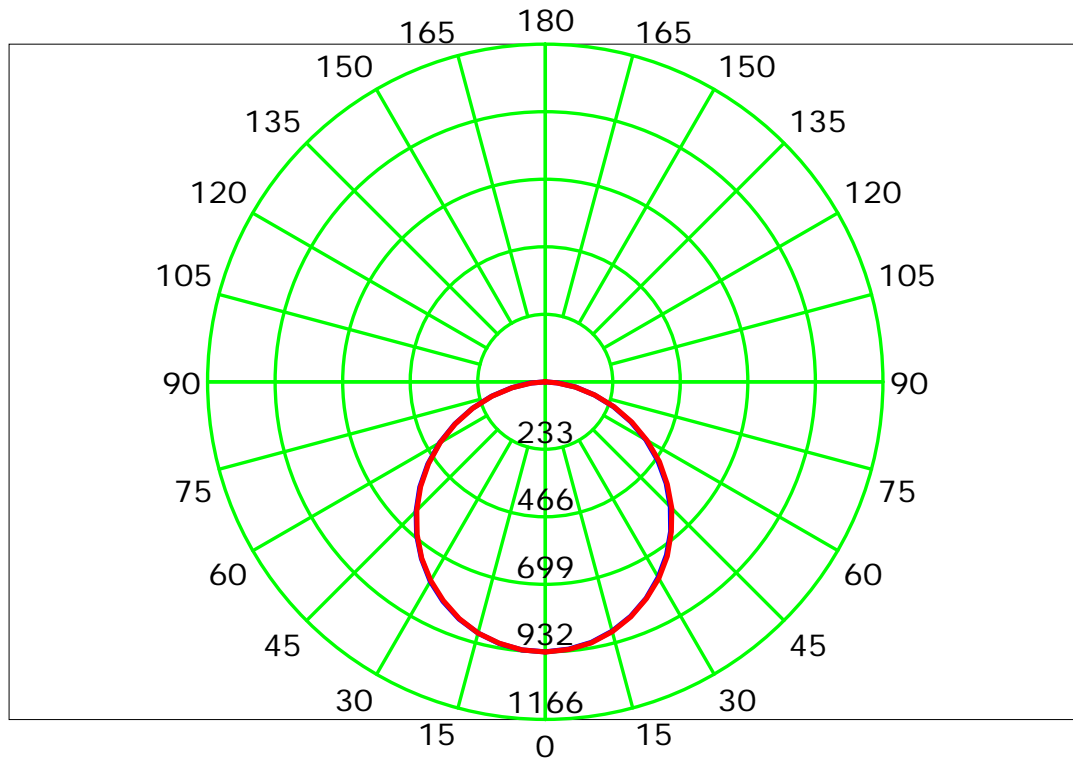
Temperature:

Humidity:

Operator:

Inspector:

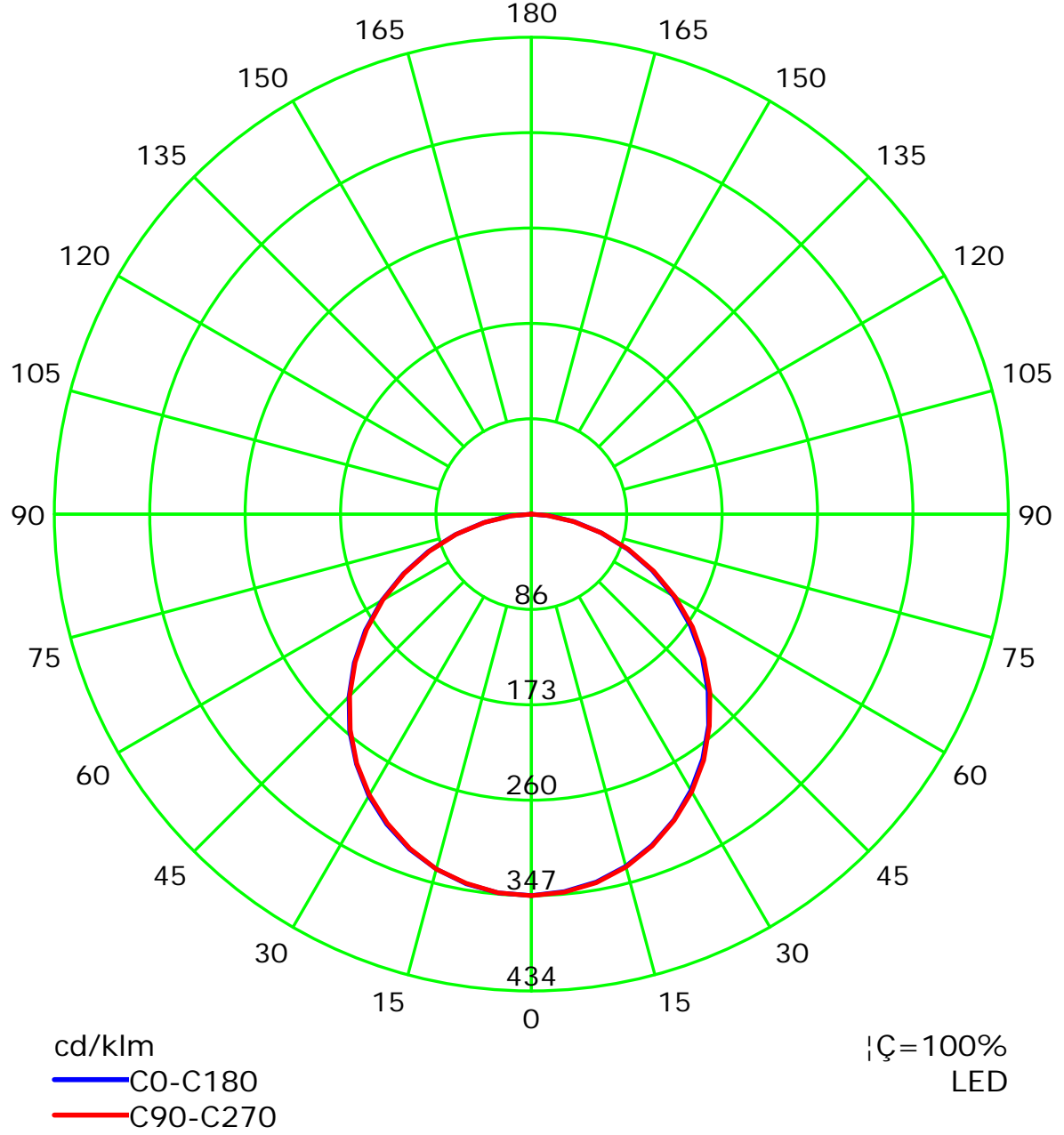
Luminous Intensity Distribution Curve



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:

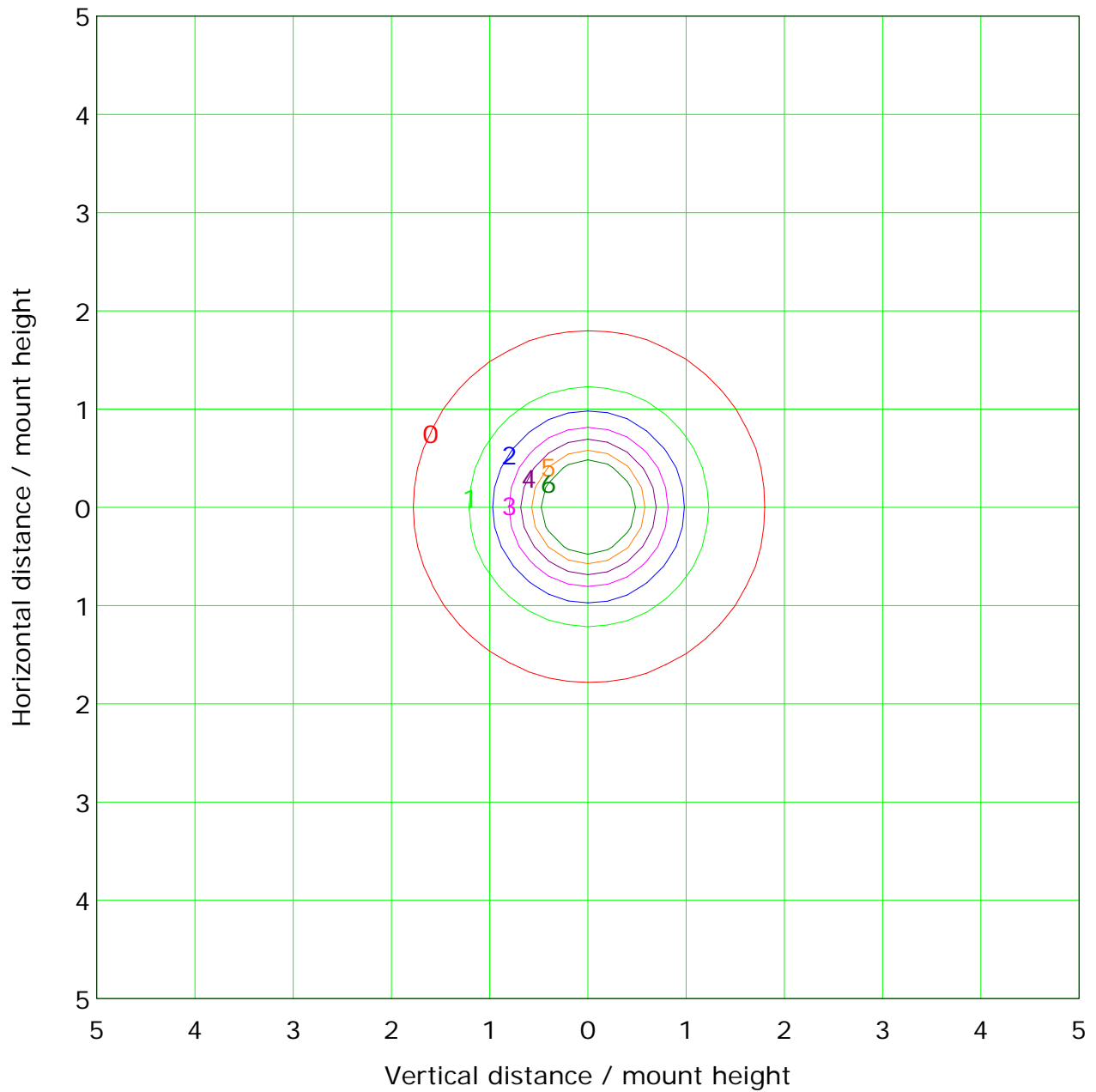
Luminous Intensity Distribution Curve(cd/klm)



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%): 9.3 lx	
— (5%):	0.5 lx	— (15%):	1.4 lx
— (25%):	2.3 lx	— (35%):	3.3 lx
— (45%):	4.2 lx	— (55%):	5.1 lx
— (65%):	6.1 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:

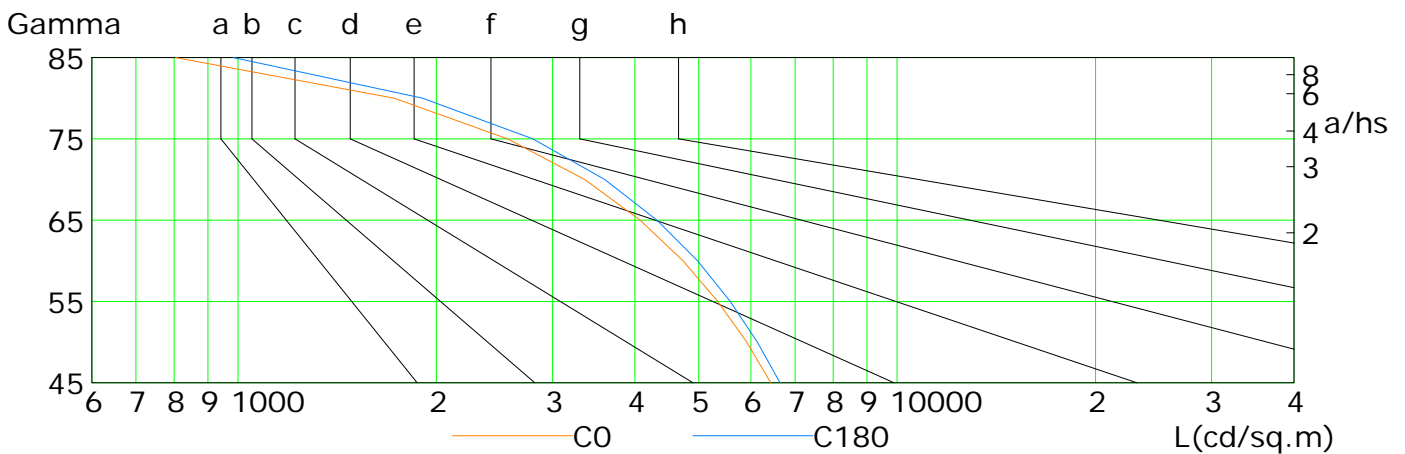
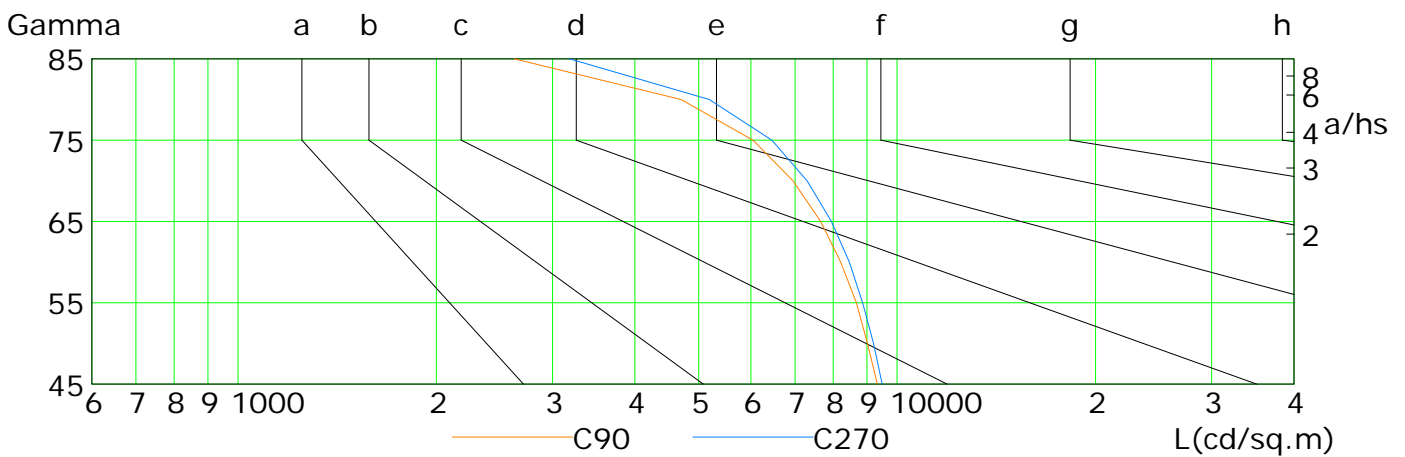
Humidity:

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	6431	5914	5346	4734	4075	3359	2564	1726	804
C90	9333	9012	8672	8211	7658	6950	6044	4701	2626
C180	6644	6134	5581	4981	4322	3600	2801	1905	984
C270	9492	9207	8865	8462	7951	7301	6457	5187	3185

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

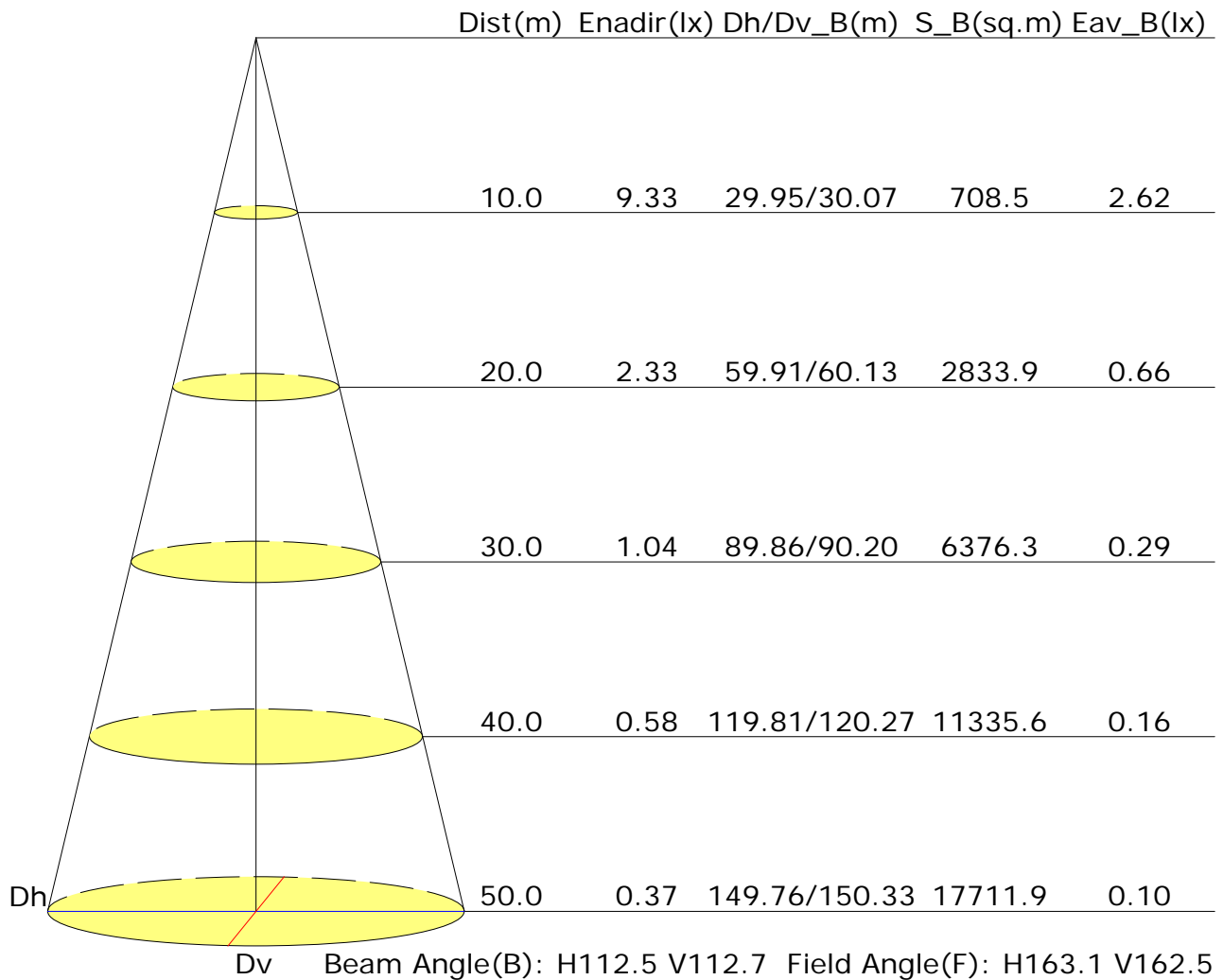
Test Device:

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

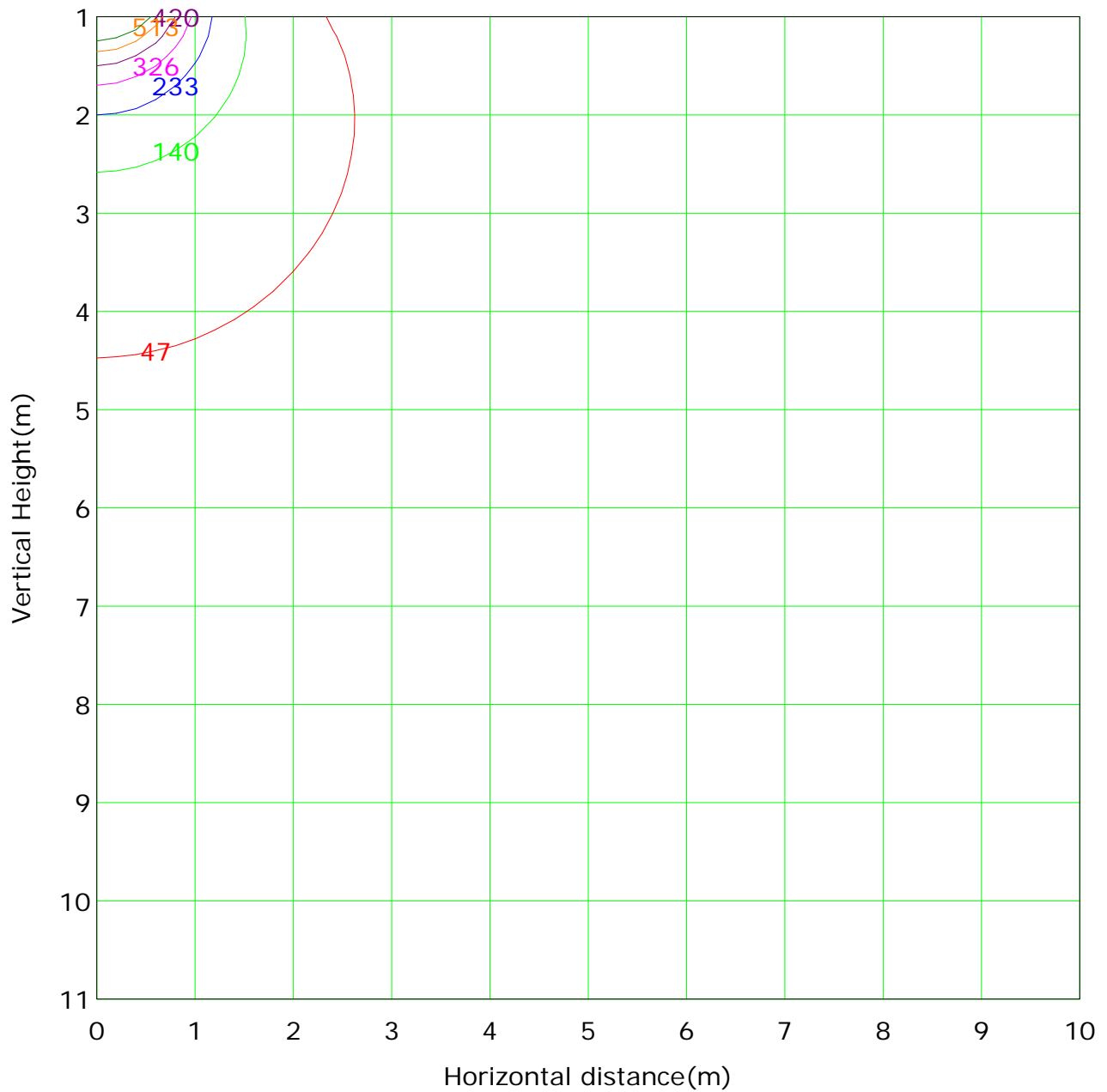
Test Device:

Distance:

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 932.8 lx

(5%): 46.6 lx

(15%): 139.9 lx

(25%): 233.2 lx

(35%): 326.5 lx

(45%): 419.8 lx

(55%): 513.0 lx

(65%): 606.3 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: