

Report No.: 36

Test Time: 24.11.2017 14:30

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 3x25LED 0,3A 30W Refond 125-127,5Lm 3000K

Luminous Length (mm): 945

Luminous Width (mm): 55

Voltage: 231.5 V

Current: 0.124 A

Power: 28.18 W

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Measurement Flux: 2240.2 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2240.2 lm

Efficiency: 100%

Upward Ratio: 0%

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

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.0, 112.0, 112.0, 112.0

Luminaire Efficacy Rating (LER): 79.55

Central Intensity: 780.52 cd

Max. Intensity: 780.53 cd

Pos of Max. Intensity: H0 V0

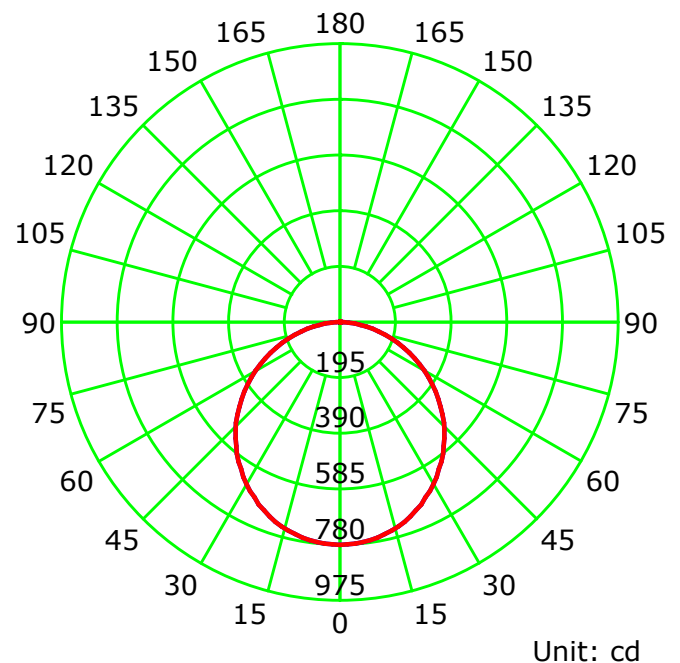
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-0.0: 0.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

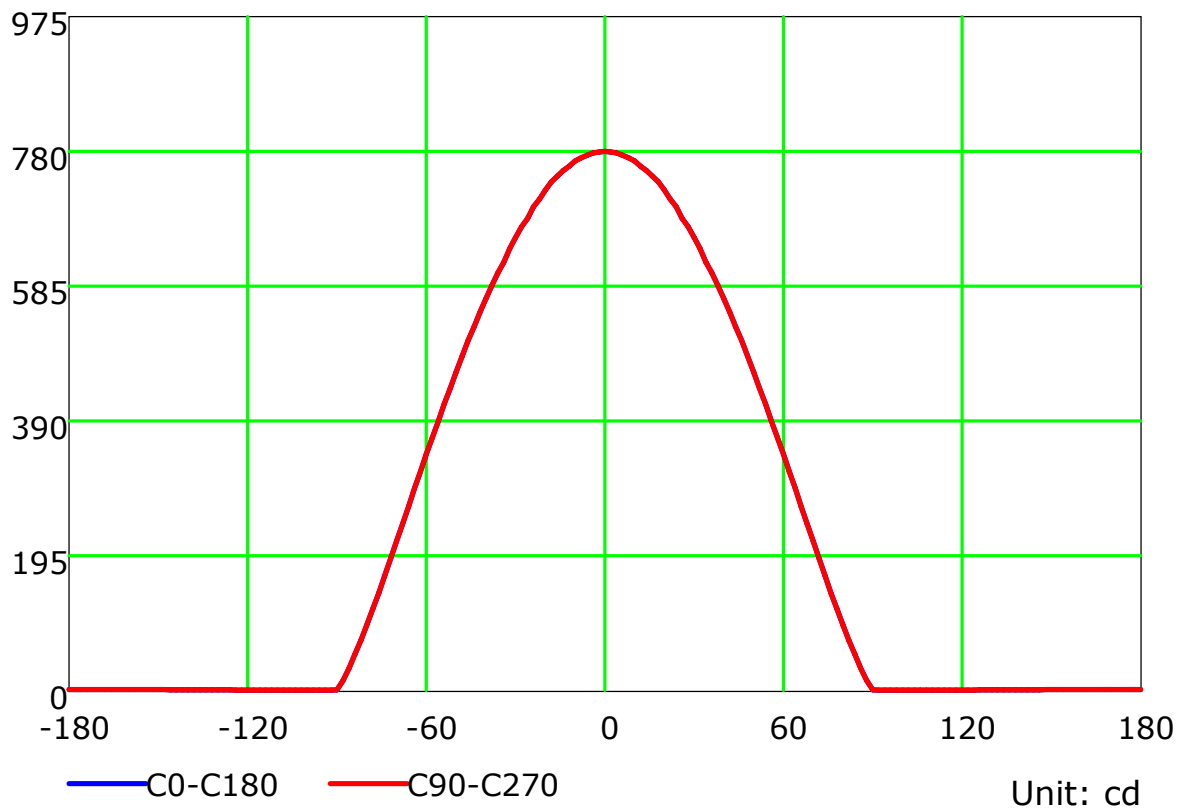
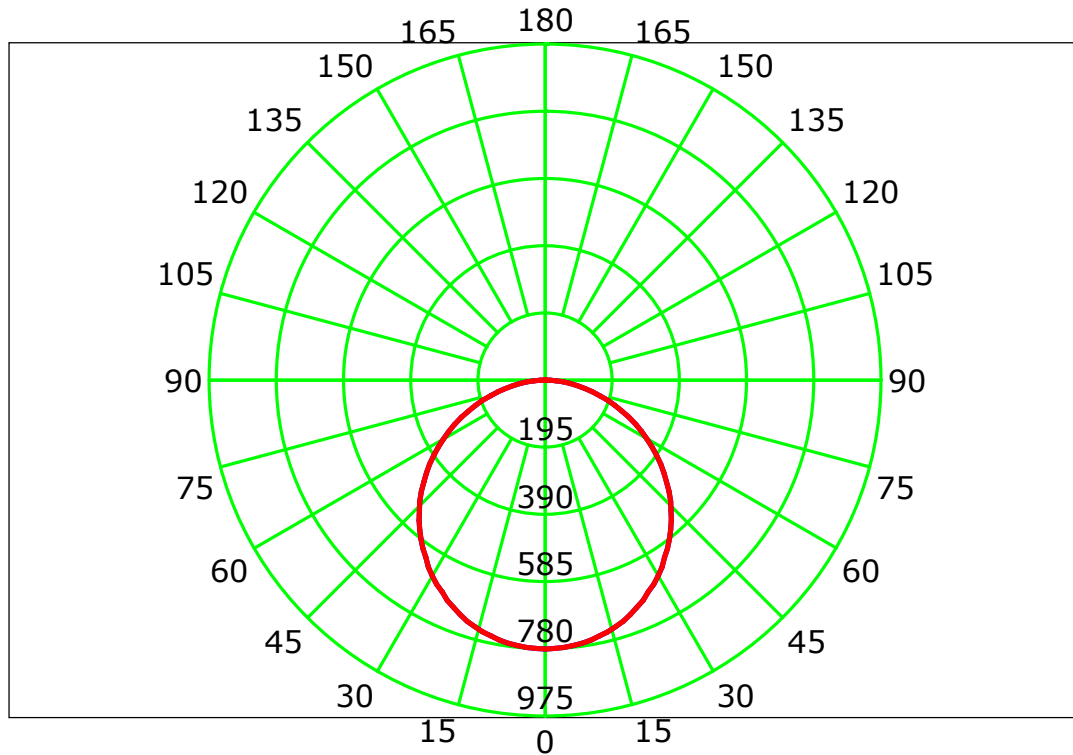
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-0.0: 0.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

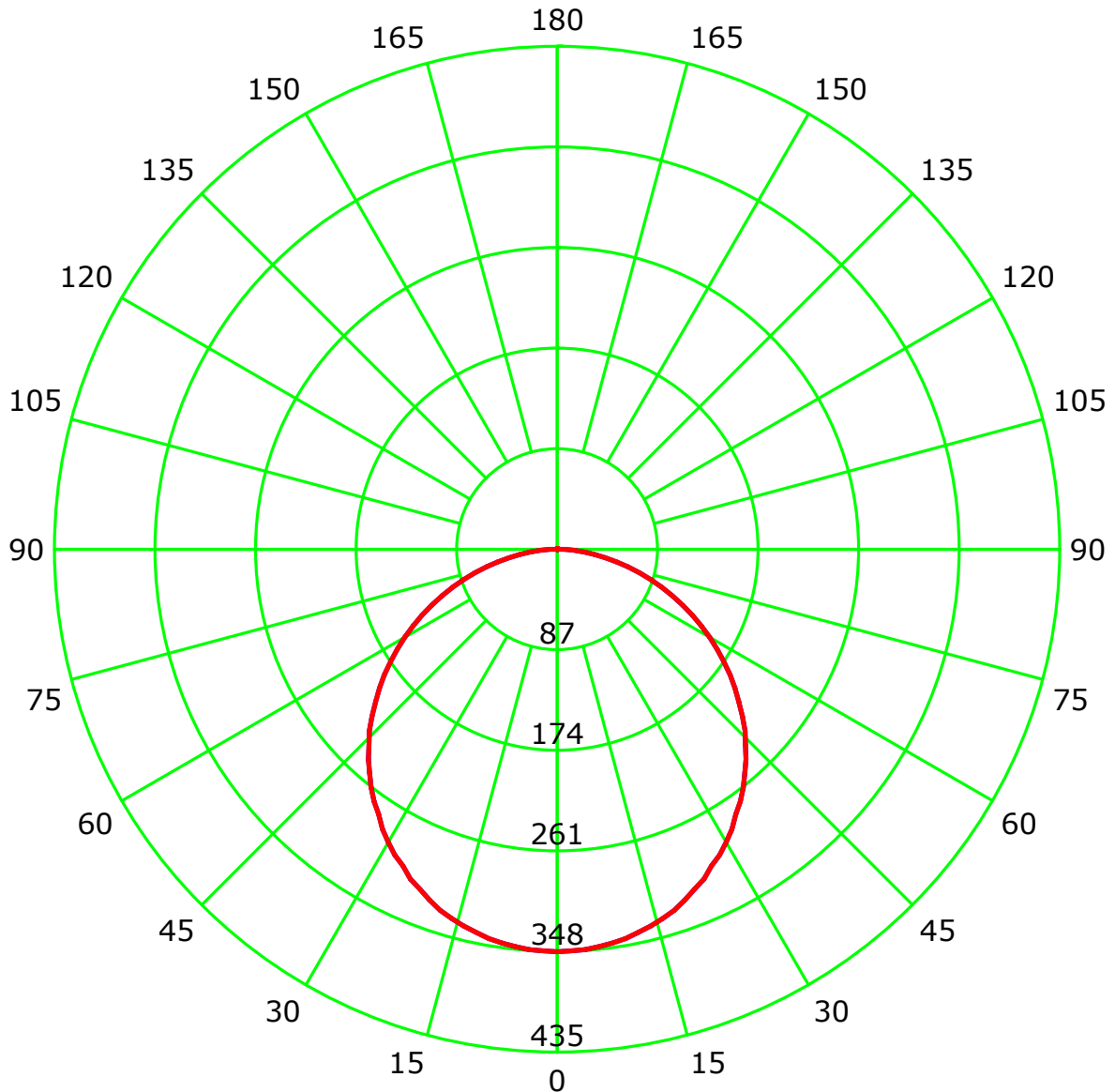
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



cd/klm

C0-CFG 50 3x25LED 0,3A 30W Refond 125-127,5Lm 3000K

C90-C270

!Ç=100%

C Plane (°):0.0-0.0: 0.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

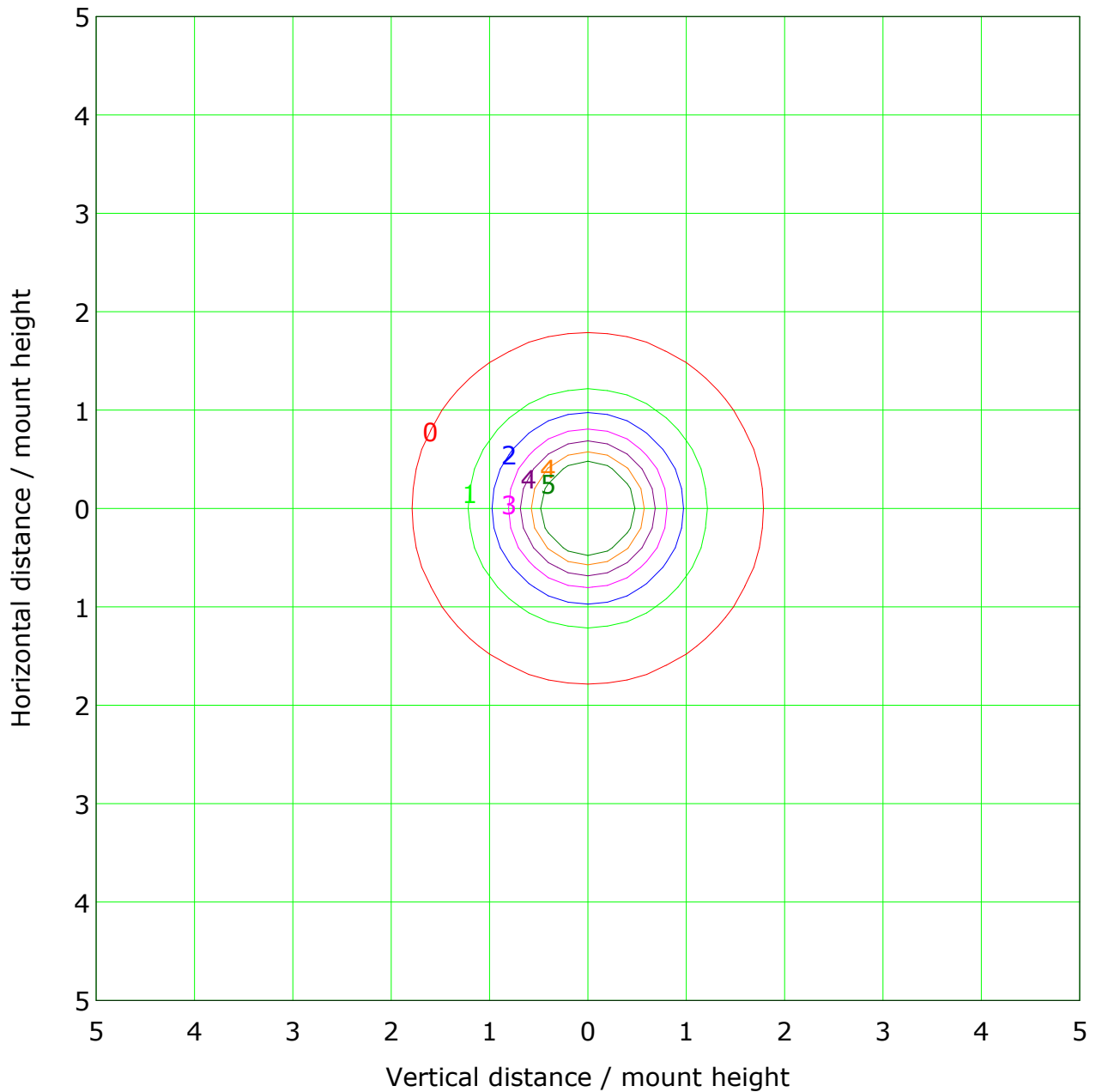
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 7.8 lx	
(5%):	0.4 lx	(15%):	1.2 lx
(25%):	2.0 lx	(35%):	2.7 lx
(45%):	3.5 lx	(55%):	4.3 lx
(65%):	5.1 lx		

C Plane (°):0.0-0.0: 0.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.606 m

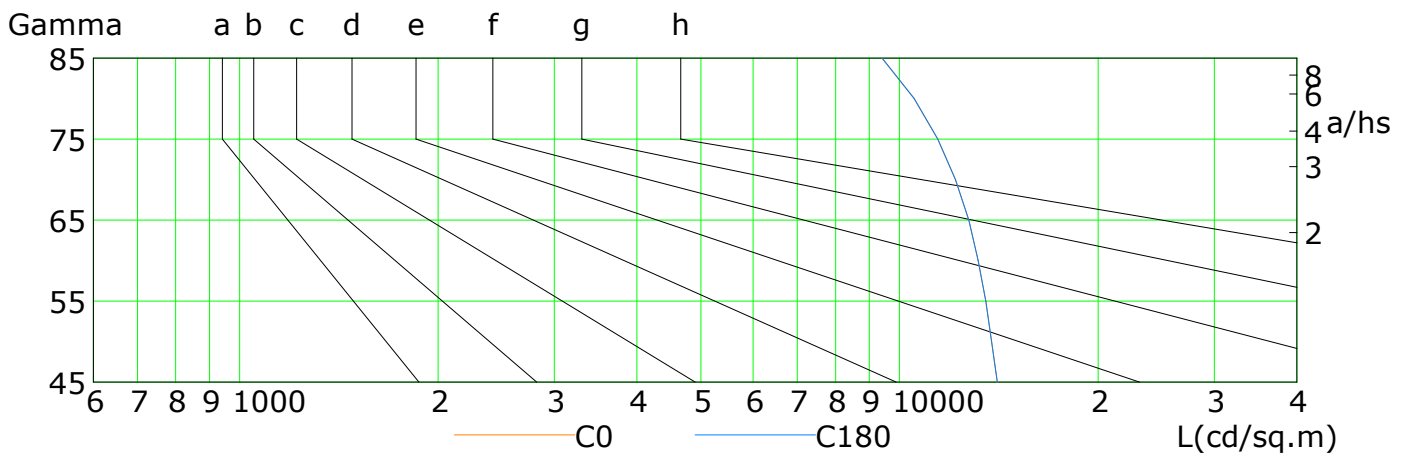
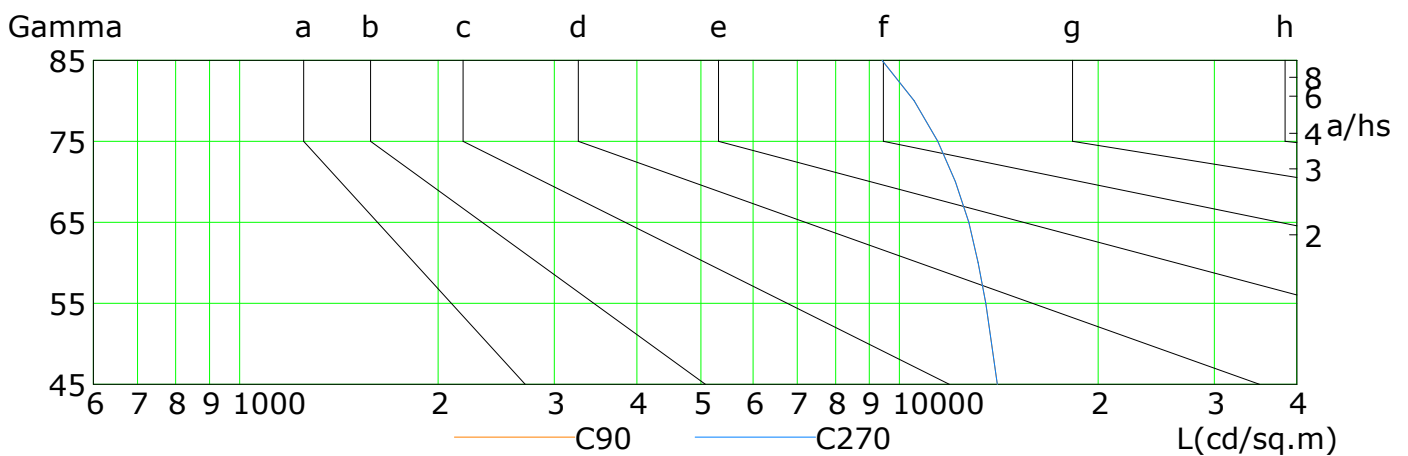
Humidity:

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	14067	13790	13507	13163	12737	12160	11432	10523	9411
C90	14067	13790	13507	13163	12737	12160	11432	10523	9411
C180	14067	13790	13507	13163	12737	12160	11432	10523	9411
C270	14067	13790	13507	13163	12737	12160	11432	10523	9411

C Plane (°):0.0-0.0: 0.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

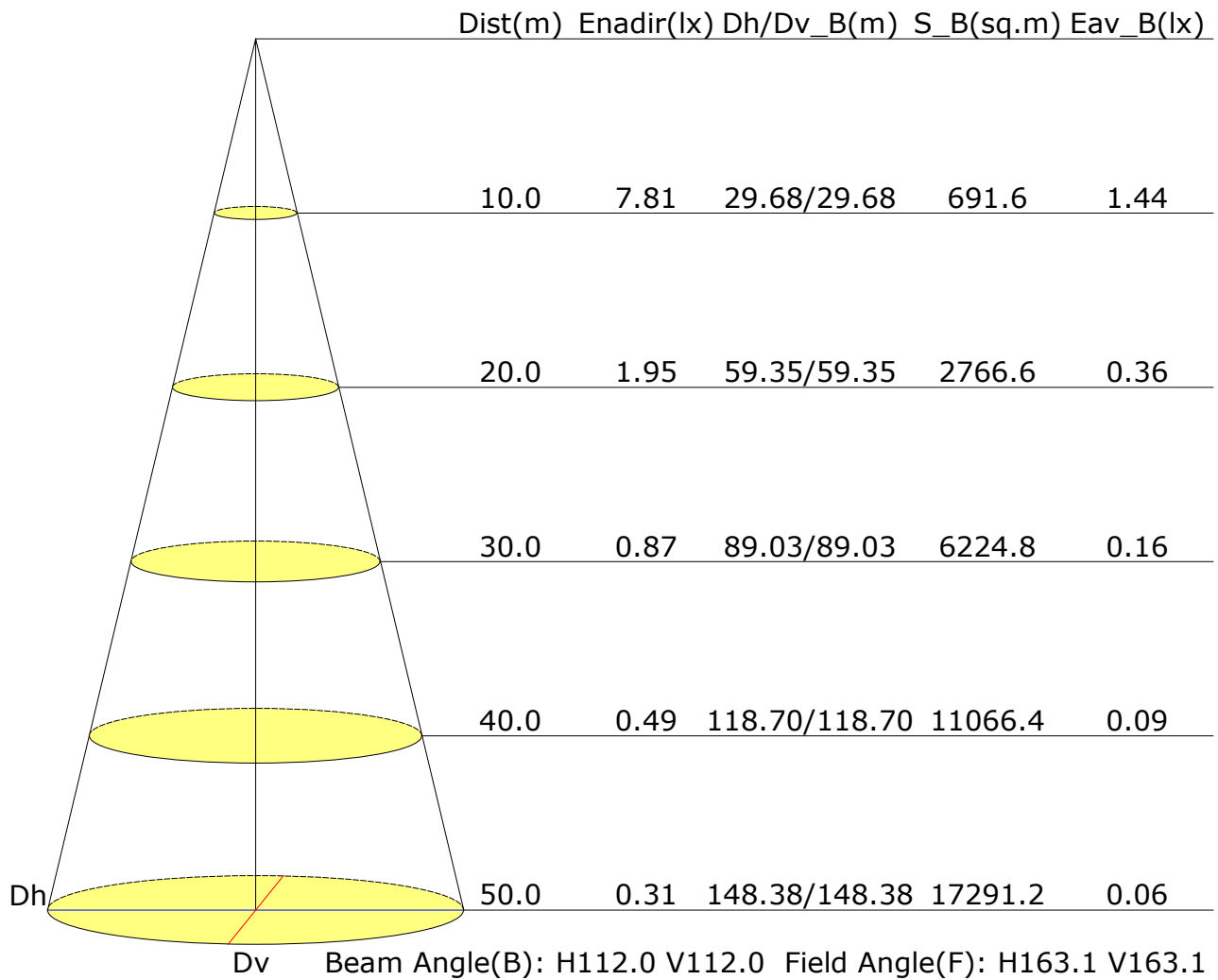
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-0.0: 0.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector: