

Report No.: 45

Test Time: 25.12.2017 12:52

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 4x30LED 0,6A 75W Refond 125-127,5Lm 4000K

Luminous Length (mm): 1545

Luminous Width (mm): 55

Voltage: 231.2 V

Current: 0.337 A

Power: 76.93 W

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Measurement Flux: 5859.6 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 5859.6 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.8, 161.0, 162.1, 161.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.4, 111.0, 111.7, 111.7

Luminaire Efficacy Rating (LER): 76.22

Central Intensity: 2057.73 cd

Max. Intensity: 2068.49 cd

Pos of Max. Intensity: H157.5 V0

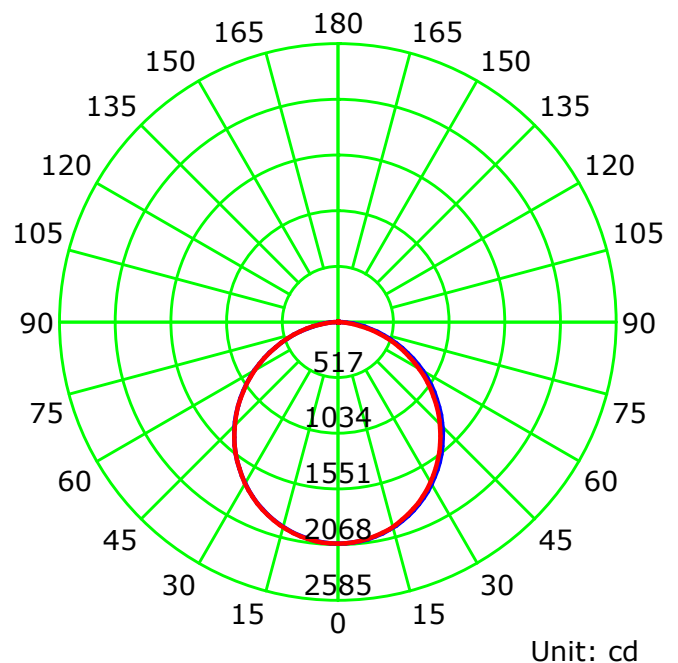
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

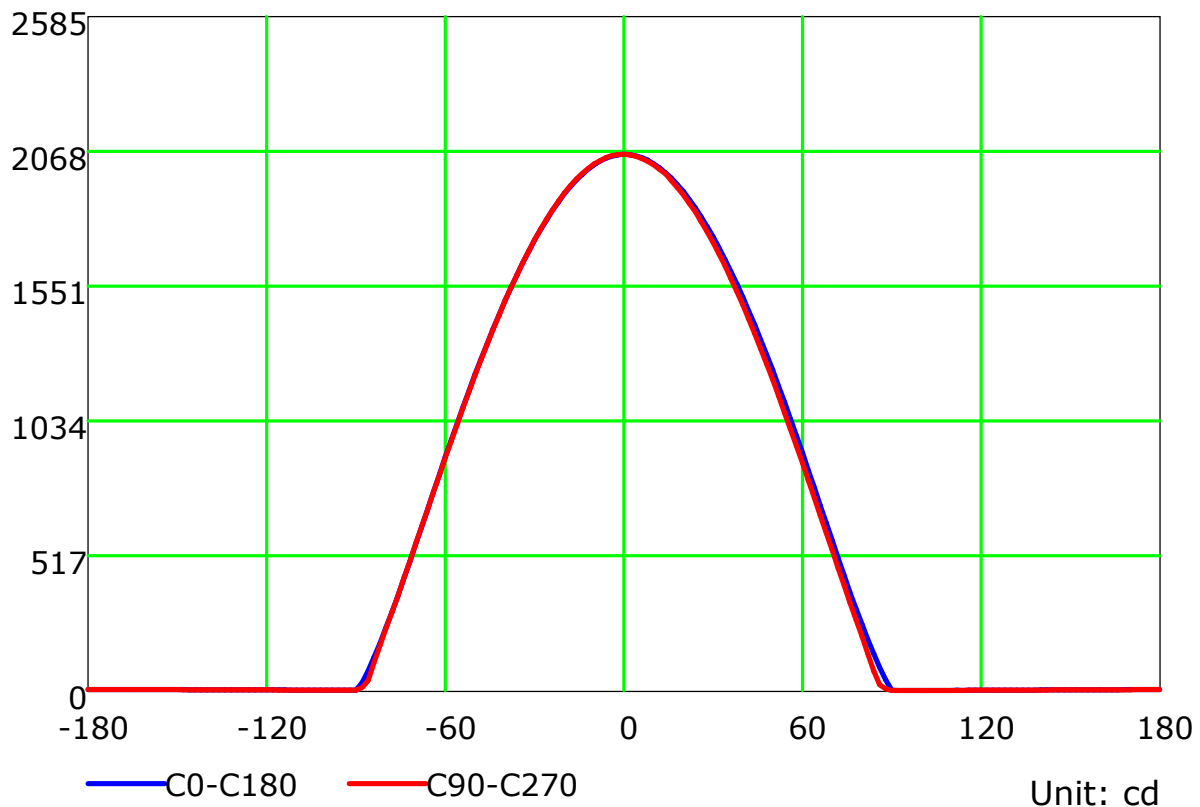
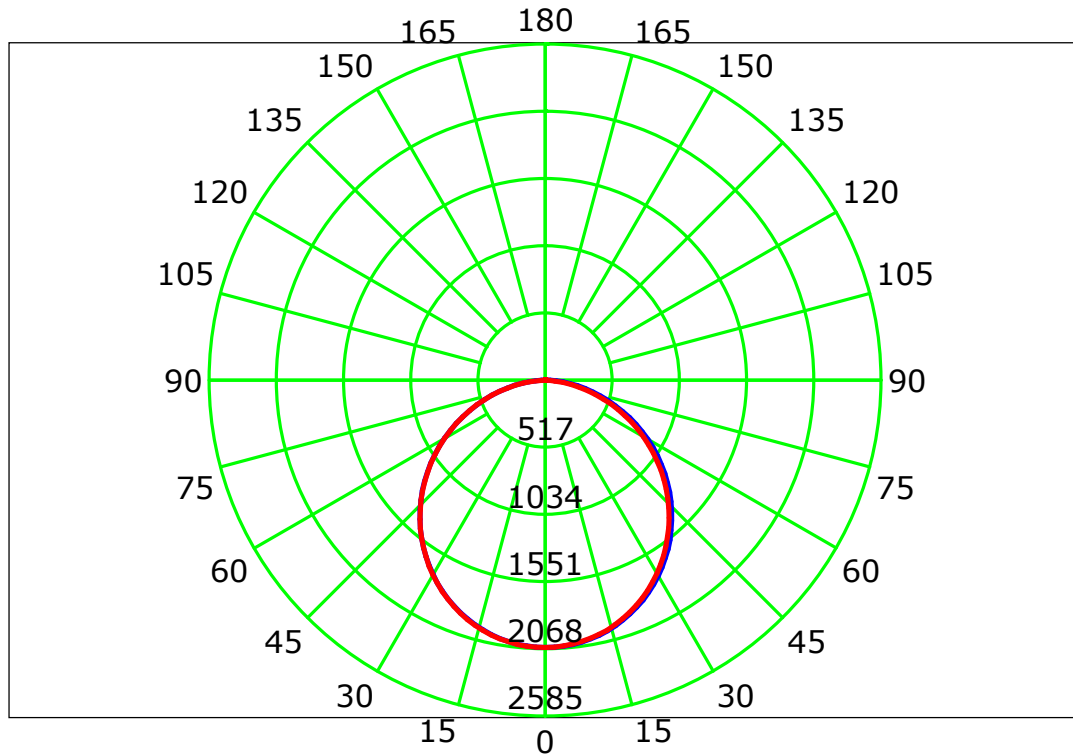
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

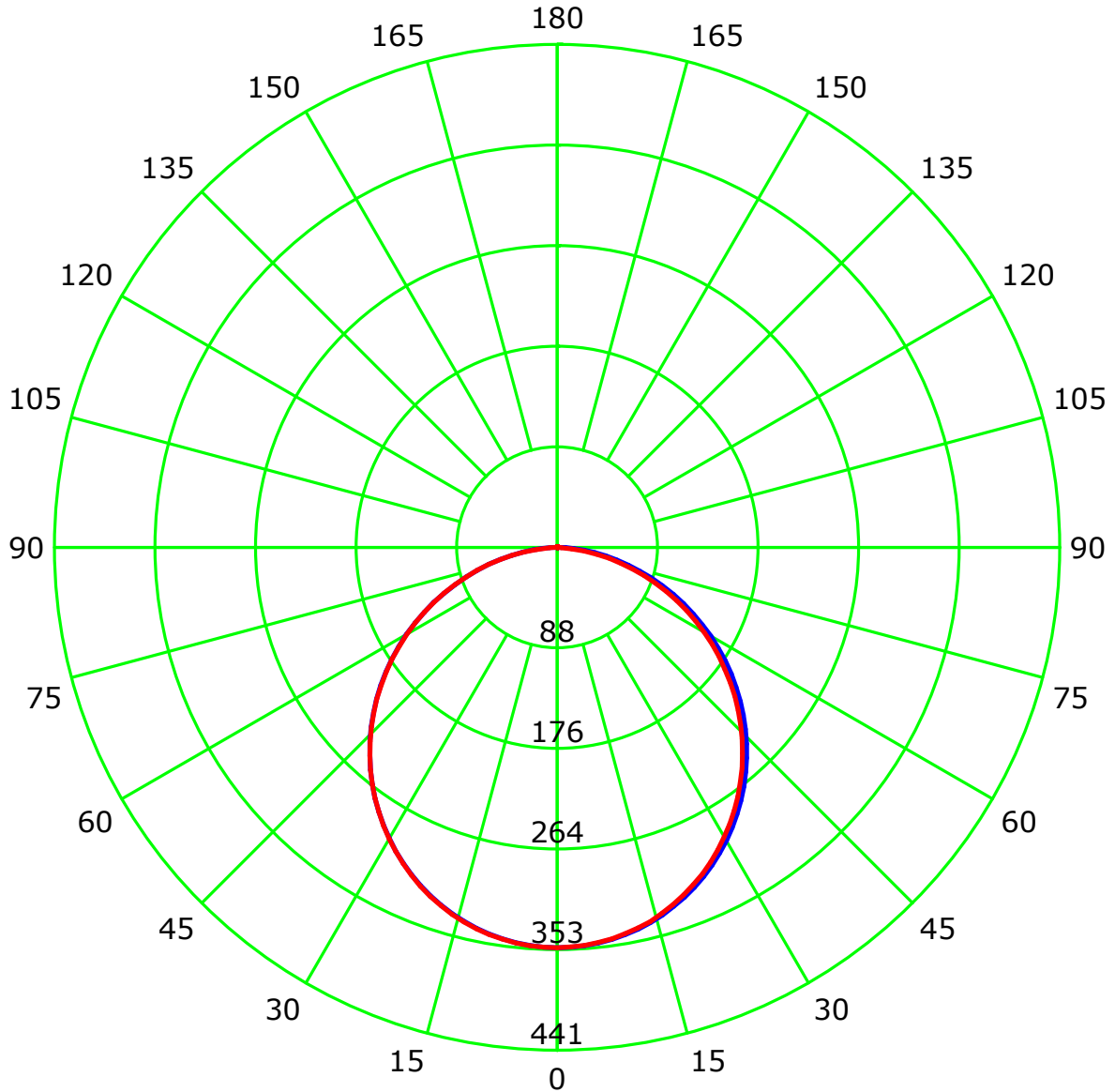
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



cd/klm

!Ç=100%

— C0-CFG 50 4x30LED 0,6A 75W Refond 125-127,5Lm 4000K

— C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

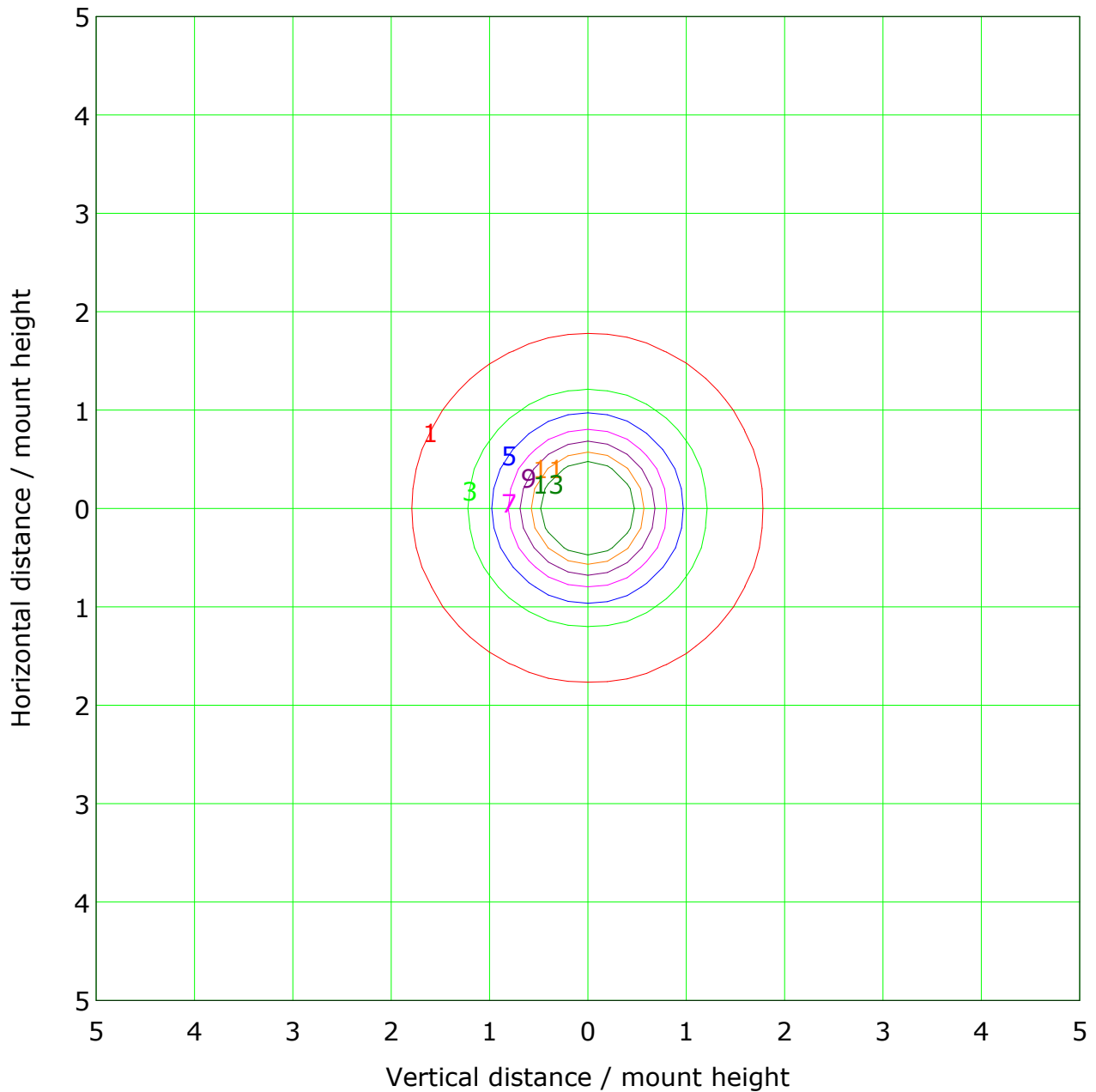
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 20.7 lx	
(5%): 1.0 lx	(15%): 3.1 lx
(25%): 5.2 lx	(35%): 7.2 lx
(45%): 9.3 lx	(55%): 11.4 lx
(65%): 13.4 lx	

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Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.606 m

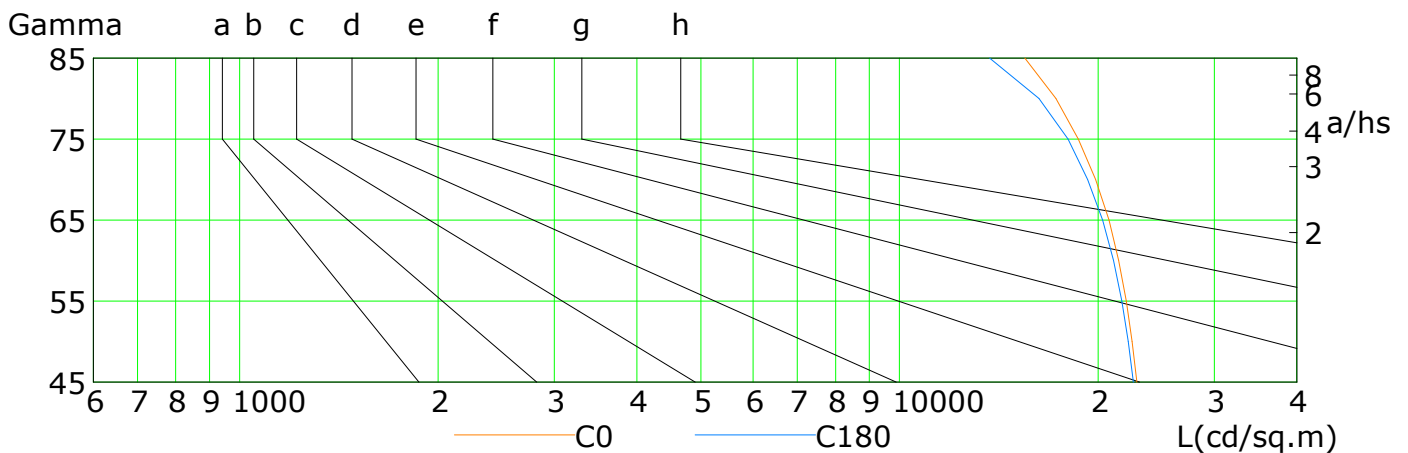
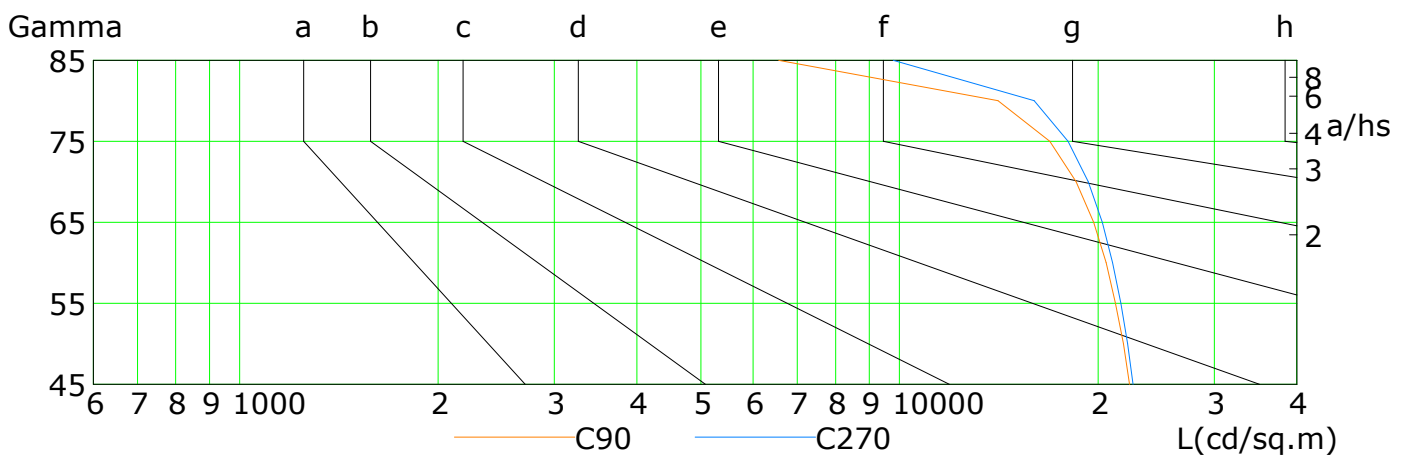
Humidity:

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	22886	22515	22061	21491	20766	19834	18661	17250	15489
C90	22317	21849	21239	20566	19684	18518	16903	14097	6560
C180	22614	22228	21720	21106	20310	19269	17998	16270	13695
C270	22586	22173	21660	21043	20289	19320	18008	15995	9784

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Temperature:

Operator:

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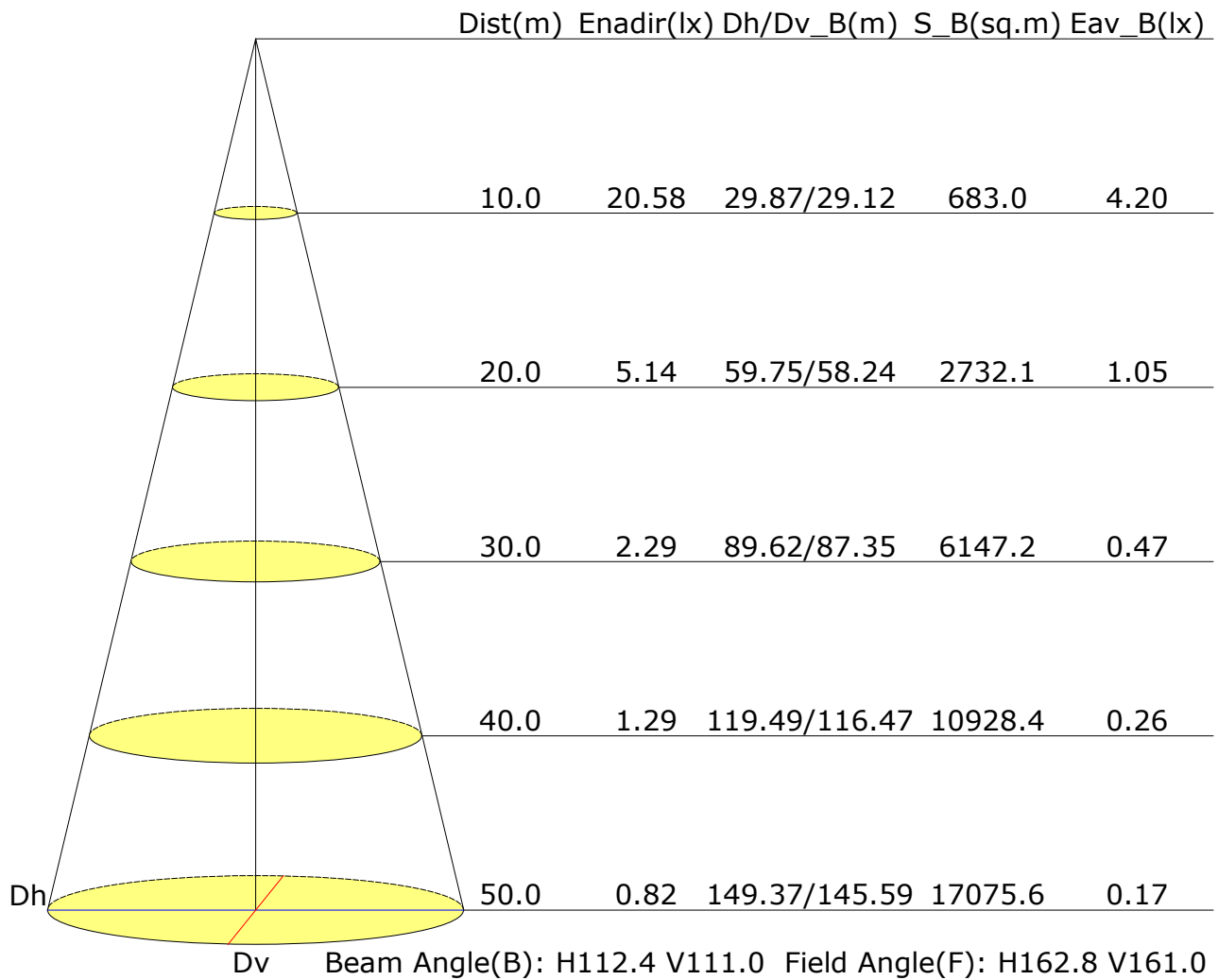
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector: