

Report No.: 37

Test Time: 27.11.2017 15:10

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 25x3LED 0,3A 30W 5000K

Luminous Length (mm): 945

Voltage: 231.5 V

Power: 28.32 W

Luminous Width (mm): 55

Current: 0.125 A

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Measurement Flux: 2355.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.8, 160.3, 161.6, 161.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.8, 110.3, 110.0, 111.4

Luminaire Efficacy Rating (LER): 83.21

Max. Intensity: 843.75 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 2355.1 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 832.08 cd

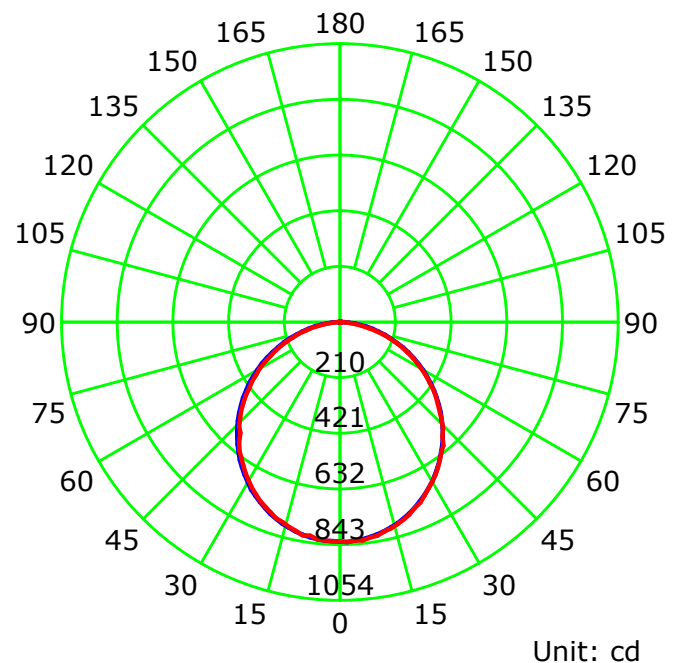
Pos of Max. Intensity: H45 V6

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

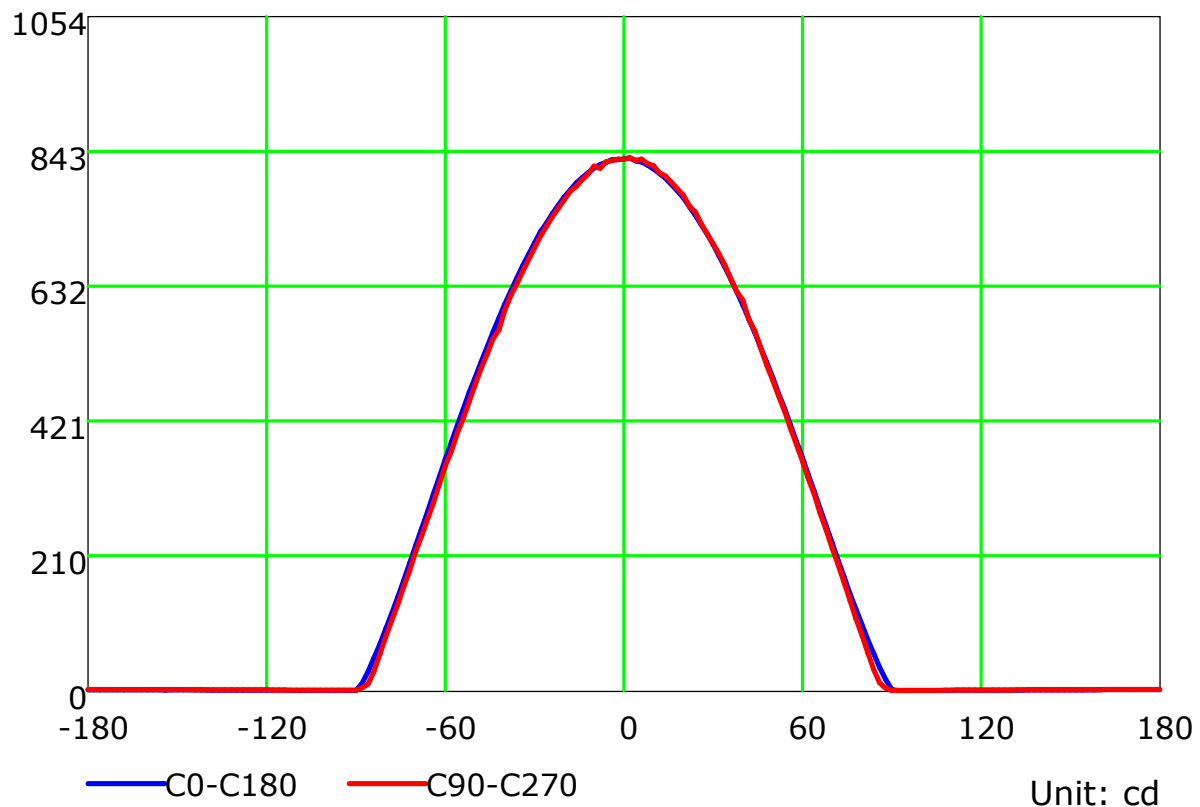
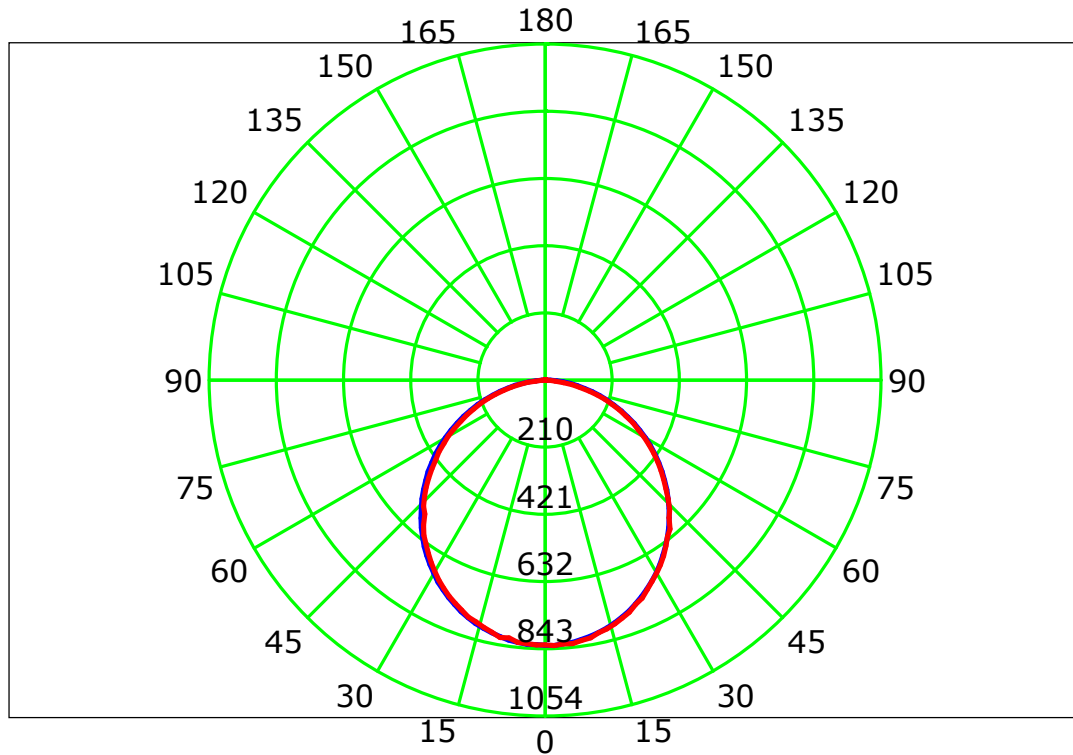
Test Device: LSG-1800B

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

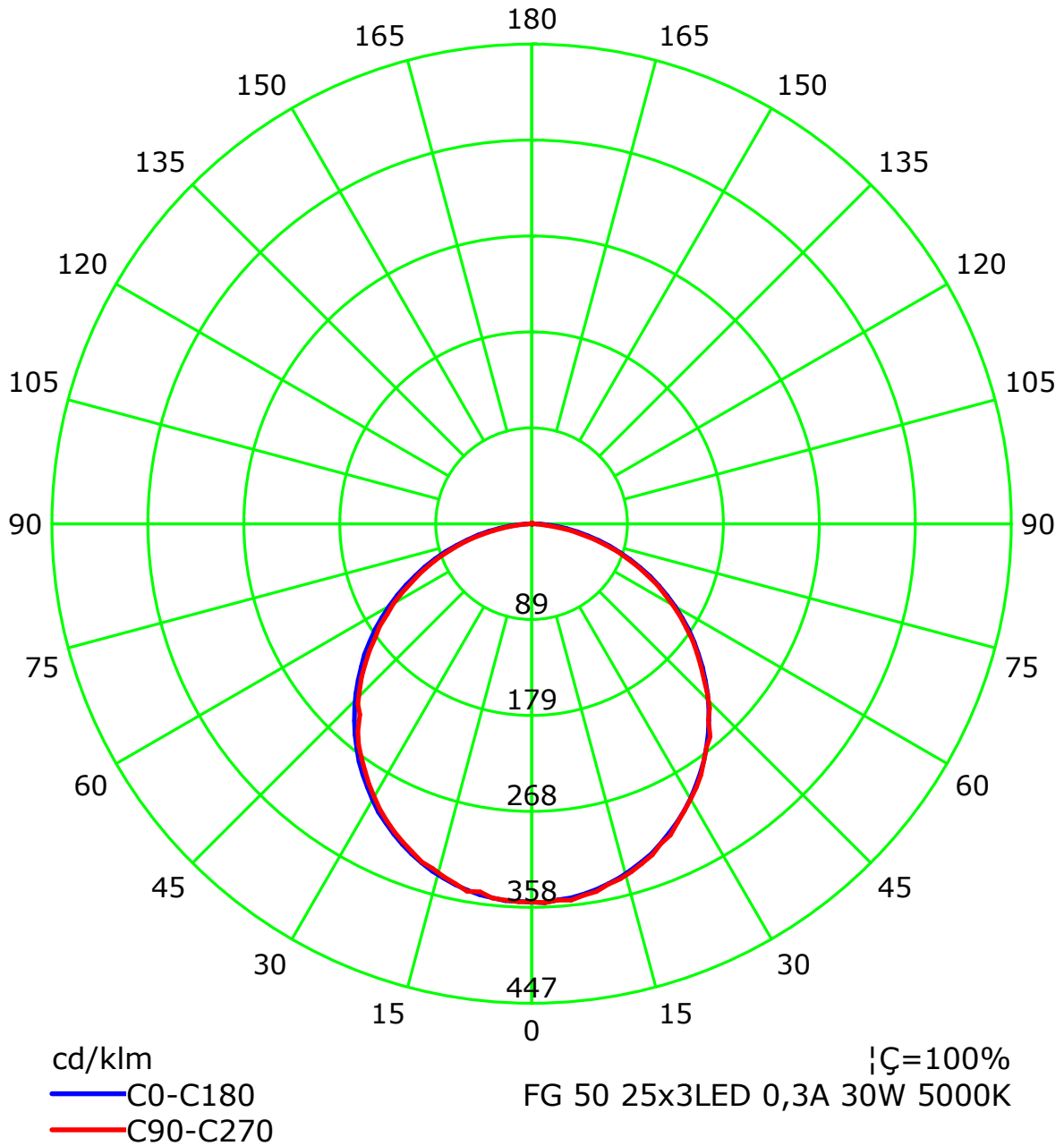
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

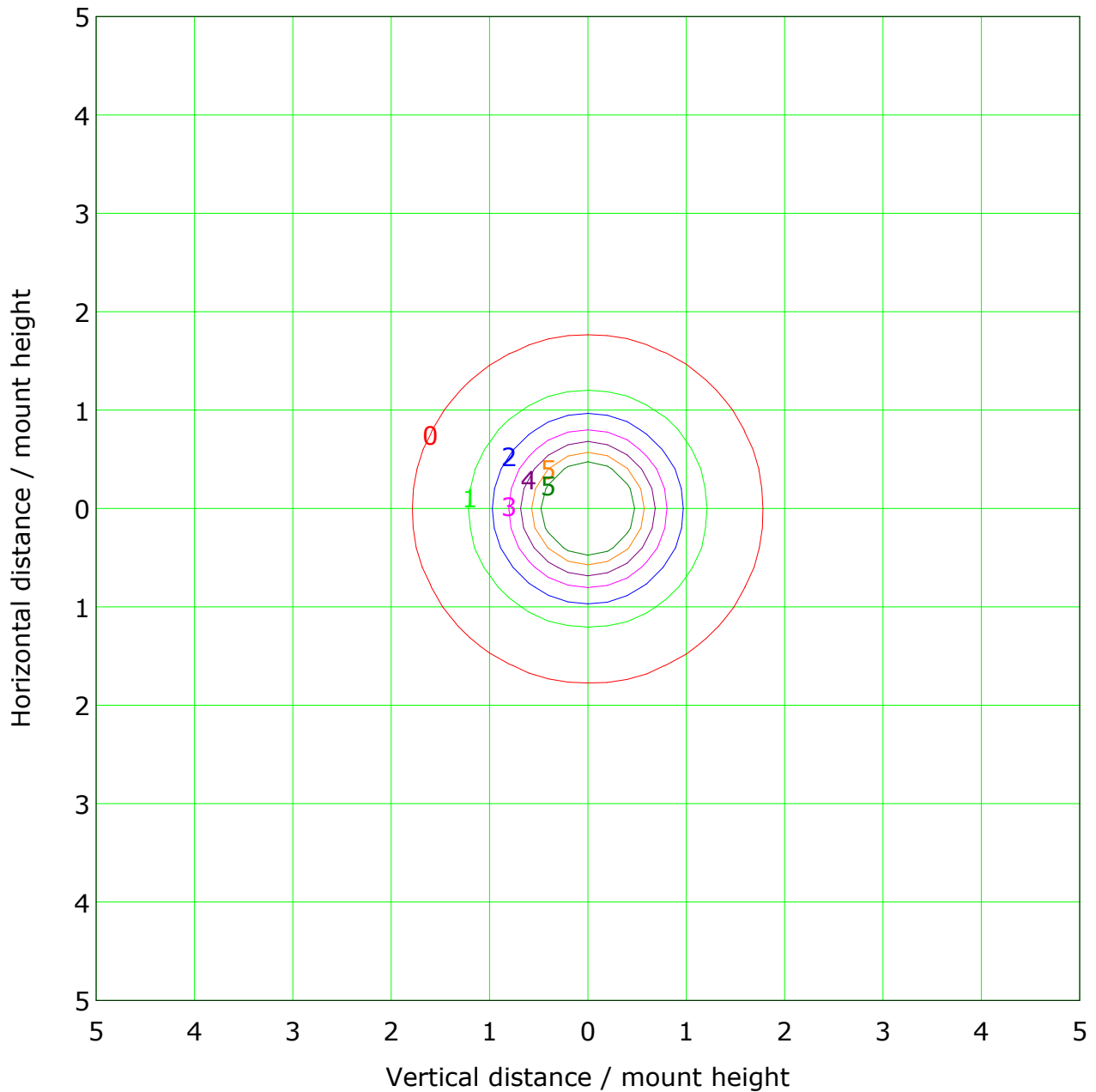
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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Test Device: LSG-1800B

Distance: 12.606 m

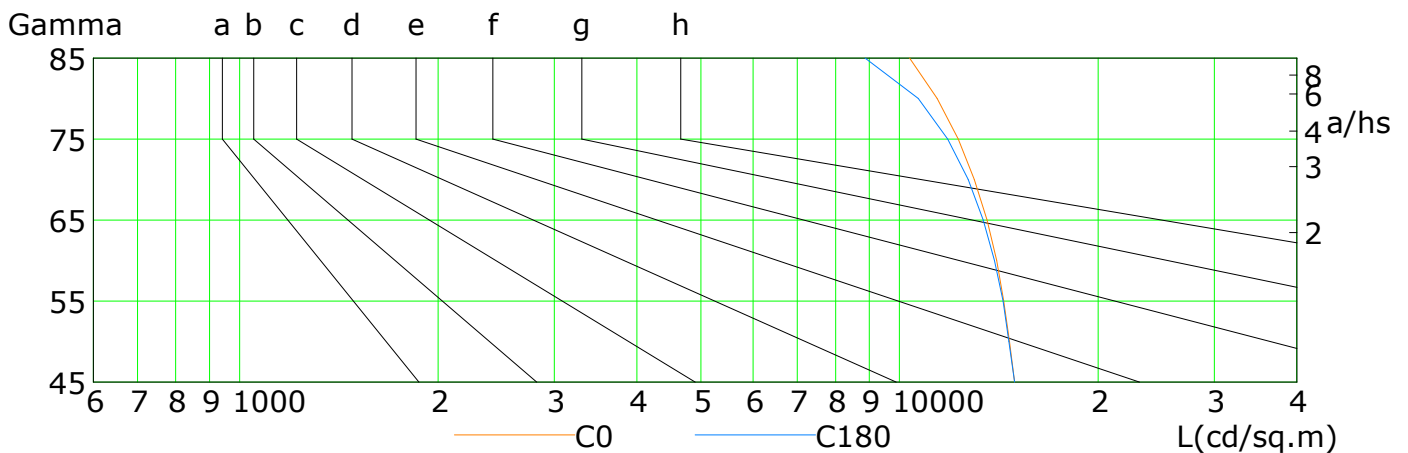
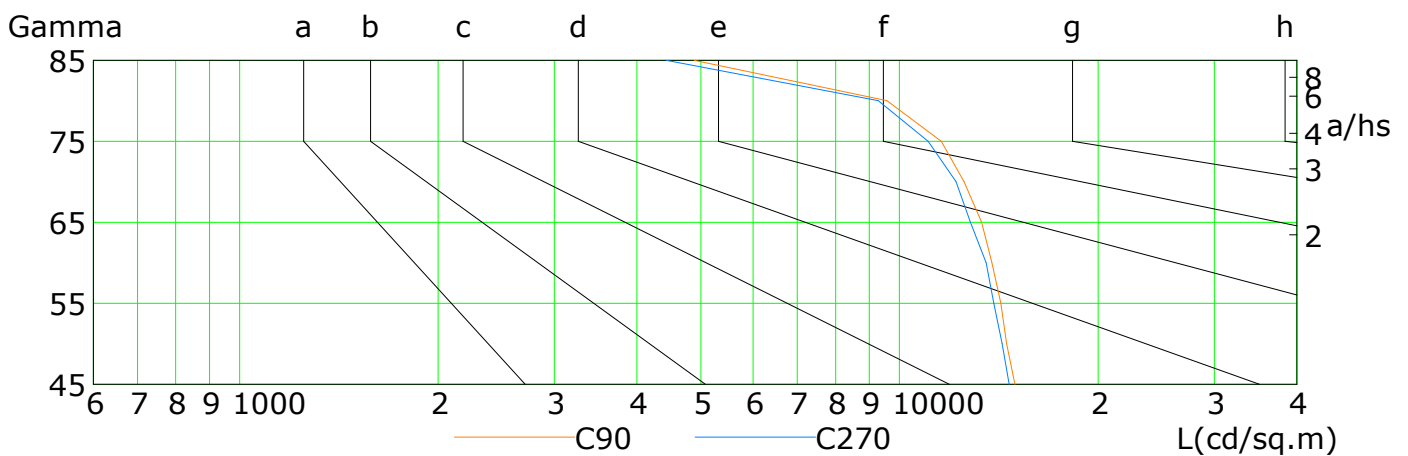
Humidity:

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	14937	14677	14393	14032	13569	12976	12276	11401	10359
C90	14964	14540	14236	13810	13318	12523	11571	9567	4888
C180	14950	14644	14355	13931	13394	12712	11837	10680	8870
C270	14657	14314	13903	13531	12813	12183	11056	9285	4434

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Temperature:

Operator:

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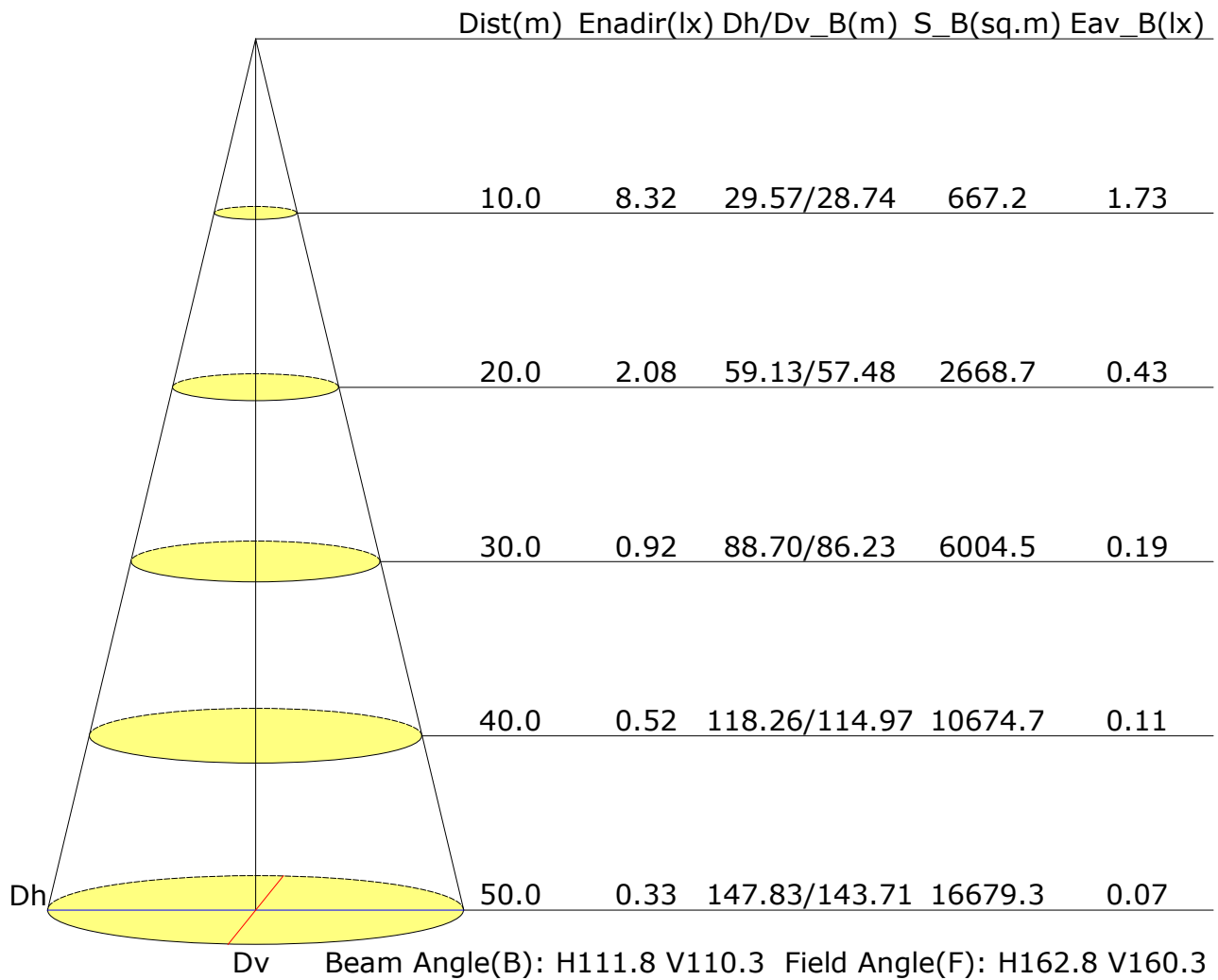
Test Device: LSG-1800B

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: