

Report No.: 40

Test Time: 12.12.2017 10:26

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 25x3LED 0,3A 30W 4000K

Luminous Length (mm): 945

Voltage: 231.4 V

Power: 28.23 W

Luminous Width (mm): 55

Current: 0.124 A

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 2407.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.6, 160.6, 161.9, 161.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.8, 110.4, 111.1, 111.3

Luminaire Efficacy Rating (LER): 85.33

Max. Intensity: 867.66 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 2407.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 838.51 cd

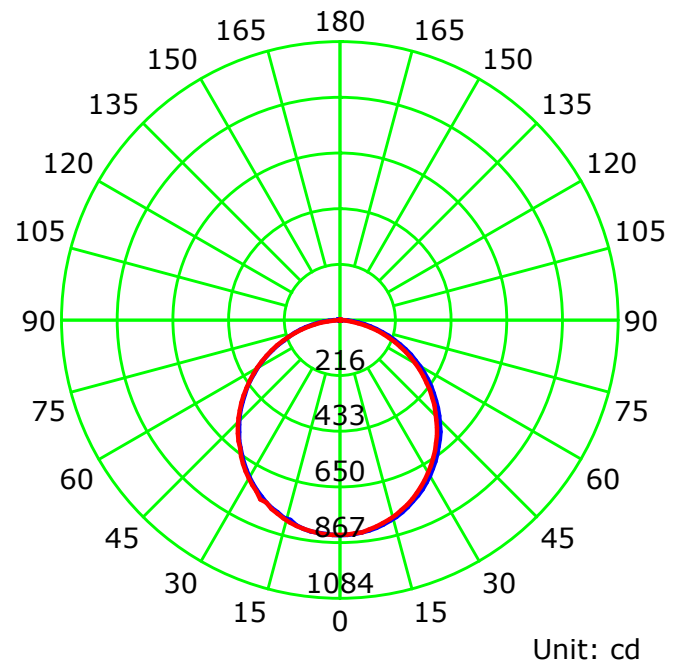
Pos of Max. Intensity: H135 V2

S/MH(C90/C270): 1.24

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

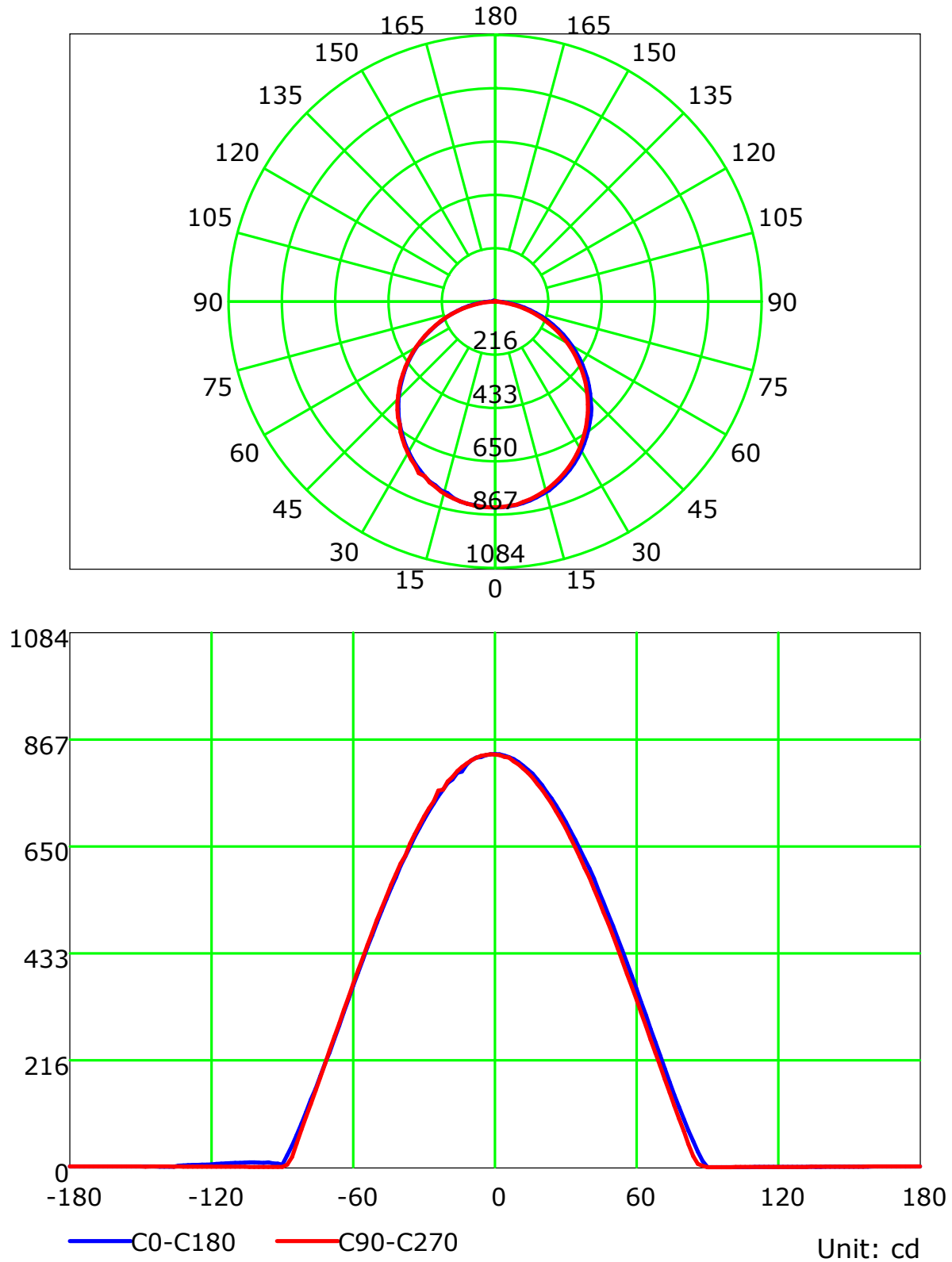
Test Device: LSG-1800B

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

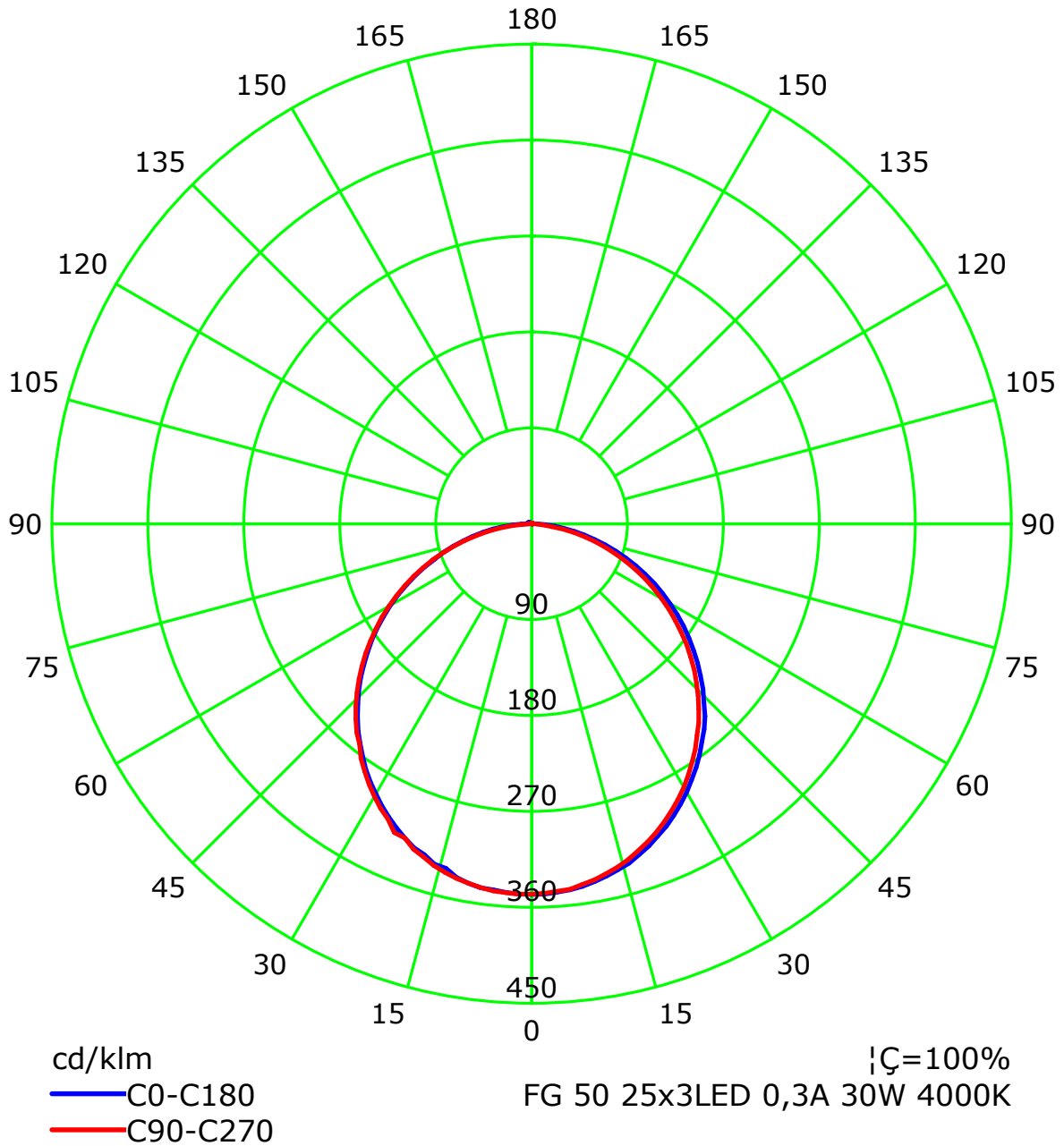
Test Device: LSG-1800B

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

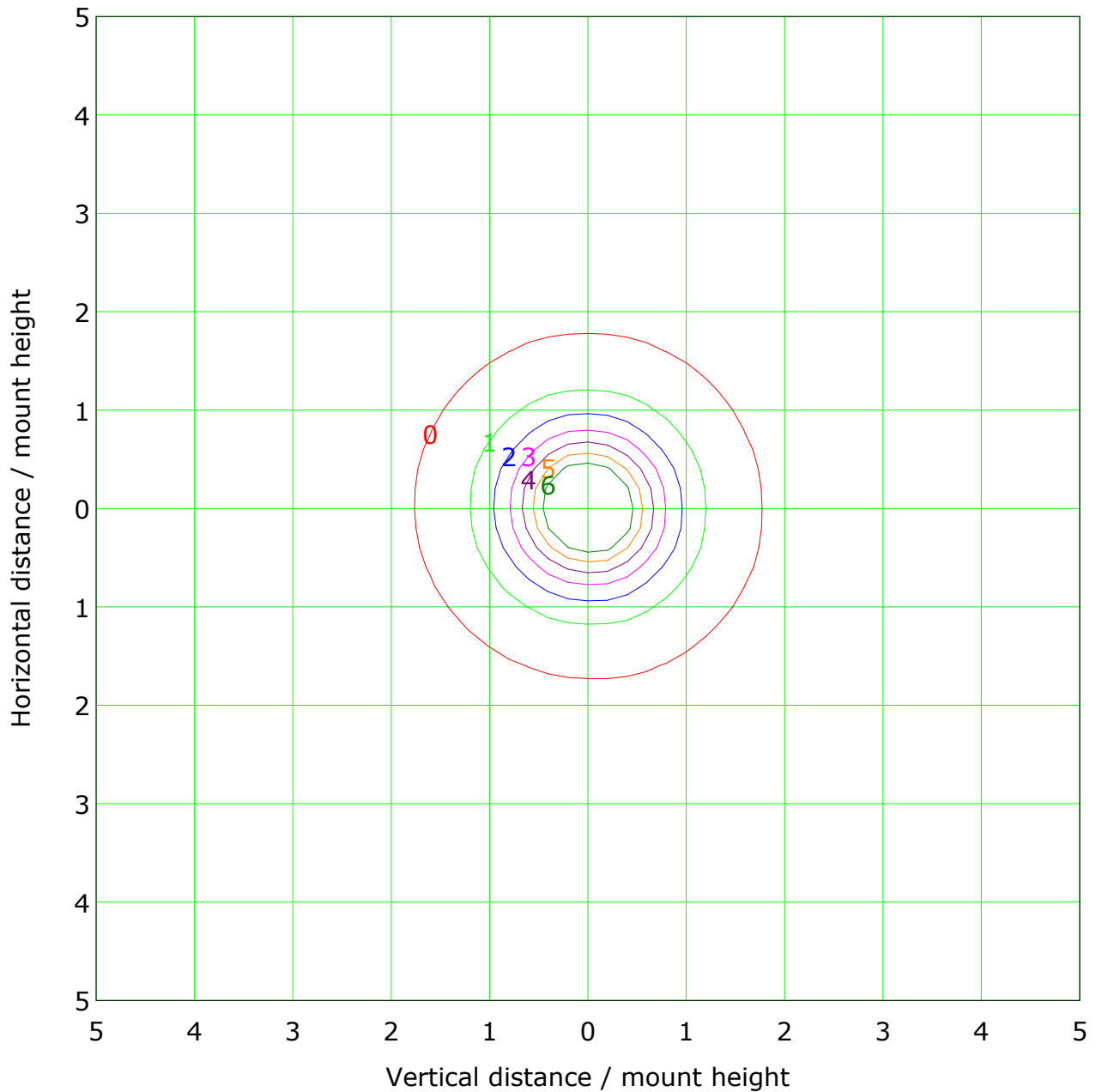
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 8.7 lx	
(5%):	0.4 lx	(15%):	1.3 lx
(25%):	2.2 lx	(35%):	3.0 lx
(45%):	3.9 lx	(55%):	4.8 lx
(65%):	5.6 lx		

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

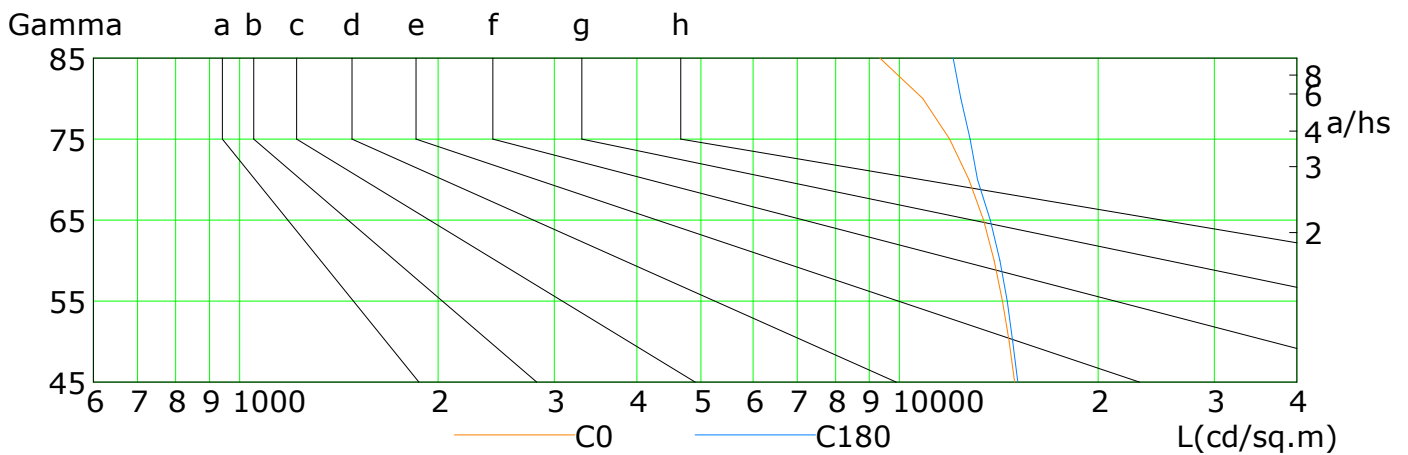
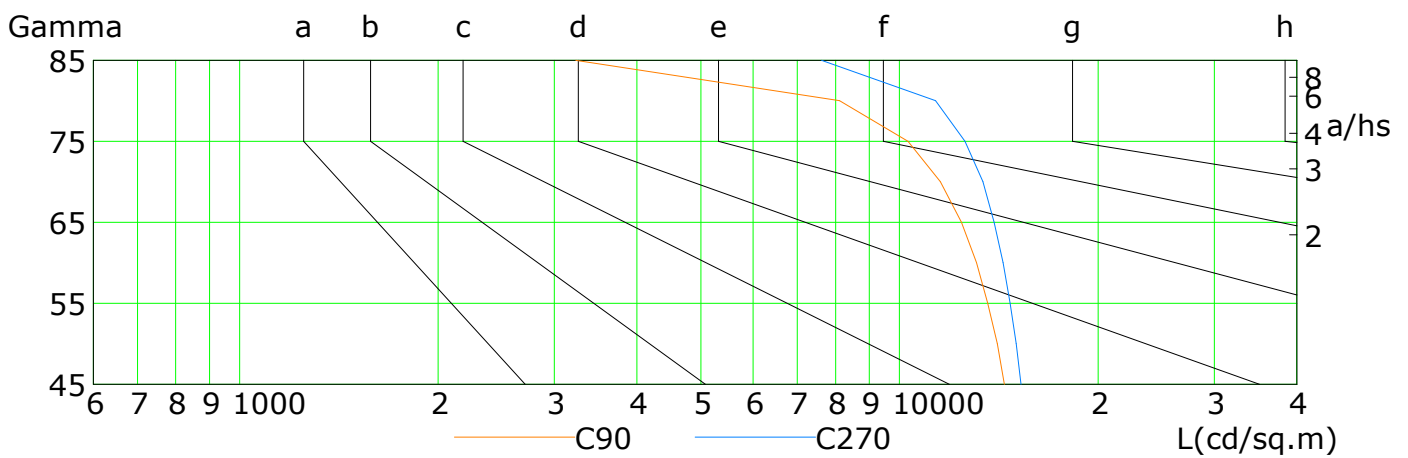
Humidity:

Inspector:

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	14949	14659	14326	13917	13412	12740	11907	10844	9333
C90	14419	14065	13600	13082	12409	11538	10302	8108	3233
C180	15115	14847	14564	14191	13728	13124	12795	12383	12054
C270	15274	15027	14705	14351	13917	13375	12565	11344	7620

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

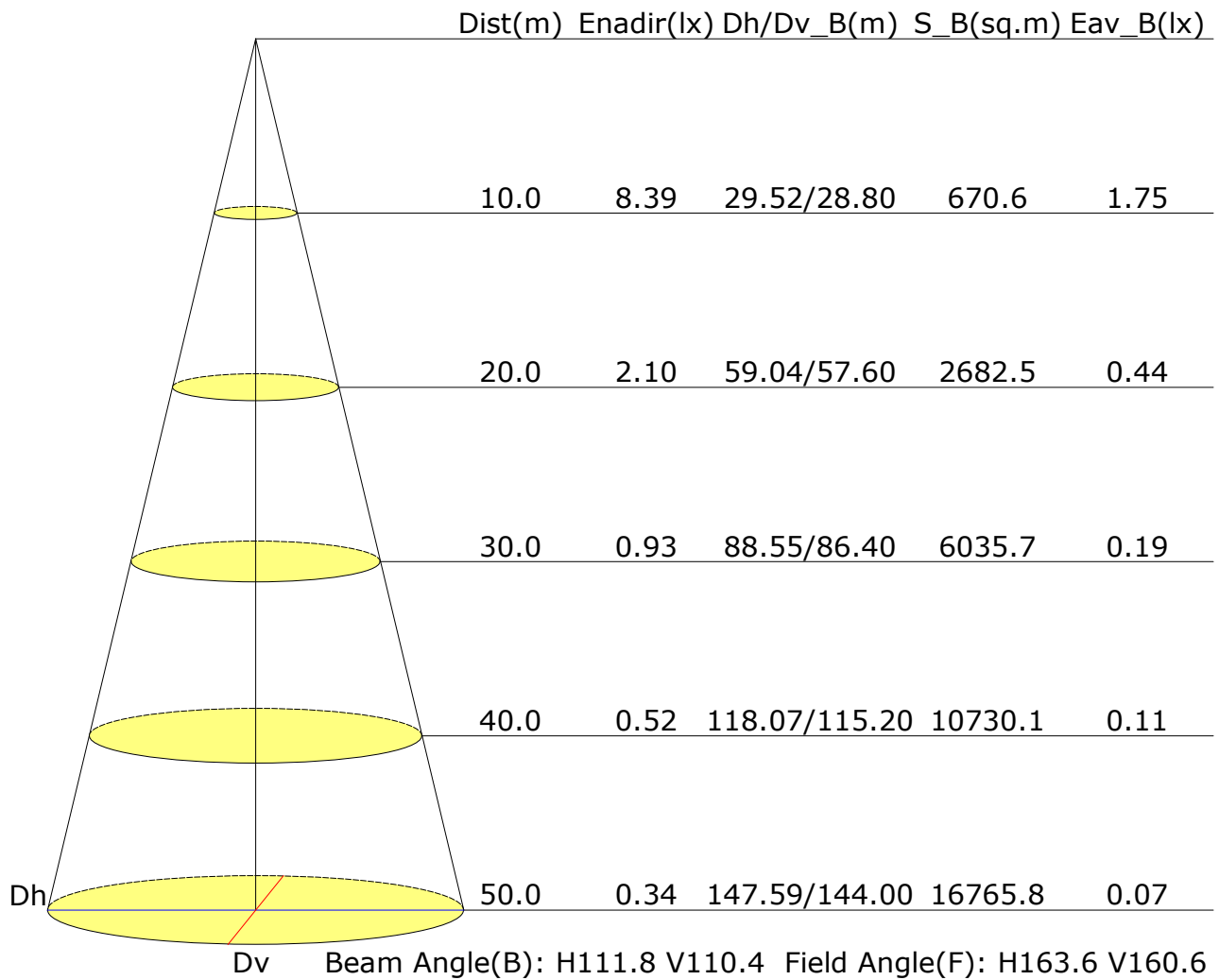
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

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: