

Report No.: 44

Test Time: 22.12.2017 16:03

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 4x30LED 0,6A 75W Refond 125-127,5Lm 5000K

Luminous Length (mm): 1545

Luminous Width (mm): 55

Voltage: 231.2 V

Current: 0.339 A

Power: 77.43 W

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Measurement Flux: 5924.2 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 5924.2 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.8, 160.4, 161.6, 161.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.4, 110.8, 111.4, 111.5

Luminaire Efficacy Rating (LER): 76.56

Central Intensity: 2090.02 cd

Max. Intensity: 2092.52 cd

Pos of Max. Intensity: H45 V0

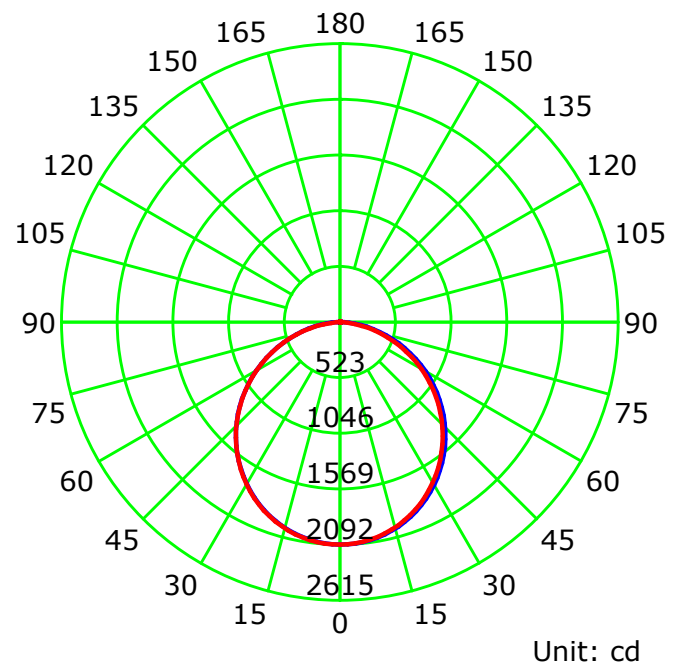
S/MH(C0/C180): 1.25

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

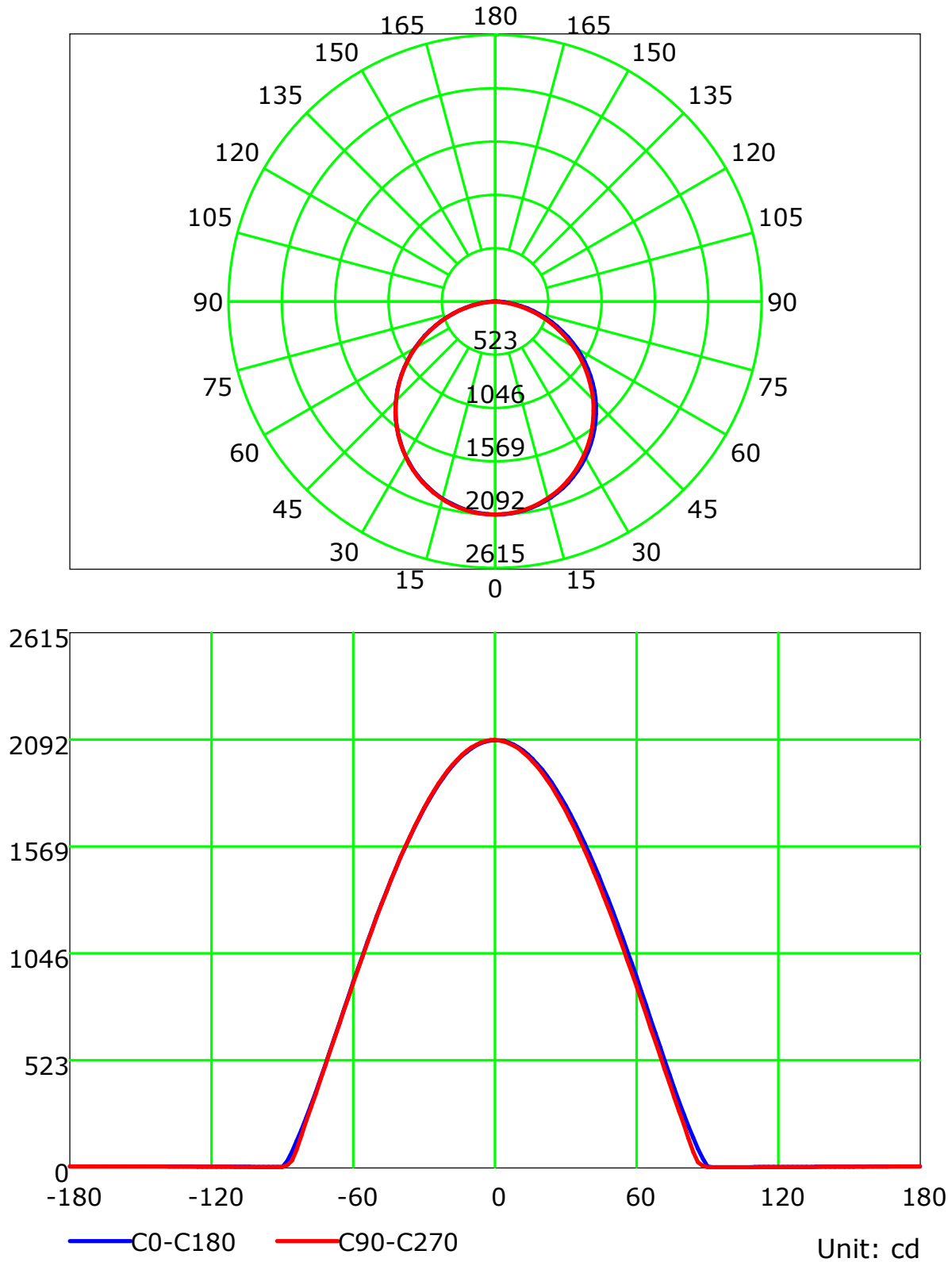
Test Device: LSG-1800B

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

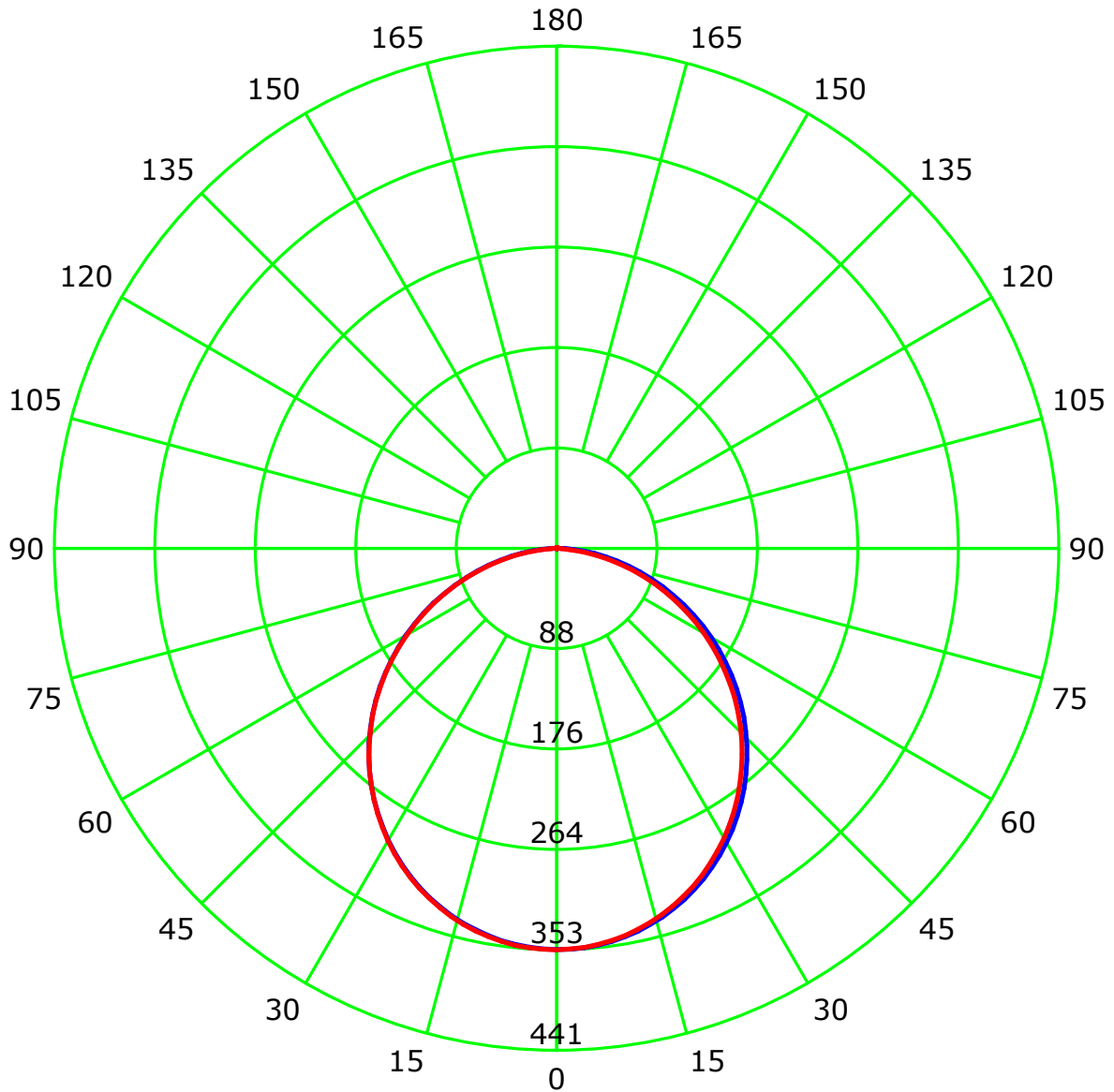
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



cd/klm

!Ç=100%

— C0-CFG 50 4x30LED 0,6A 75W Refond 125-127,5Lm 5000K

— 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

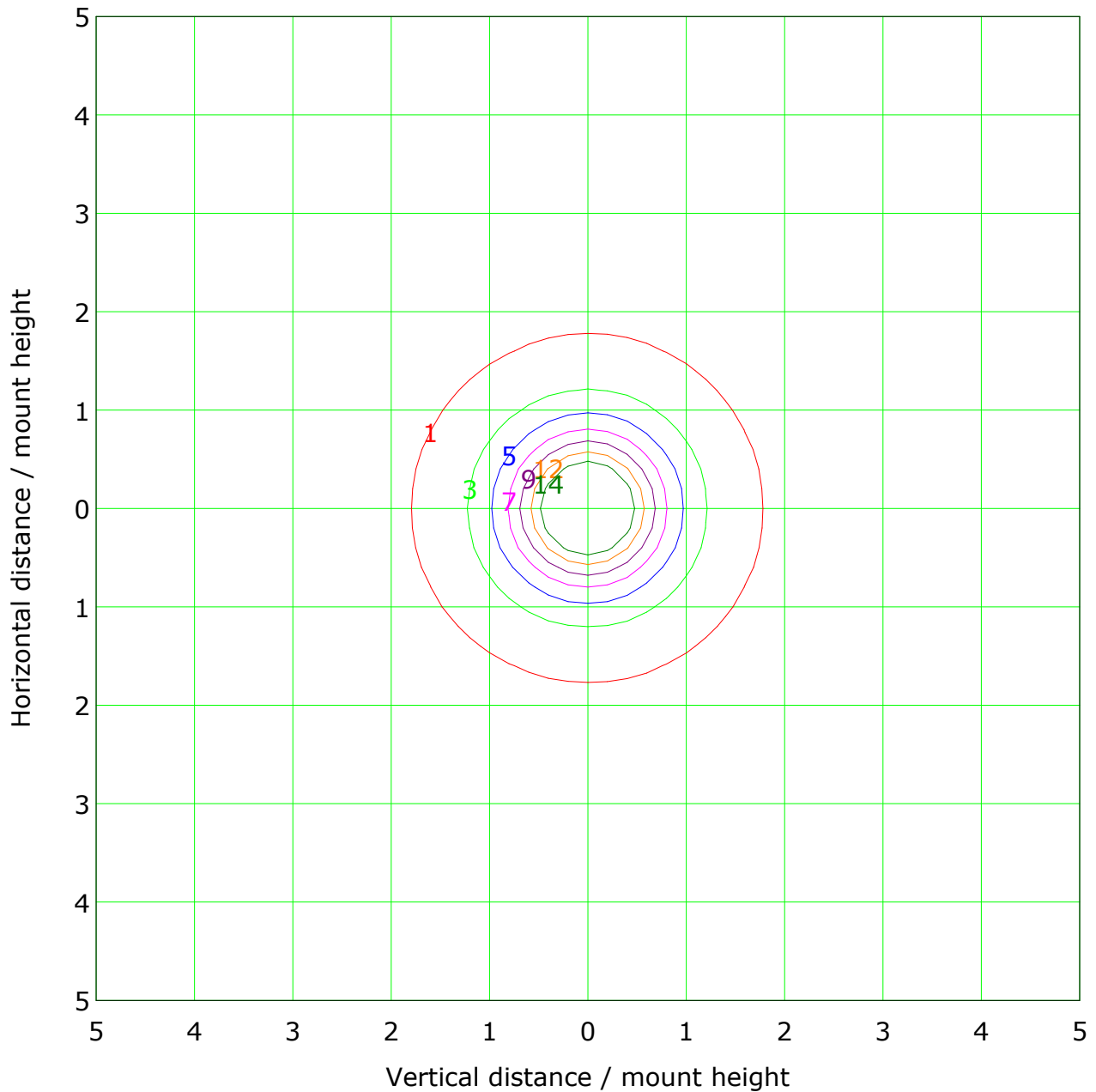
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



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

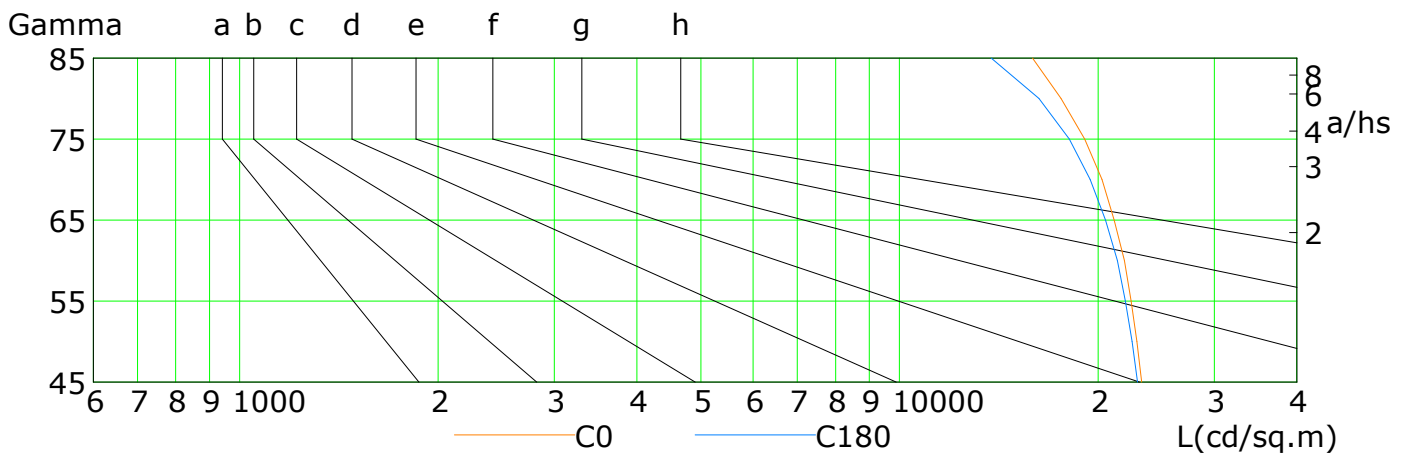
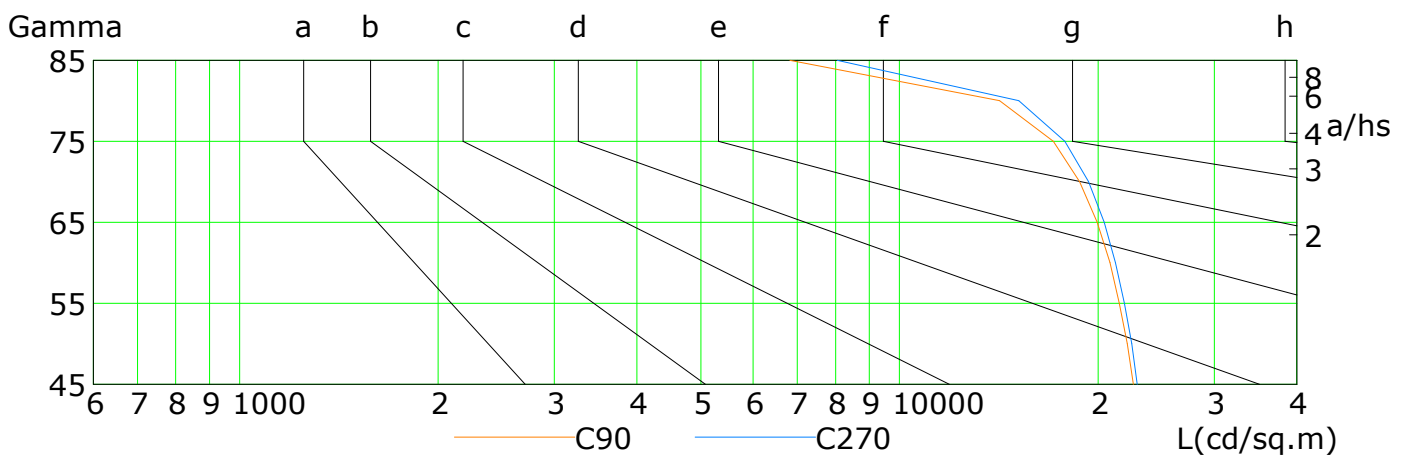
Humidity:

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	23270	22900	22452	21912	21161	20260	19092	17568	15911
C90	22627	22141	21539	20847	19925	18755	17100	14183	6819
C180	22944	22522	21983	21377	20524	19440	18095	16266	13781
C270	22924	22479	21913	21246	20425	19338	17806	15160	8053

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

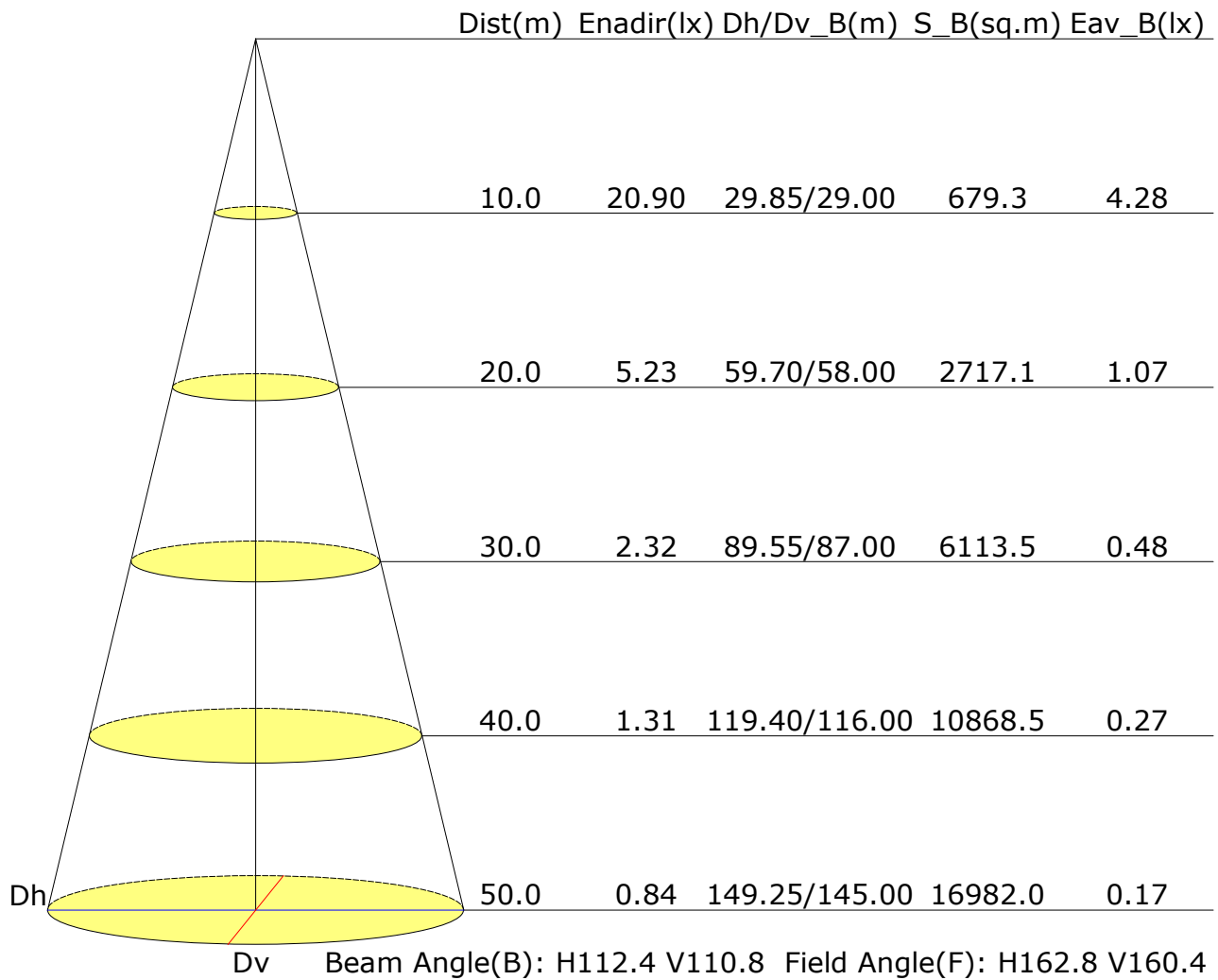
Test Device: LSG-1800B

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: