

Report No.: 6

Test Time: 06.12.2017 16:07

## Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FP 150 50W Refond 130-140Lm 5000K 40x90 Lense

Luminous Length (mm): 200

Luminous Width (mm): 118

Voltage: 231.6 V

Current: 0.213 A

Power: 48.40 W

Power Factor: 0.976

## Photometric Results

CIE Class: Direct

Measurement Flux: 5611.6 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 5611.6 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 123.8, 138.8, 140.7, 140.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.0, 117.8, 124.7, 124.0

Luminaire Efficacy Rating (LER): 115.99

Central Intensity: 915.95 cd

Max. Intensity: 2507.71 cd

Pos of Max. Intensity: H180 V38

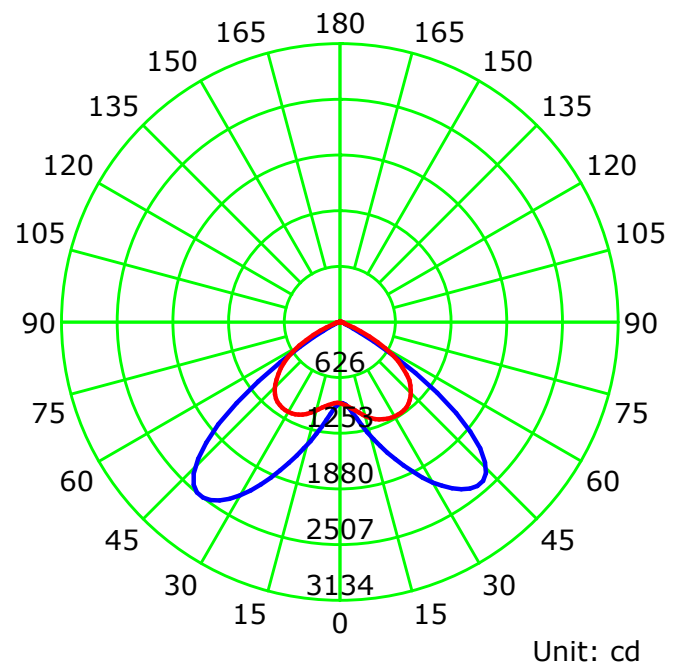
S/MH(C0/C180): 2.43

S/MH(C90/C270): 1.82

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

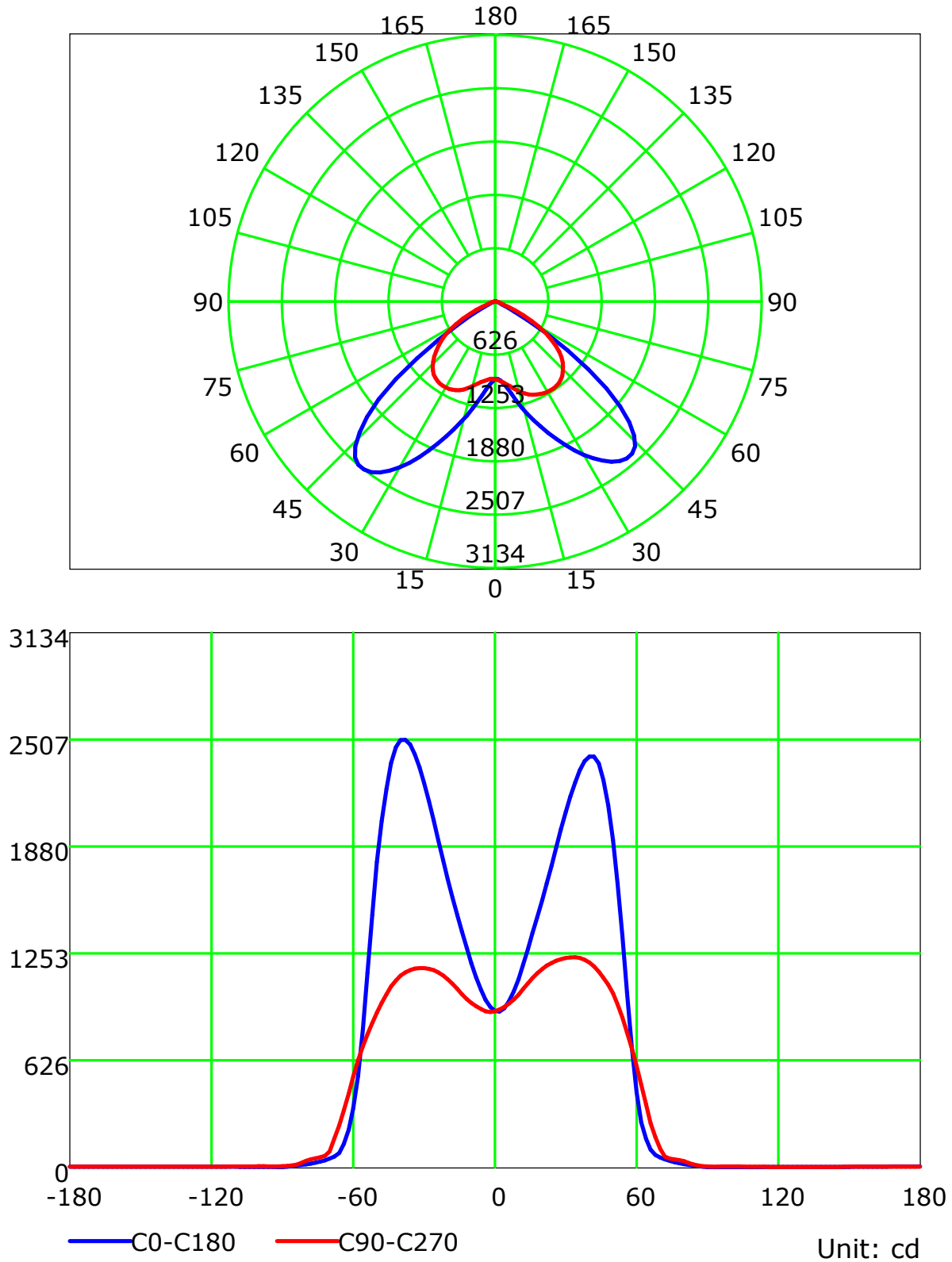
Test Device: LSG-1800B

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

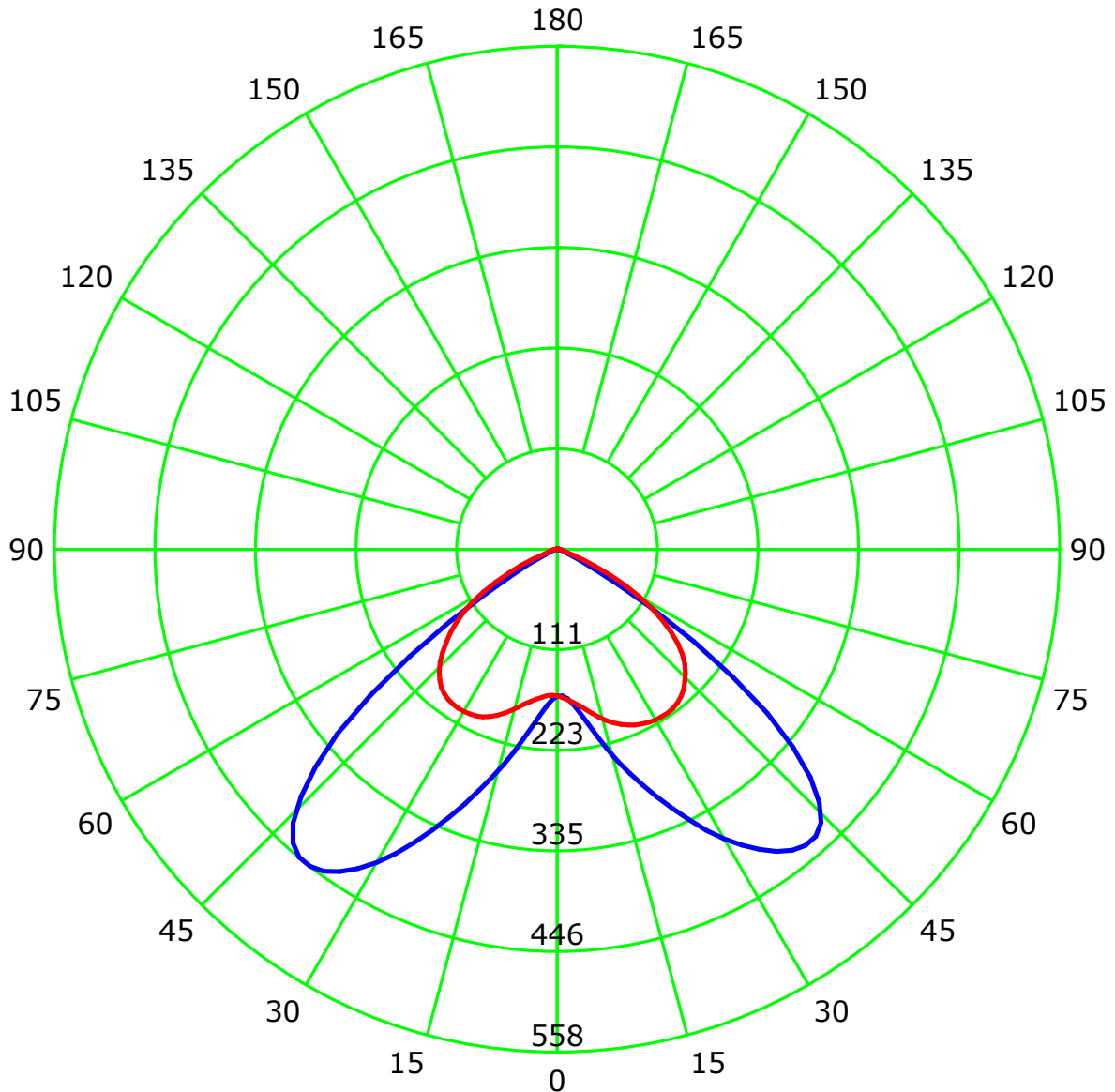
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



cd/klm

— C0-C18FP 150 50W Refond 130-140Lm 5000K 40x90 Lense  
 — C90-C270

|Ç=100%

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

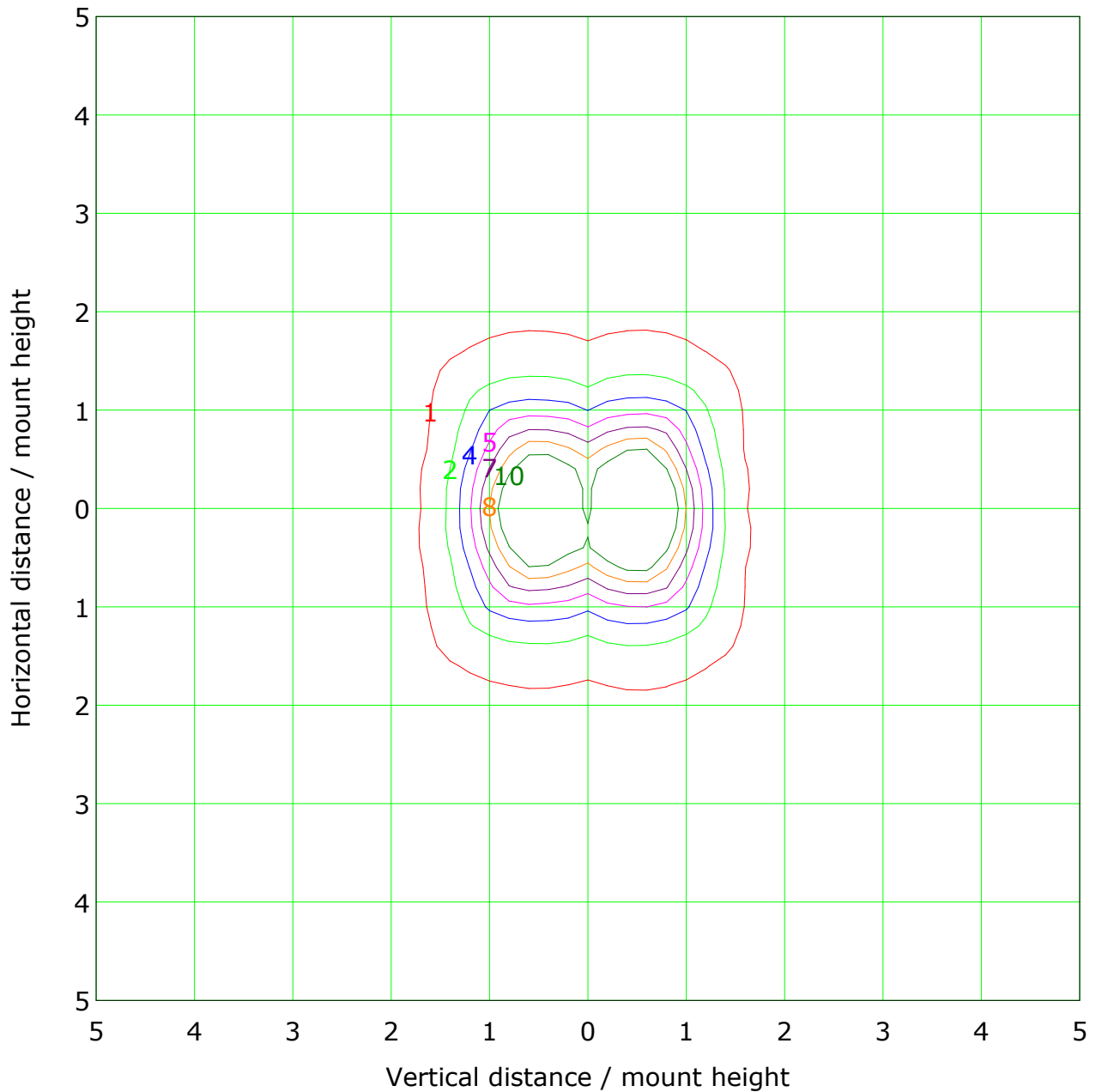
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 14.8 lx	
( 5%):	0.7 lx	( 15%):	2.2 lx
( 25%):	3.7 lx	( 35%):	5.2 lx
( 45%):	6.7 lx	( 55%):	8.1 lx
( 65%):	9.6 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

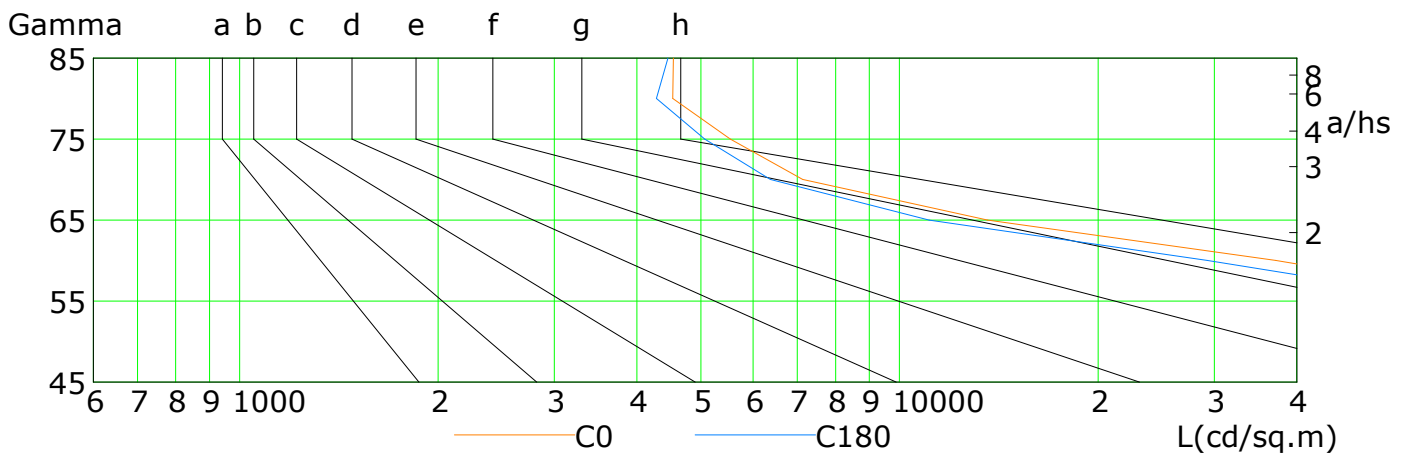
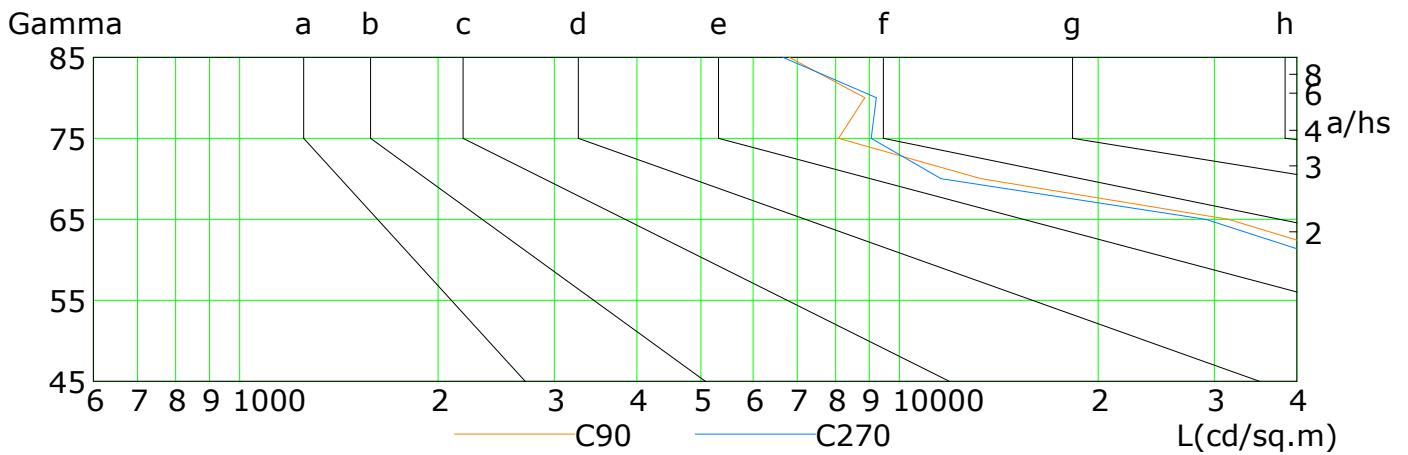
Humidity:

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	139050	126455	88017	37183	13599	7135	5543	4534	4546
C90	67663	67304	61654	50318	31524	13293	8083	8855	6809
C180	137557	118085	71980	29281	11086	6374	5069	4280	4458
C270	62207	59746	55033	45119	29107	11559	9063	9221	6656

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

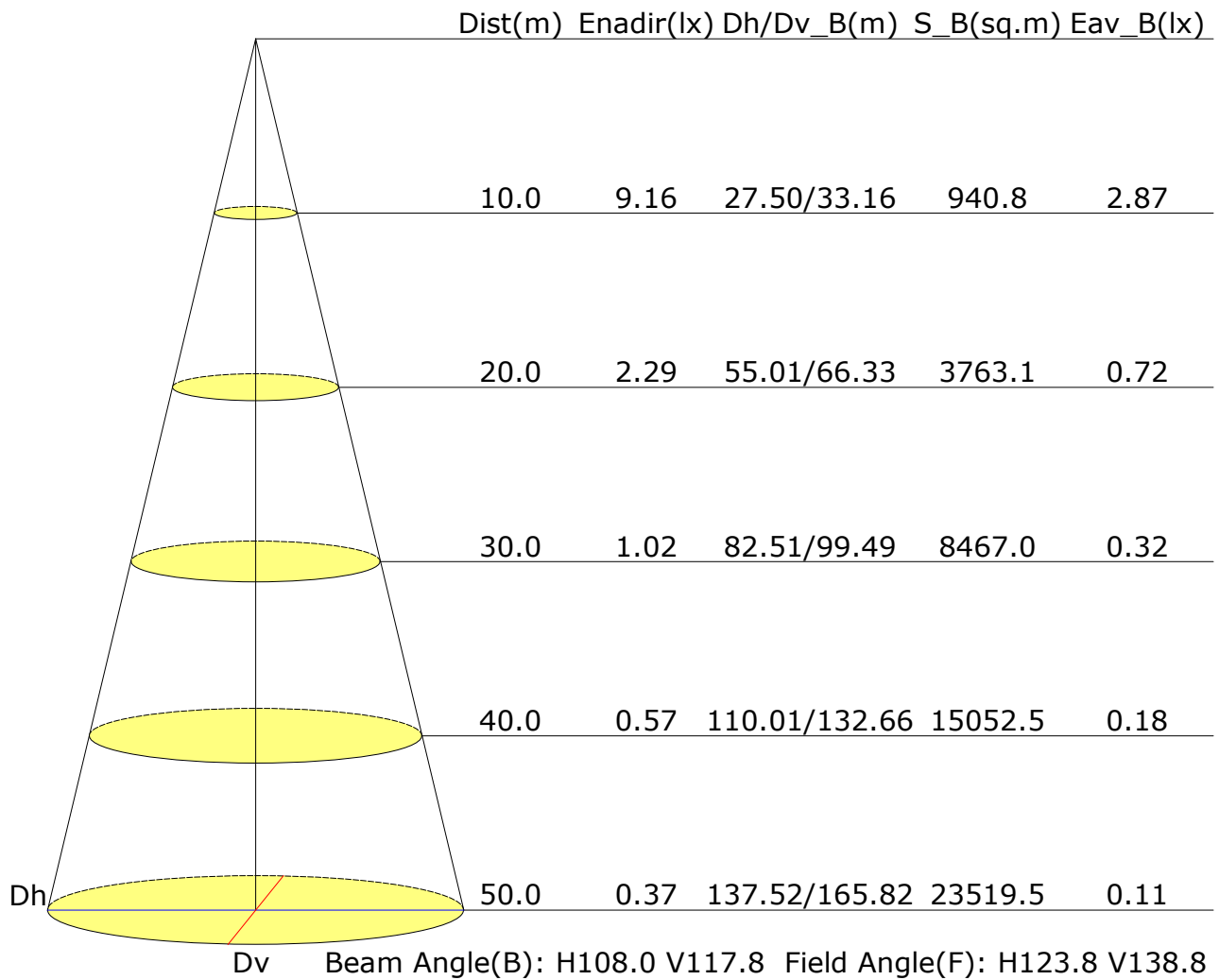
Test Device: LSG-1800B

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: