

Report No.: 1

Test Time: 01.09.2018 11:26

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: Pure aluminium 50W Sanan 2700-6500K

Lamp Description: LED

Luminous Width (mm): 150

Voltage: 221.5 V

Power: 50.12 W

Luminous Length (mm): 220

Luminous Height (mm): 20

Current: 0.236 A

Power Factor: 0.958

## Photometric Results

CIE Class: Direct

Measurement Flux: 3819.6 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.0, 149.0, 154.0, 153.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.2, 115.4, 116.2, 116.0

Luminaire Efficacy Rating (LER): 76.26

Max. Intensity: 1346.12 cd

S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 3819.6 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1345.59 cd

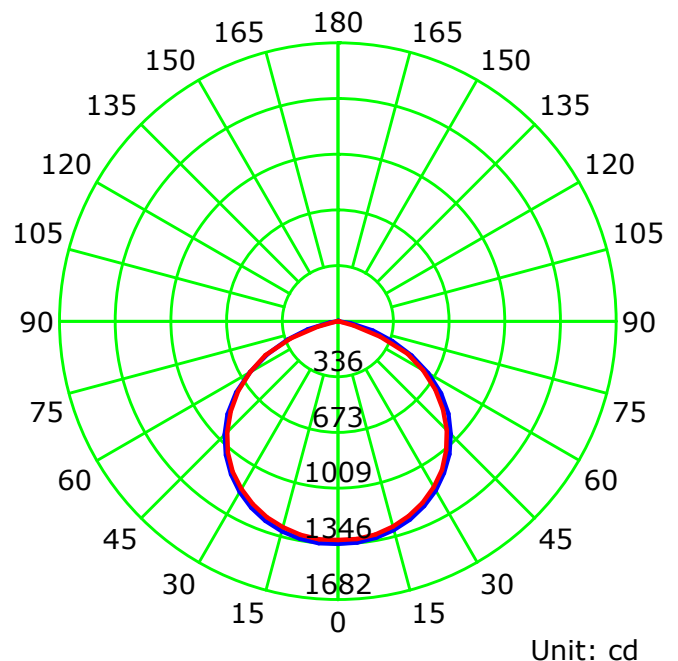
Pos of Max. Intensity: H180 V5

S/MH(C90/C270): 1.31

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 (°):0.0-180.0:5.0

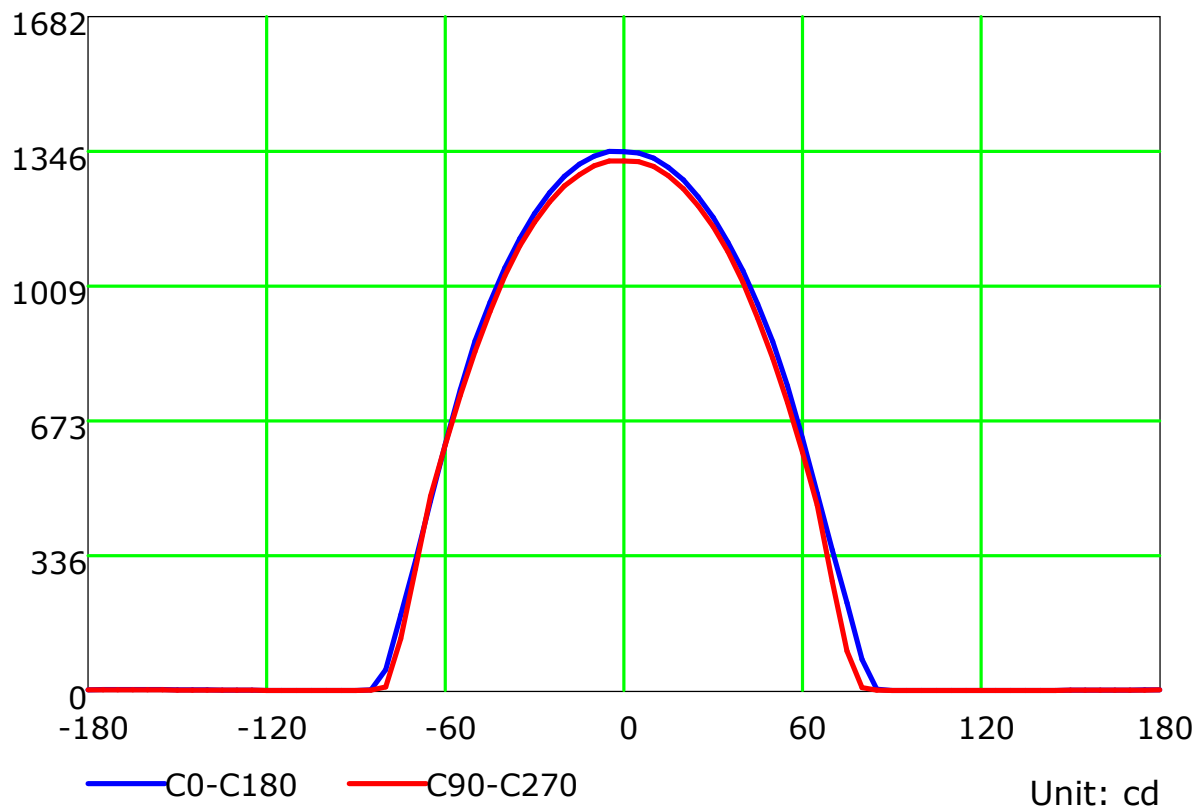
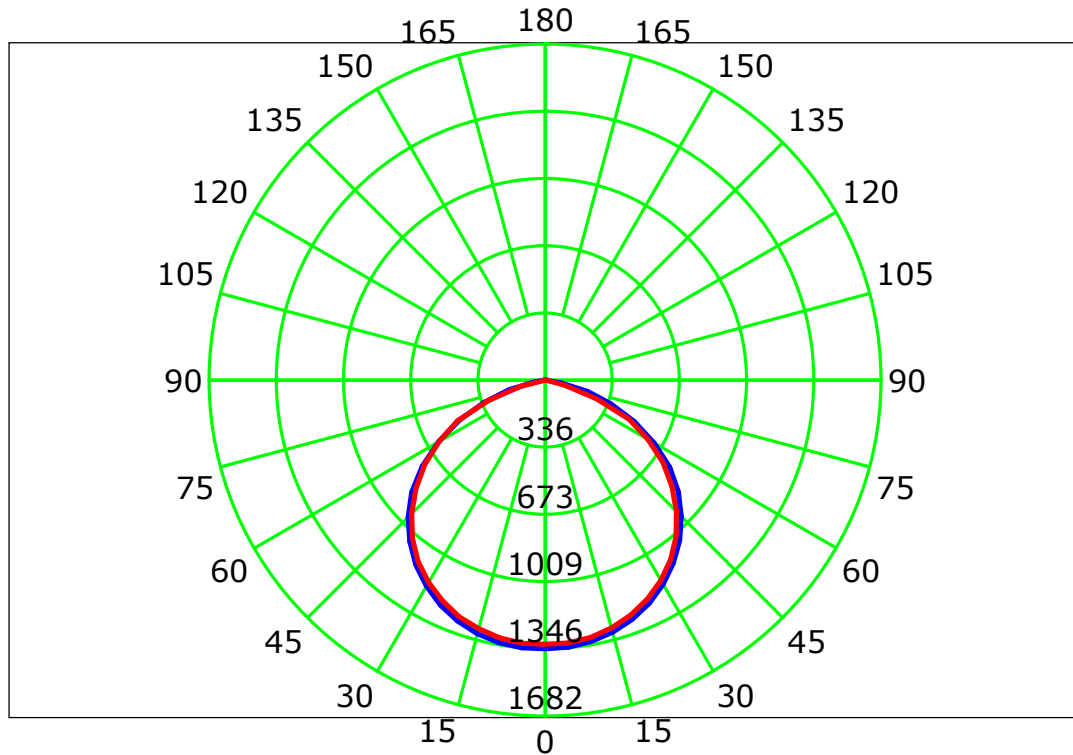
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:5.0

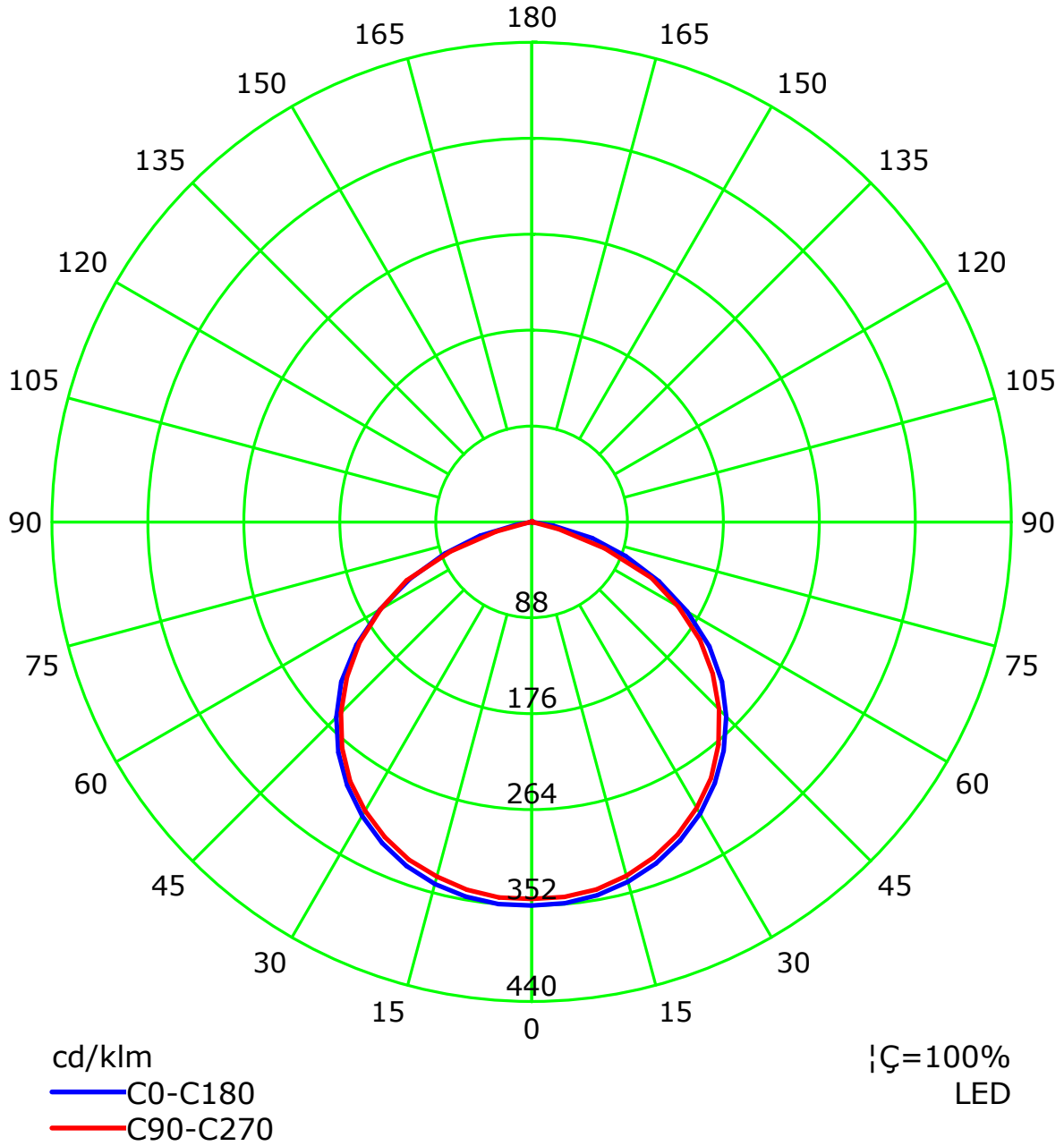
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:5.0

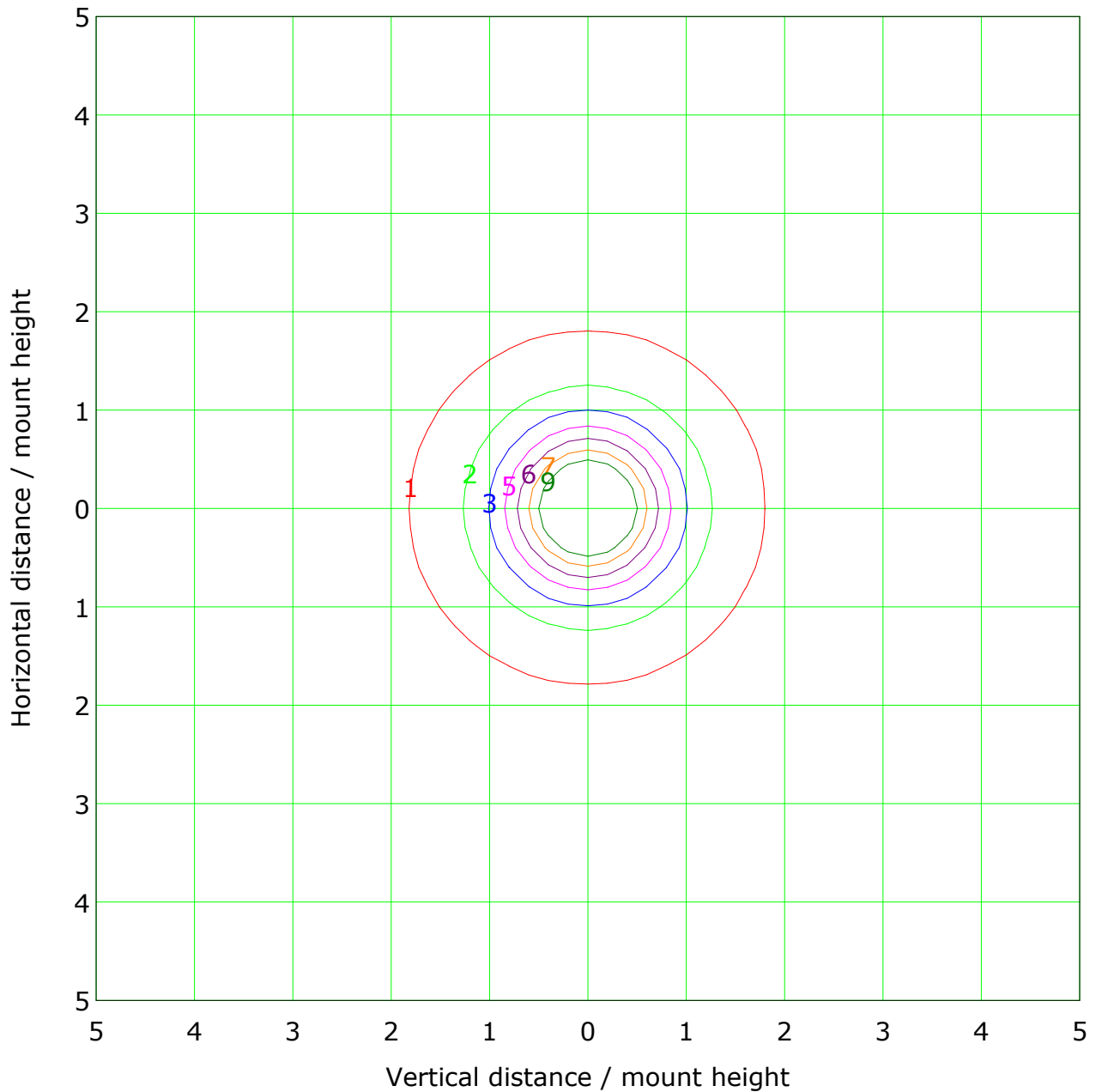
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 13.5 lx

( 5%): 0.7 lx	( 15%): 2.0 lx
( 25%): 3.4 lx	( 35%): 4.7 lx
( 45%): 6.1 lx	( 55%): 7.4 lx
( 65%): 8.7 lx	

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

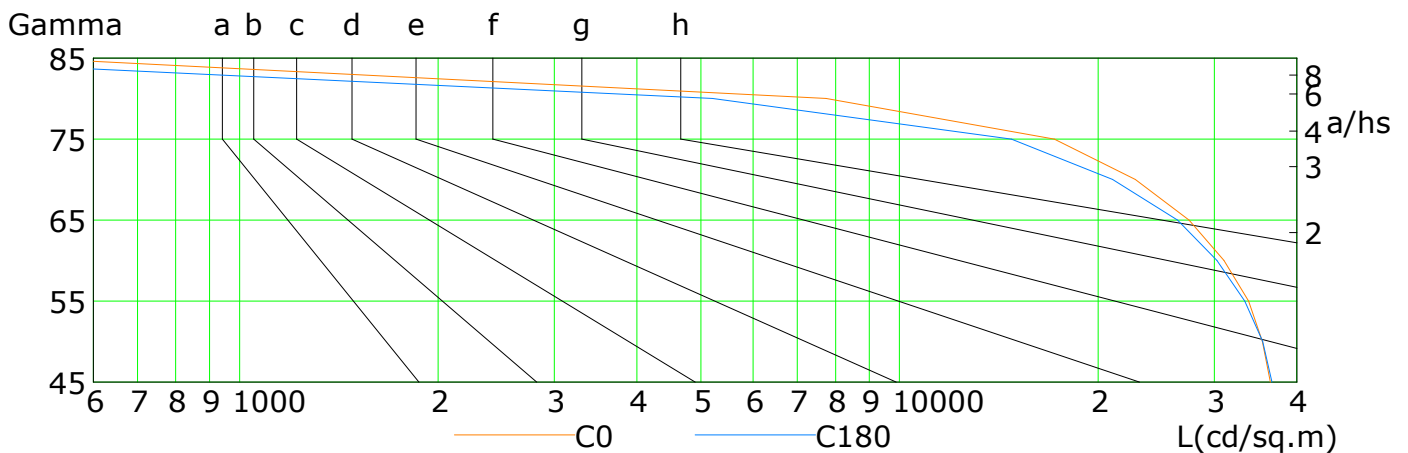
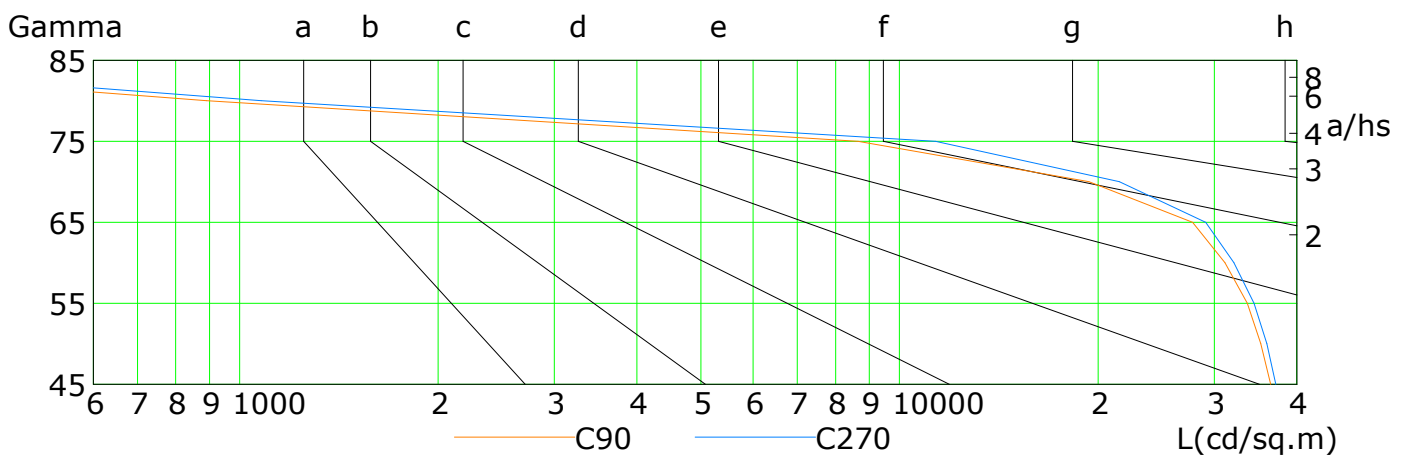
Humidity:

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	36491	35460	33798	31019	27479	22775	17170	7742	486
C90	36539	35295	33671	31143	27815	19363	8652	890	145
C180	36680	35524	33362	30287	26388	21035	14779	5204	273
C270	37186	36019	34470	32121	29122	21542	11339	1078	174

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

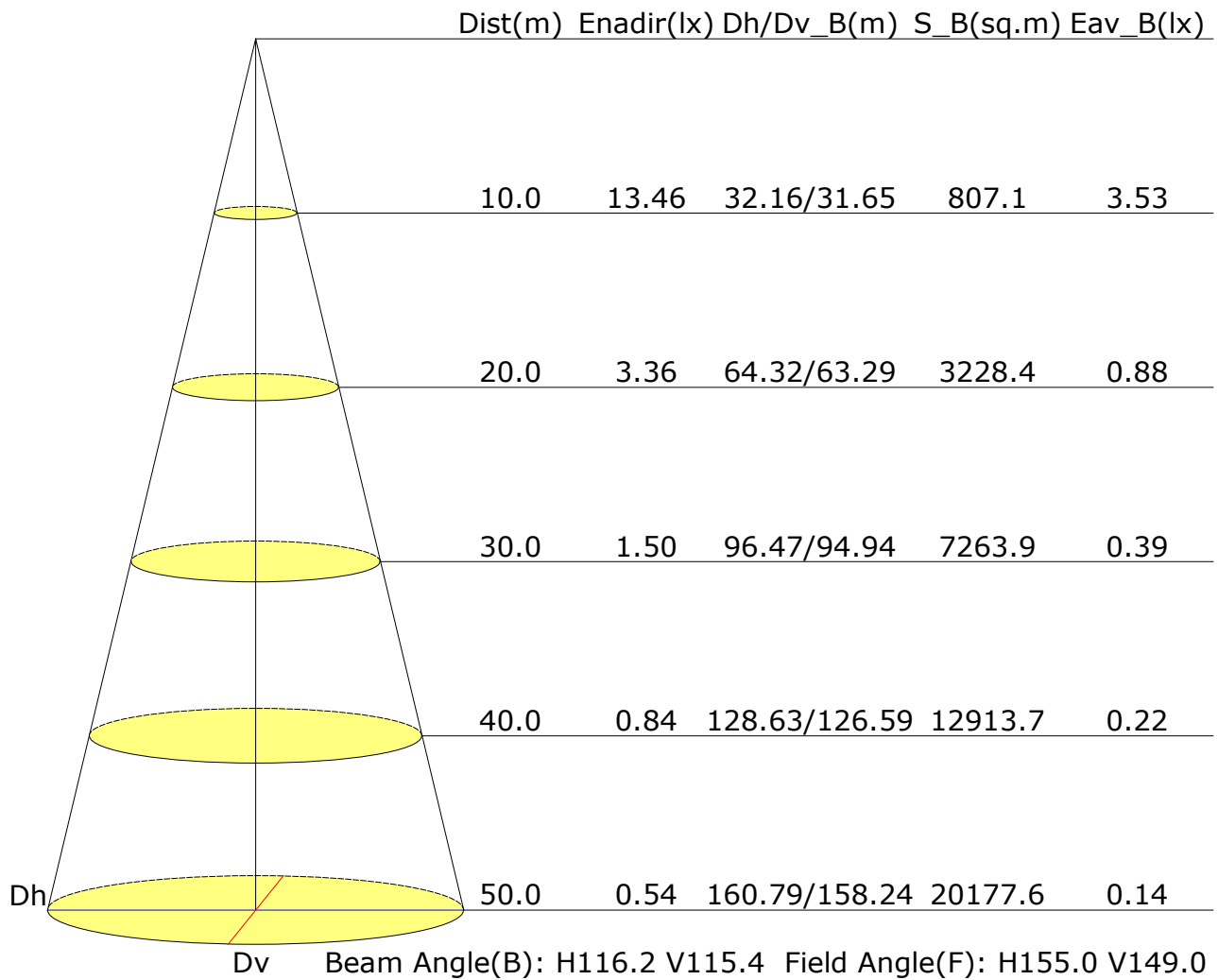
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: