

Report No.: 1

Test Time: 11.05.2018 18:49

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 2x60LED 0,39A 40W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 231.0 V

Power: 38.61 W

Luminous Length (mm): 1500

Luminous Height (mm): 64

Current: 0.174 A

Power Factor: 0.955

## Photometric Results

CIE Class: Direct

Measurement Flux: 4961 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.8, 157.2, 149.2, 149.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 81.8, 86.3, 79.6, 79.2

Luminaire Efficacy Rating (LER): 128.54

Max. Intensity: 2444.34 cd

S/MH(C0/C180): 1.17

Total Rated Lamp Lumens: 4961.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2400.24 cd

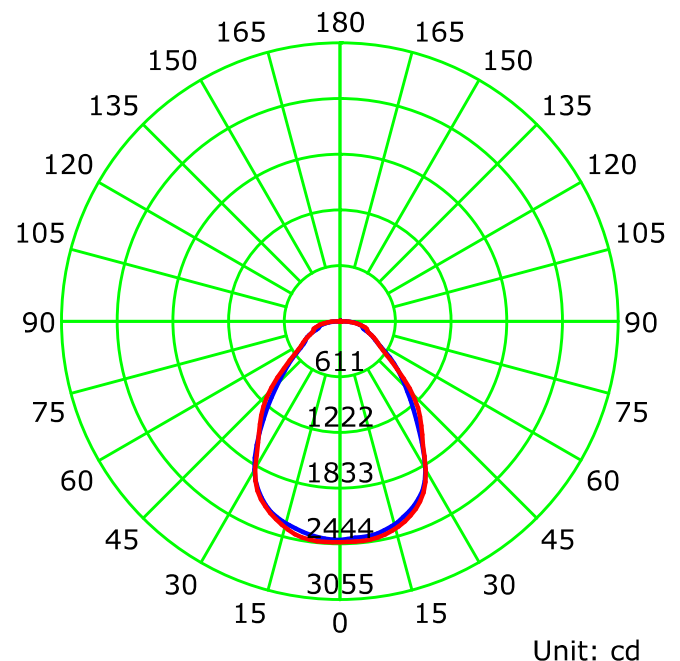
Pos of Max. Intensity: H135 V2

S/MH(C90/C270): 1.16

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

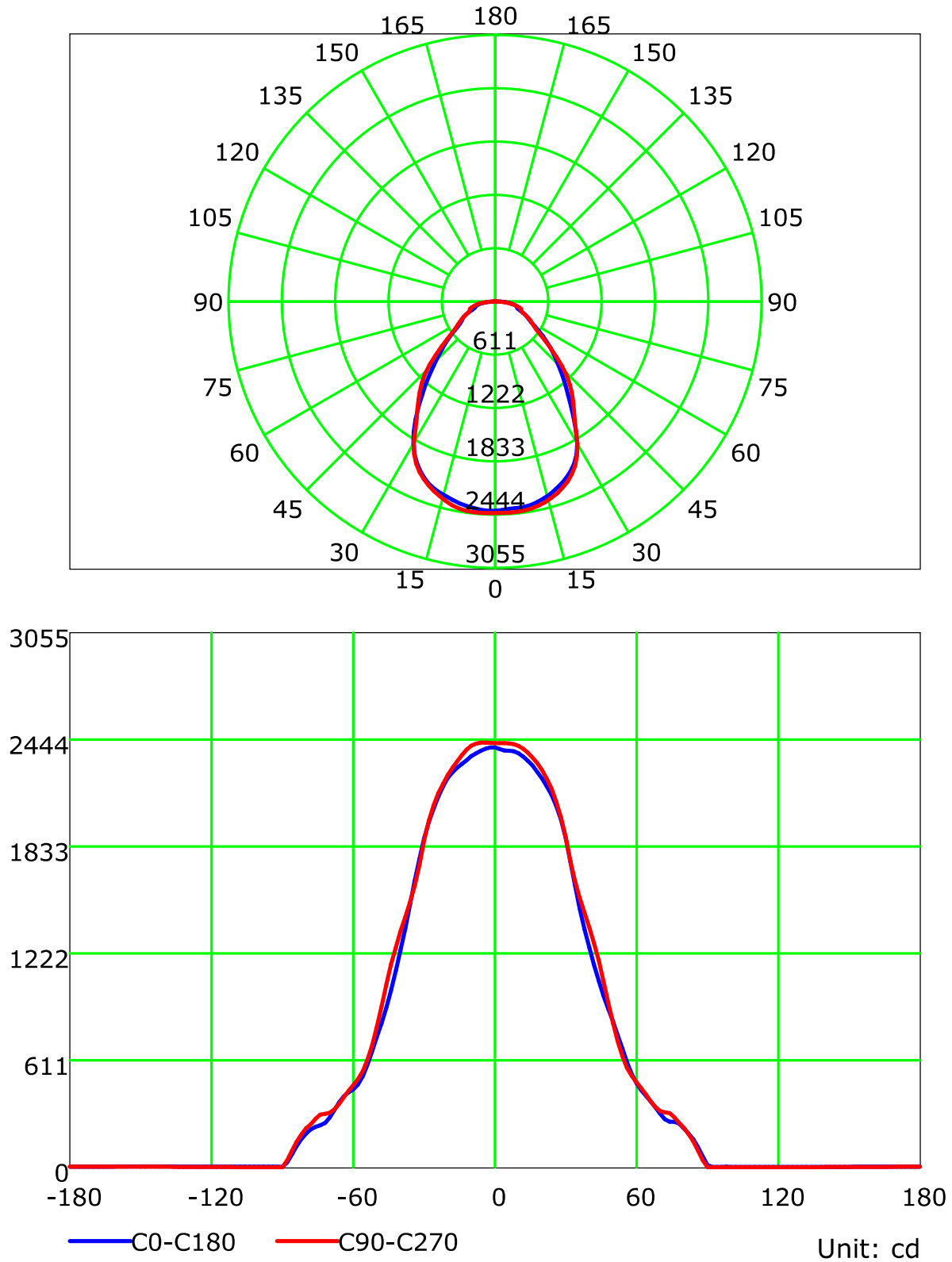
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:2.0

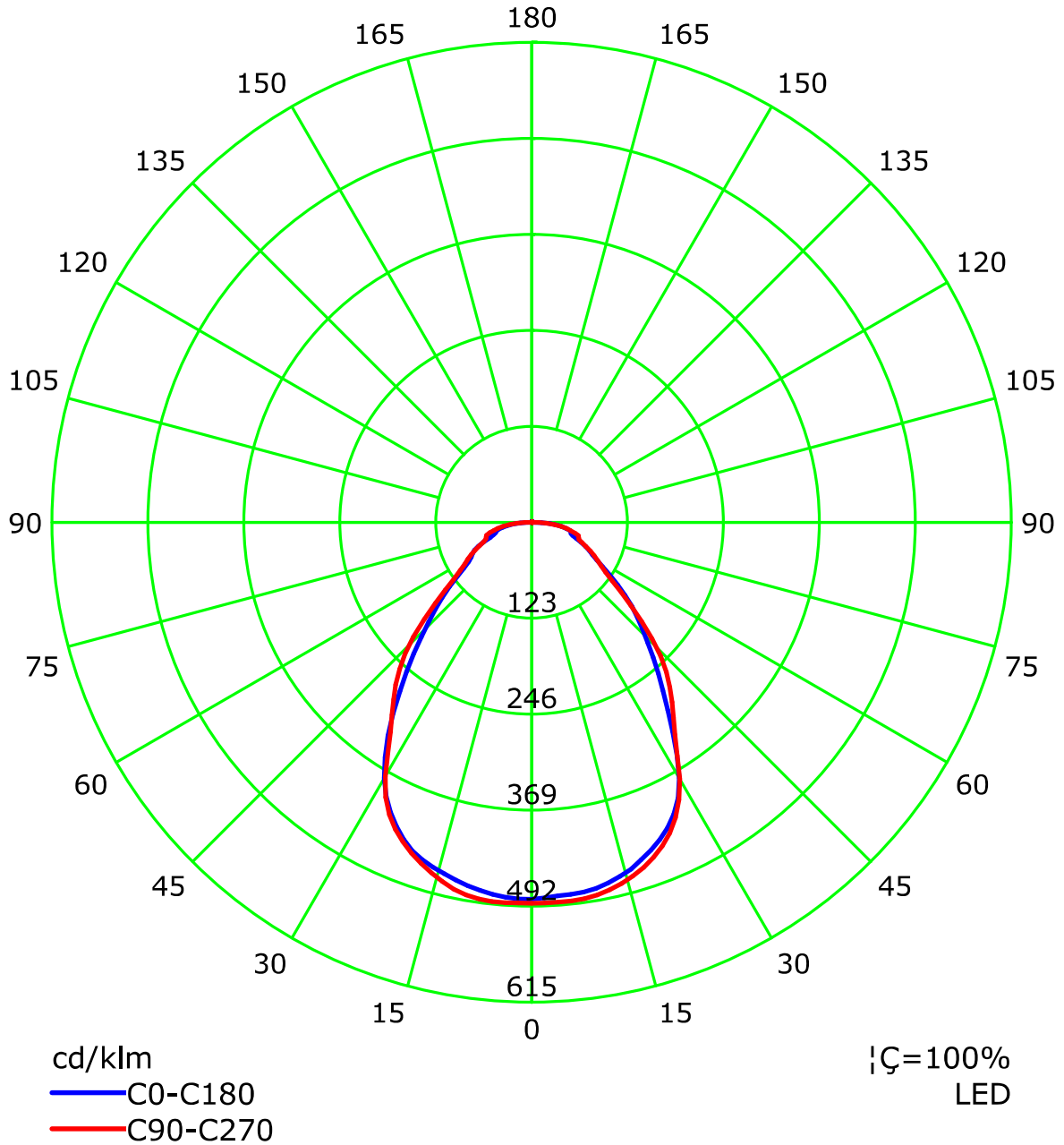
Test Device: LSG-1800B

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 (°):0.0-180.0:2.0

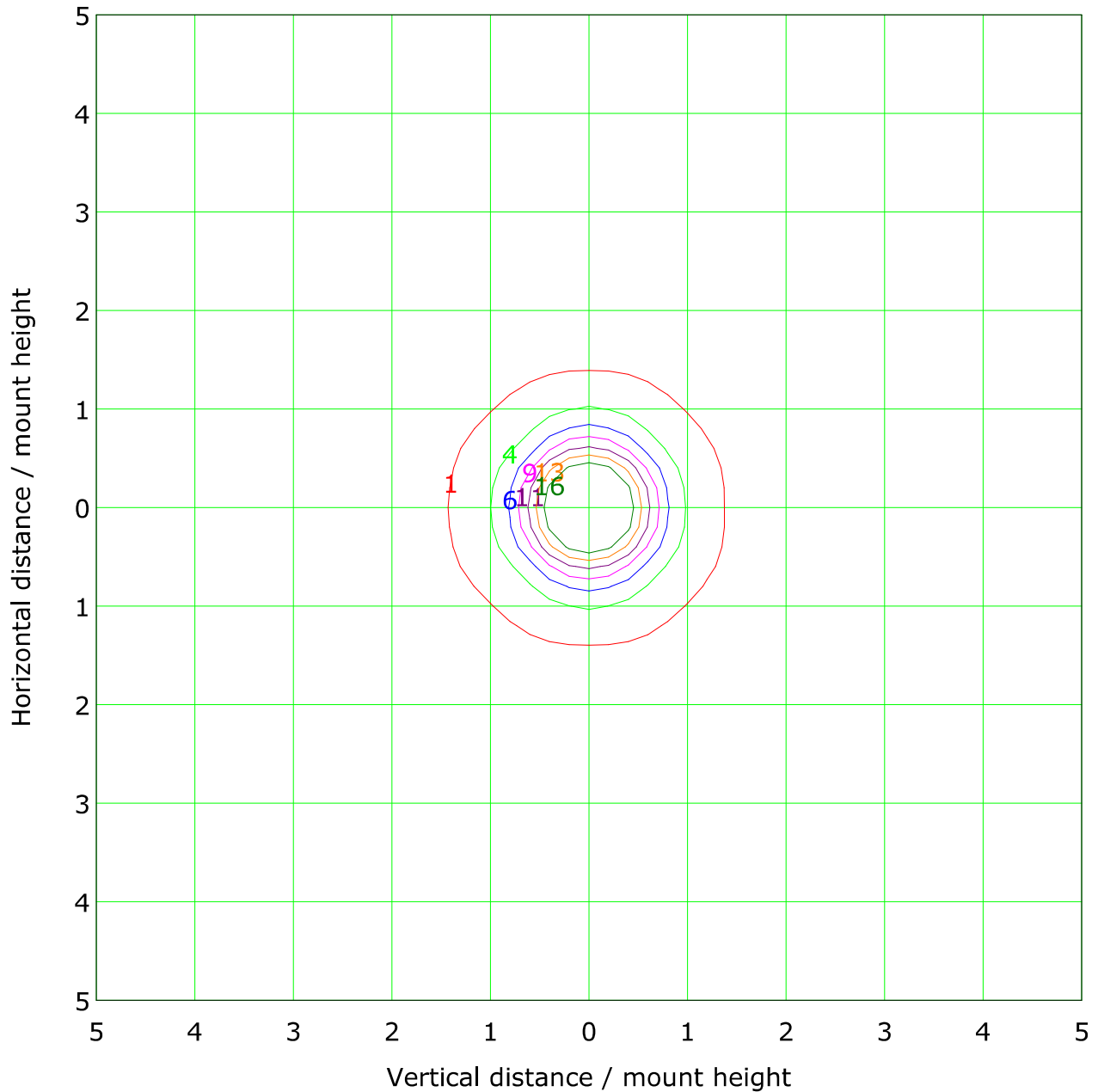
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 24.4 lx	
( 5%): 1.2 lx	( 15%): 3.7 lx
( 25%): 6.1 lx	( 35%): 8.5 lx
( 45%): 11.0 lx	( 55%): 13.4 lx
( 65%): 15.9 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: 12.654 m

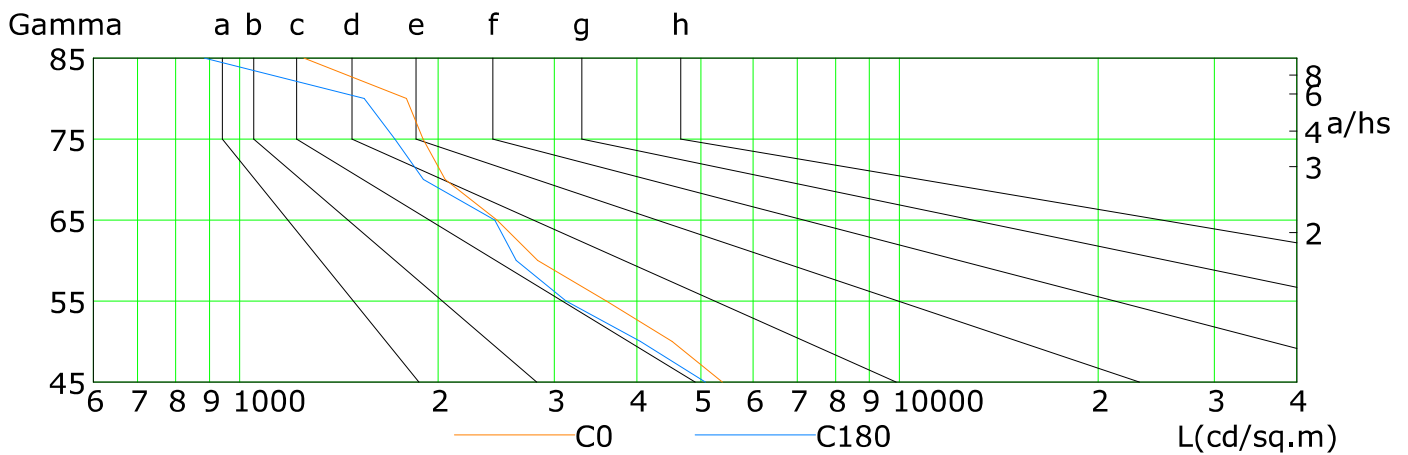
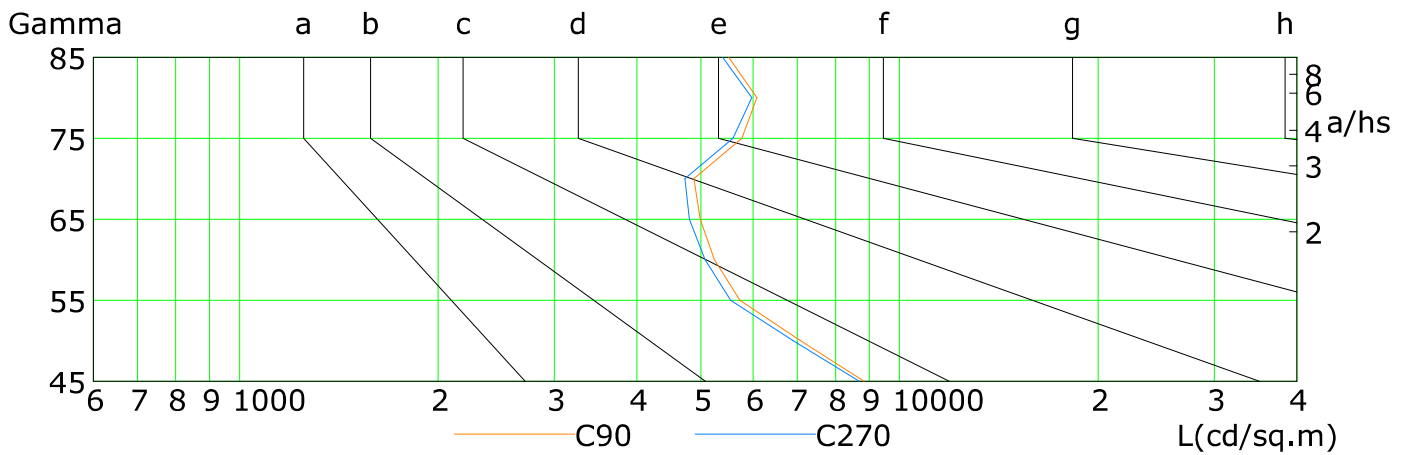
Humidity:

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	5393	4524	3599	2830	2456	2049	1897	1789	1252
C90	8841	7077	5734	5239	4990	4878	5770	6081	5511
C180	5078	4047	3124	2626	2435	1898	1719	1545	885
C270	8690	6897	5549	5073	4802	4732	5593	5971	5397

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

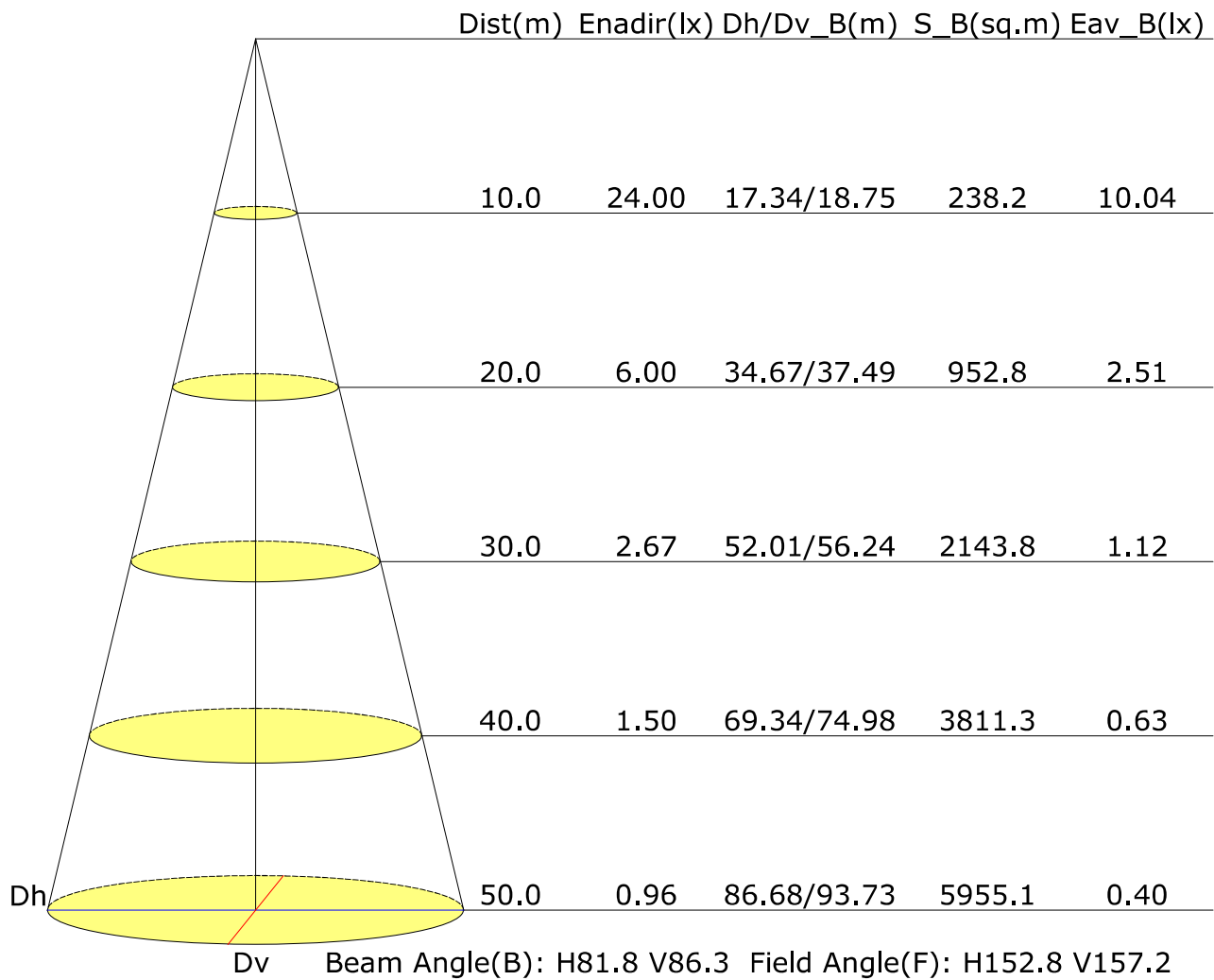
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: