

Report No.: 1

Test Time: 25.05.2018 16:31

## Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FI 135 4x40LED 0,35A 44W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Length (mm): 1280

Luminous Width (mm): 135

Luminous Height (mm): 100

Voltage: 230.8 V

Current: 0.190 A

Power: 43.18 W

Power Factor: 0.979

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5781.0 lm

Measurement Flux: 5781 lm

Efficiency: 100%

Downward Ratio: 95%

Upward Ratio: 5%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.8, 194.1, 184.1, 181.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 104.0, 118.2, 113.6, 112.5

Luminaire Efficacy Rating (LER): 133.93

Central Intensity: 1795.43 cd

Max. Intensity: 1868.92 cd

Pos of Max. Intensity: H90 V5

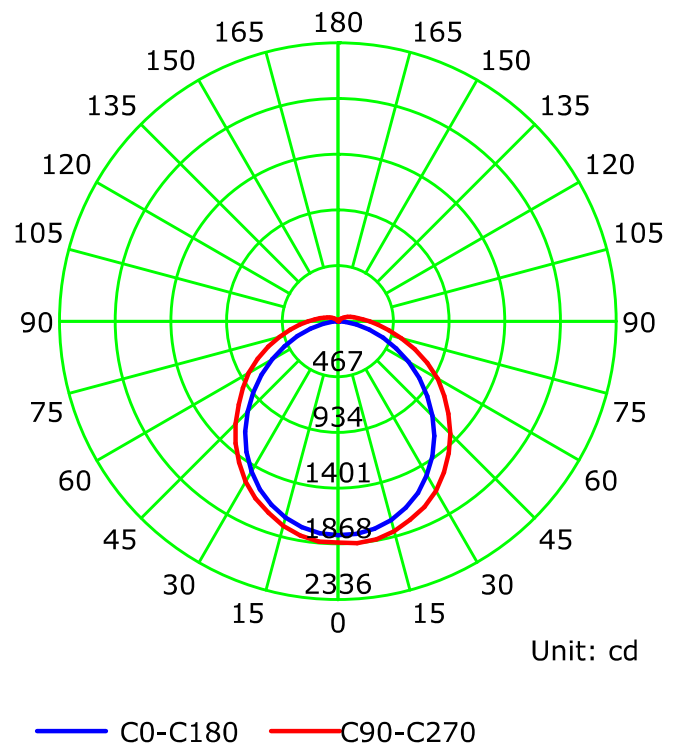
S/MH(C0/C180): 1.22

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:5.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

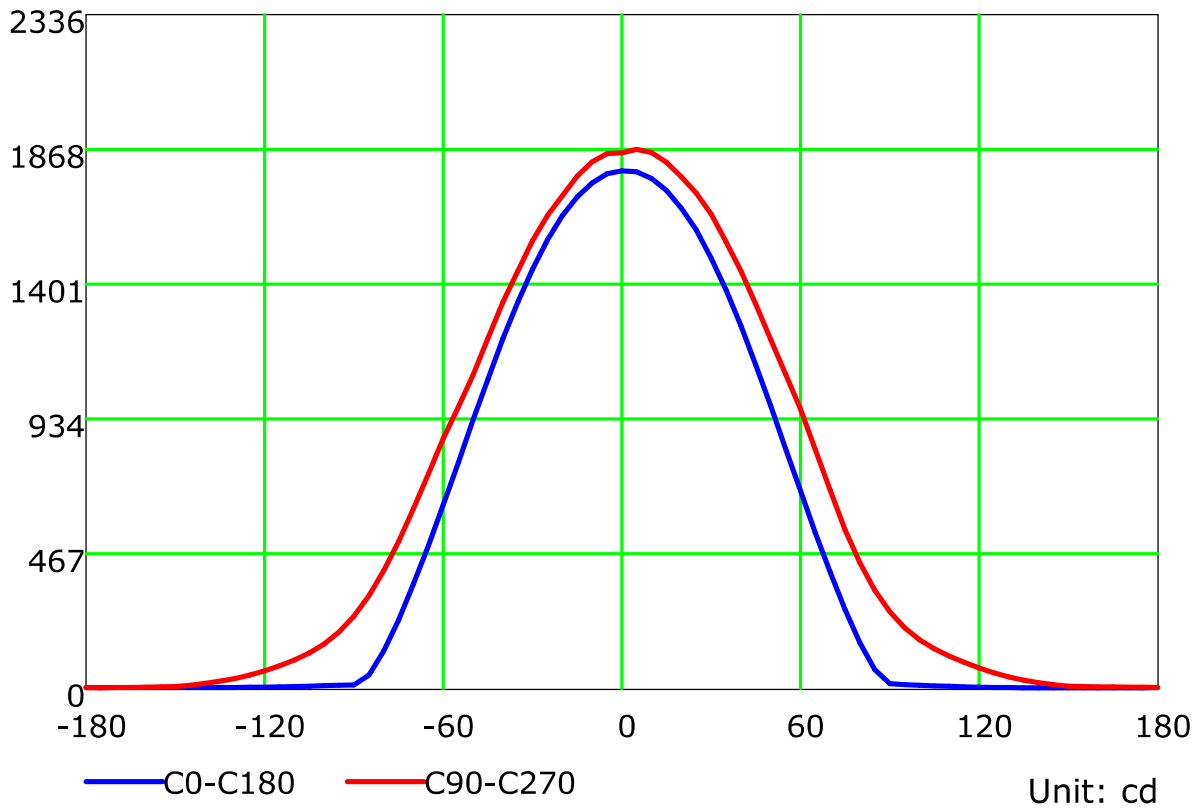
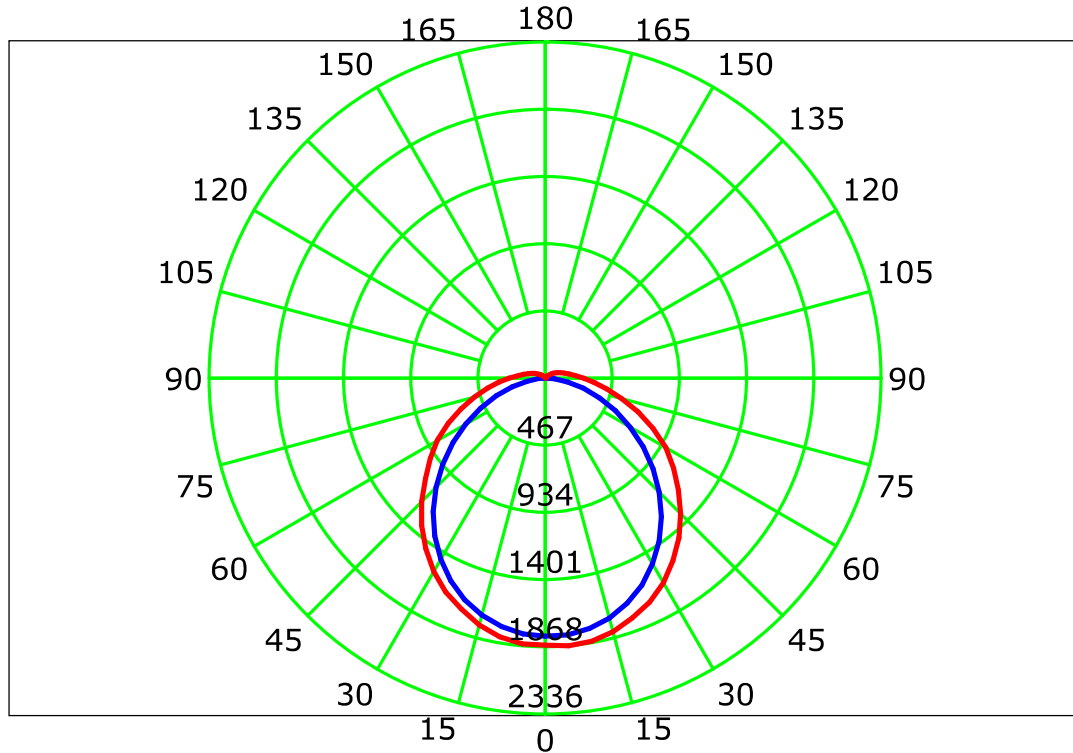
Temperature:

Humidity:

Operator:

Inspector:

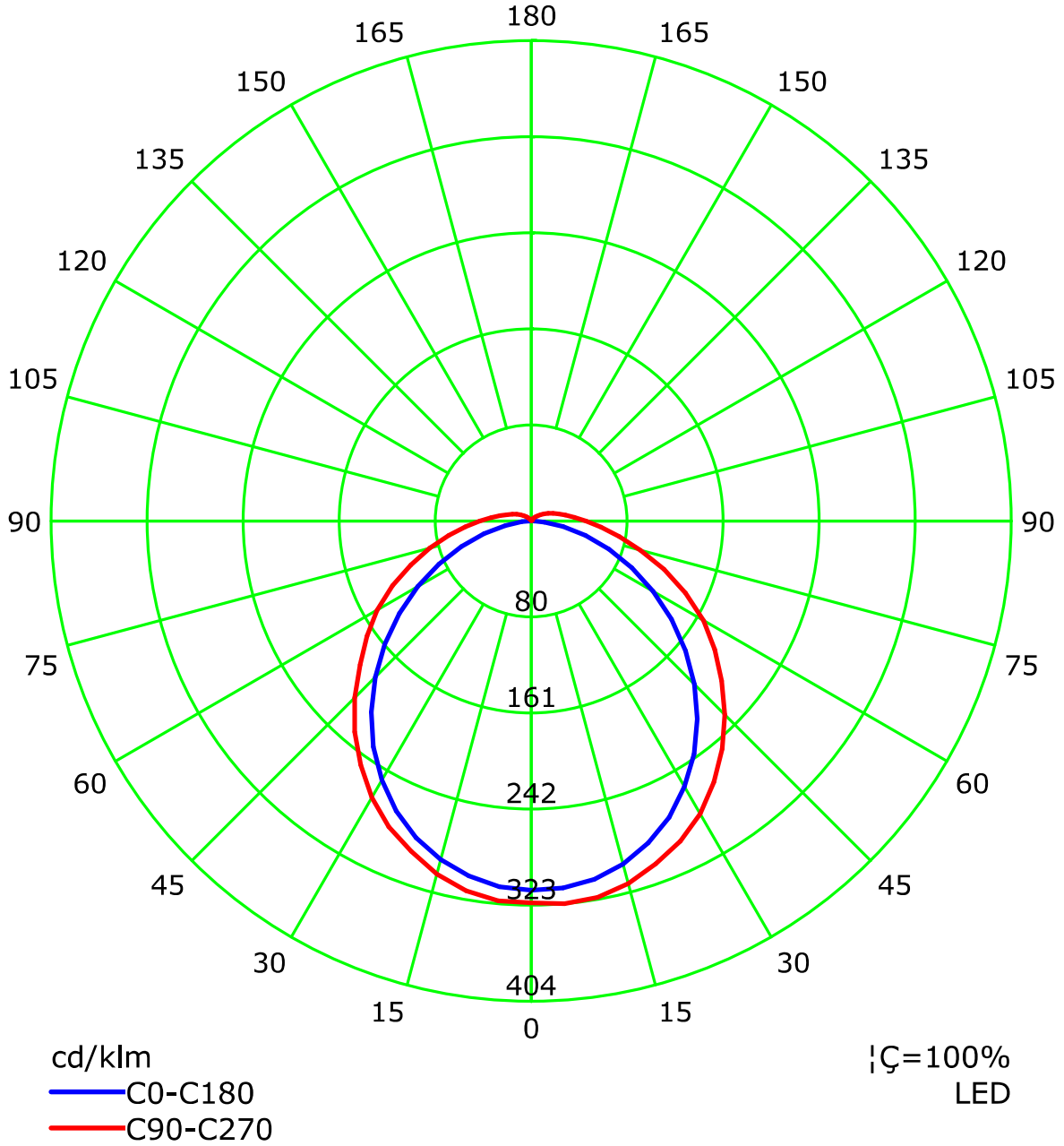
## Luminous Intensity Distribution Curve



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

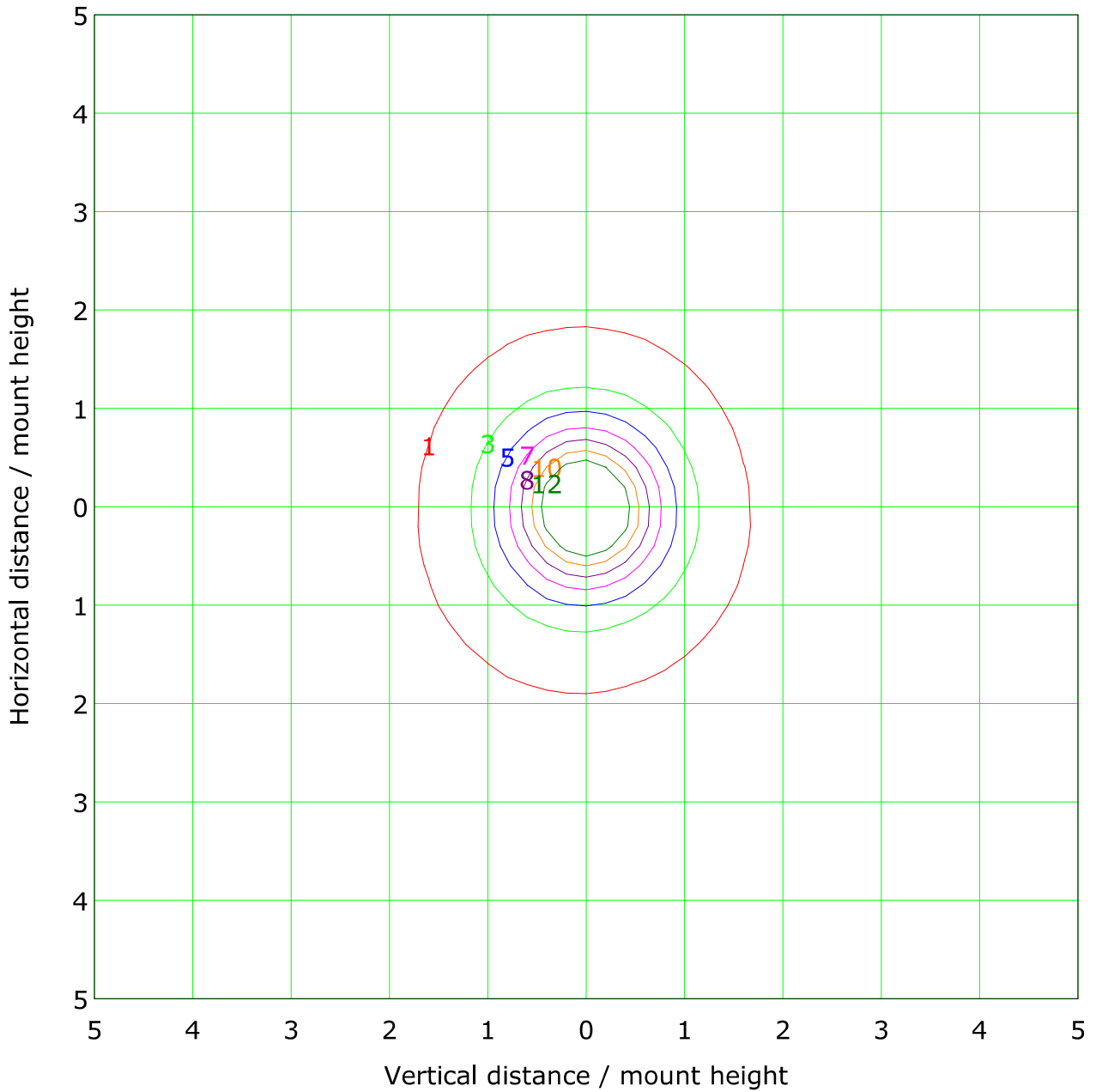
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

# IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 18.6 lx	
— ( 5%):	0.9 lx	— ( 15%):	2.8 lx
— ( 25%):	4.6 lx	— ( 35%):	6.5 lx
— ( 45%):	8.4 lx	— ( 55%):	10.2 lx
— ( 65%):	12.1 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

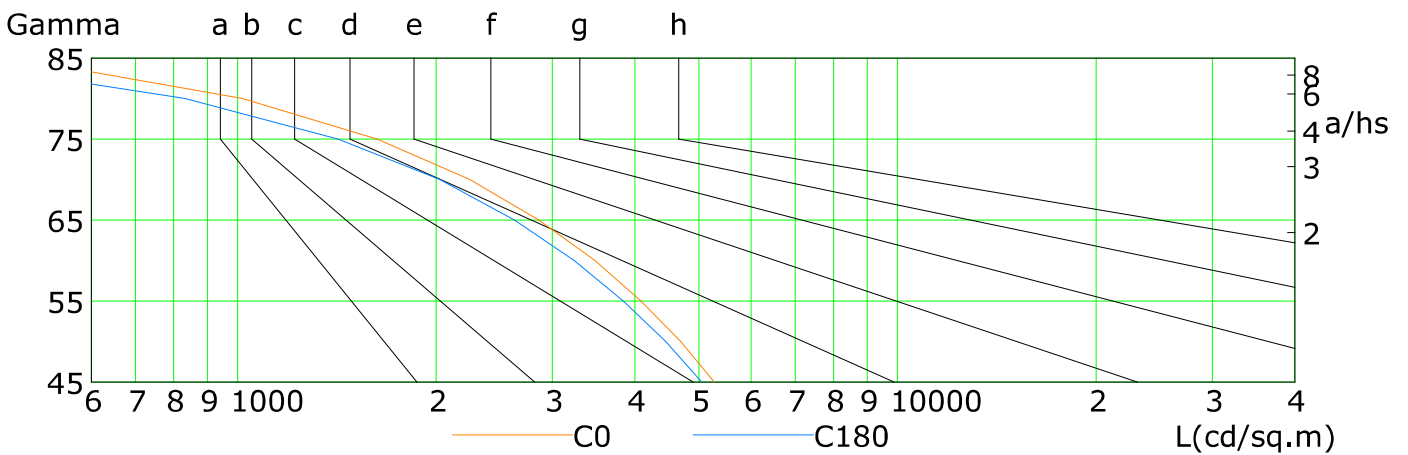
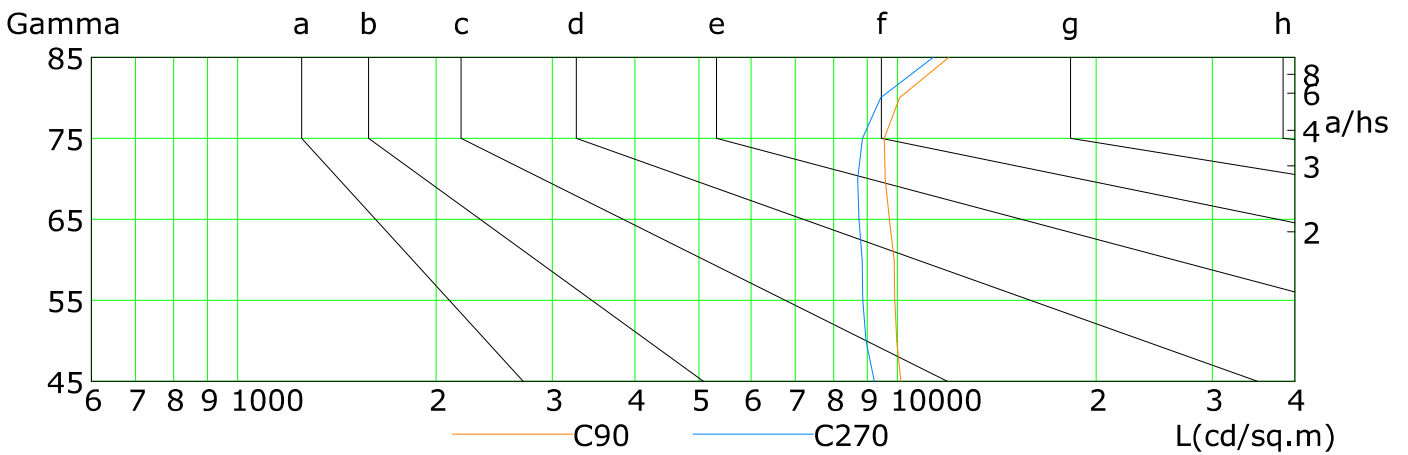
Humidity:

Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	5279	4690	4084	3477	2862	2249	1628	1016	459
C90	10121	9971	9902	9883	9725	9583	9545	10071	11960
C180	5051	4455	3841	3234	2627	2023	1421	832	334
C270	9227	8957	8864	8844	8740	8700	8849	9433	11327

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Test Lab:

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Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

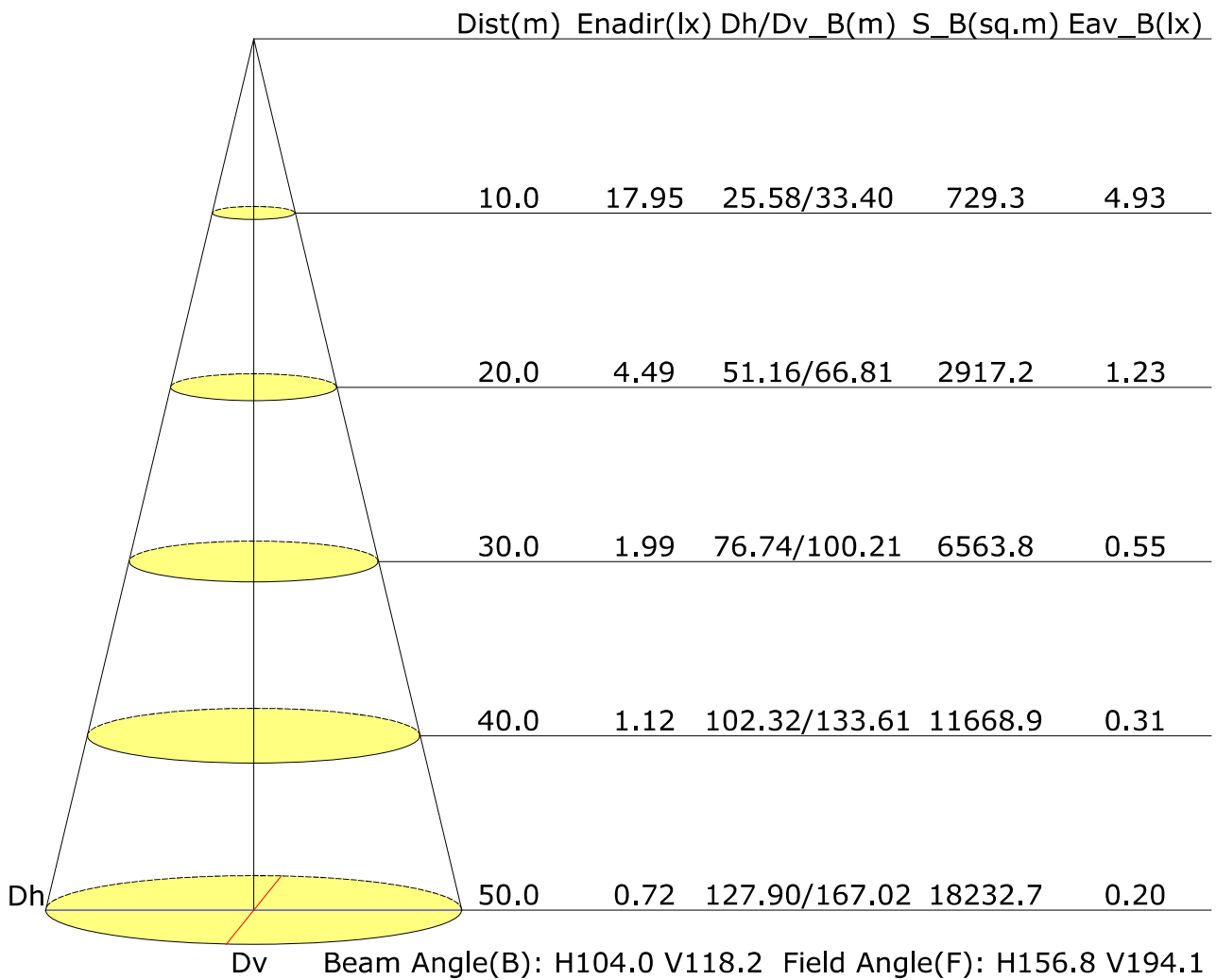
Test Device: LSG-1800B

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: