

Report No.: 1

Test Time: 27.04.2018 08:39

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 3x25LED 0,3A 30W Refond 140-150lm 5000K

Lamp Description: LED

Luminous Length (mm): 945

Luminous Width (mm): 55

Luminous Height (mm): 90

Voltage: 231.2 V

Current: 0.126 A

Power: 28.43 W

Power Factor: 0.974

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3732.6 lm

Measurement Flux: 3732.6 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.9, 123.1, 137.5, 138.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.3, 113.2, 114.9, 114.8

Luminaire Efficacy Rating (LER): 131.34

Central Intensity: 1407.35 cd

Max. Intensity: 1407.73 cd

Pos of Max. Intensity: H0 V2

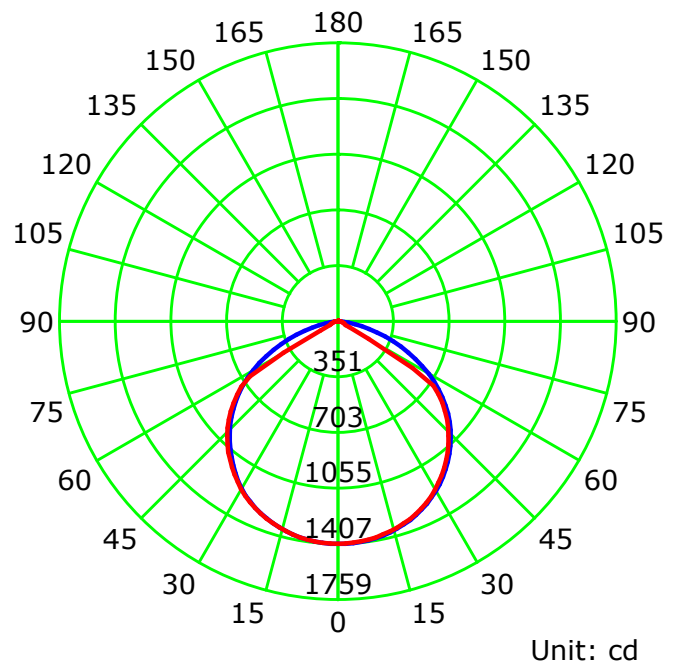
S/MH(C0/C180): 1.29

S/MH(C90/C270): 1.29

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

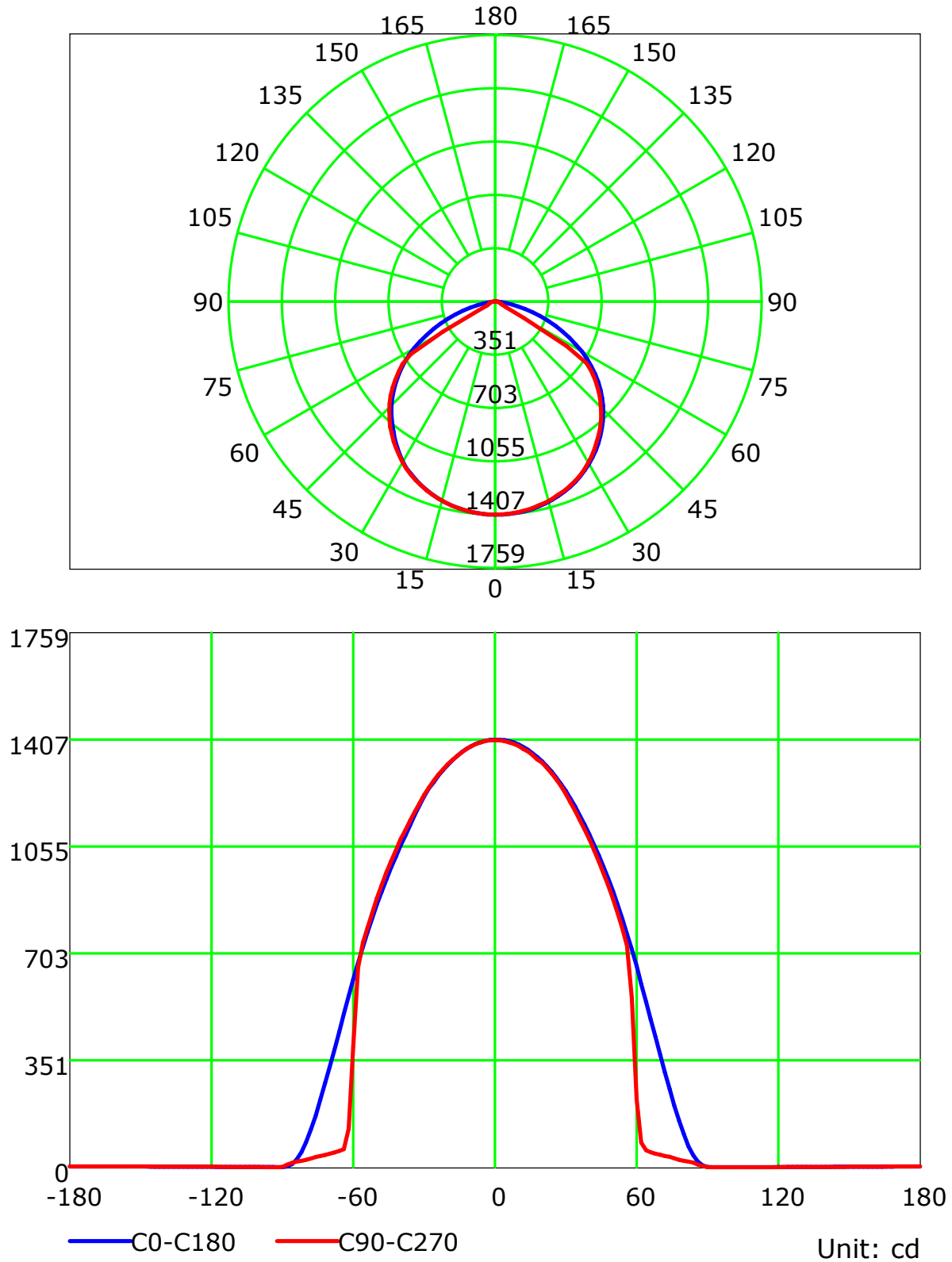
Temperature:

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 (°):0.0-180.0:2.0

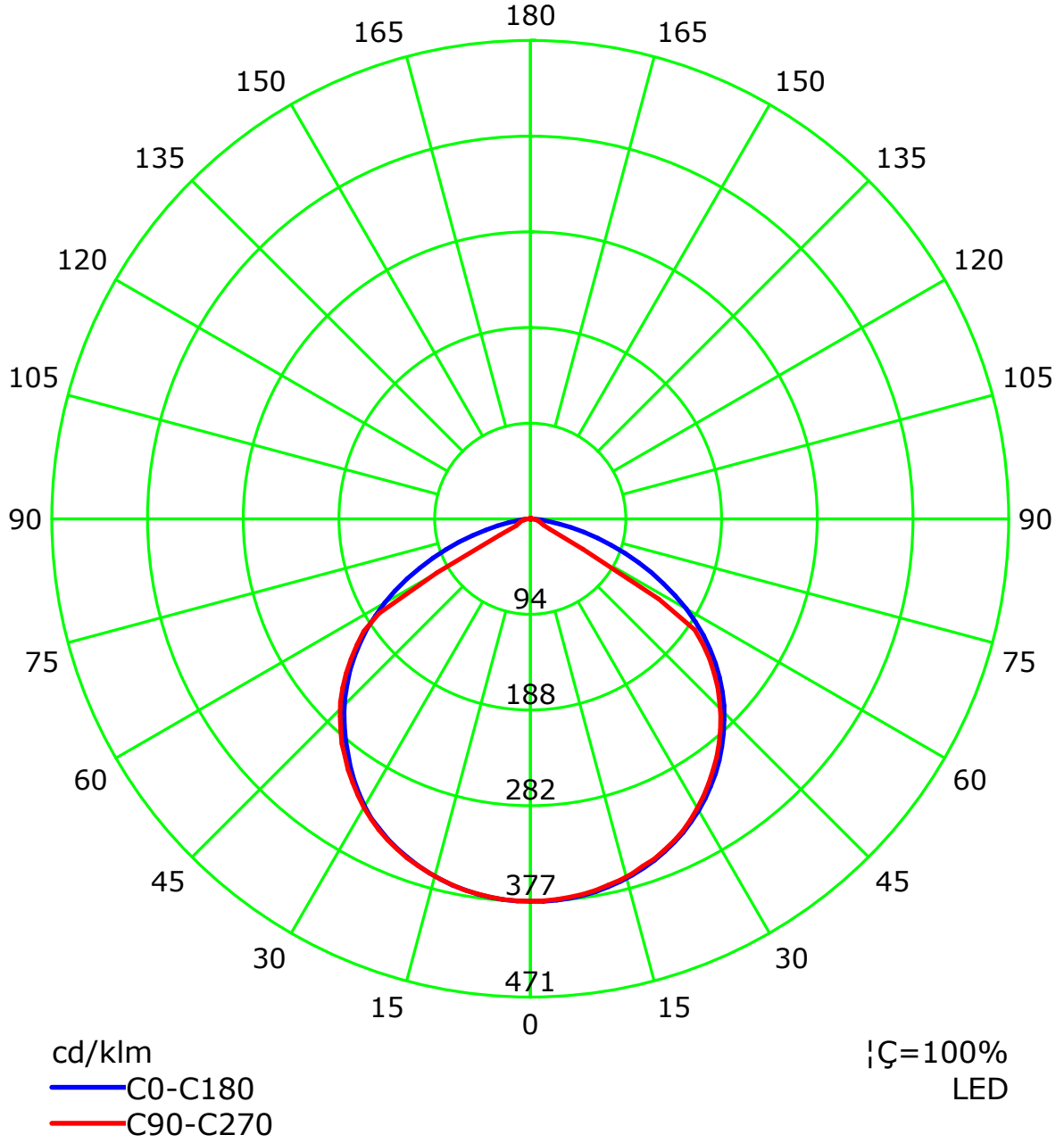
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

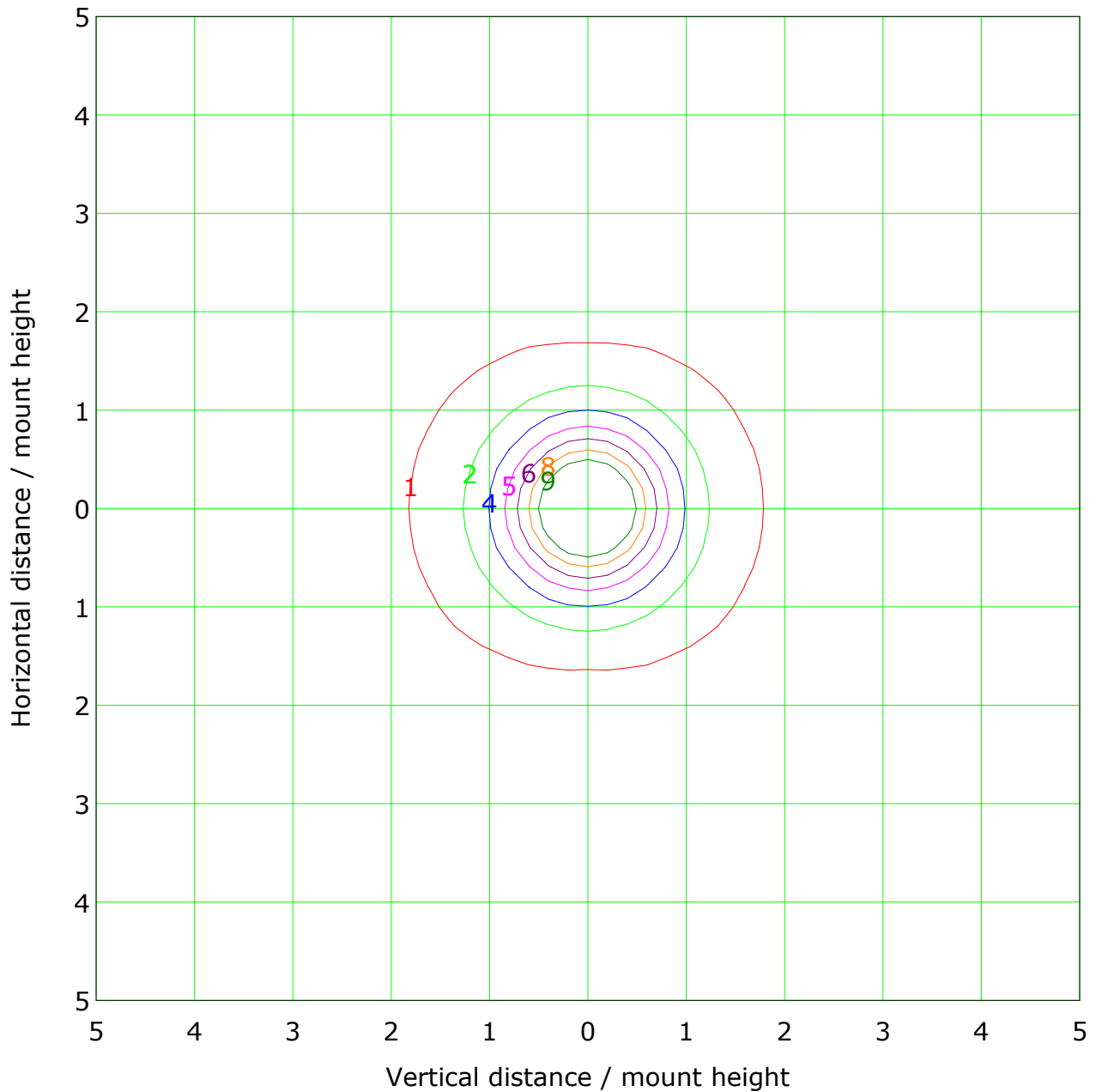
Luminous Intensity Distribution Curve(cd/klm)



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%): 14.1 lx	
(5%):	0.7 lx	(15%):	2.1 lx
(25%):	3.5 lx	(35%):	4.9 lx
(45%):	6.3 lx	(55%):	7.7 lx
(65%):	9.1 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

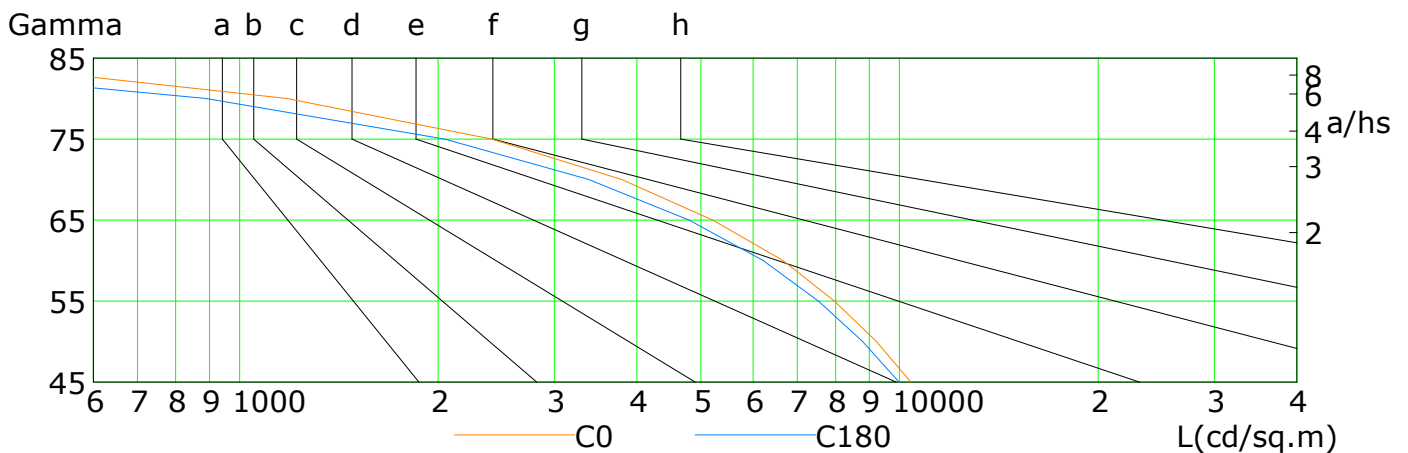
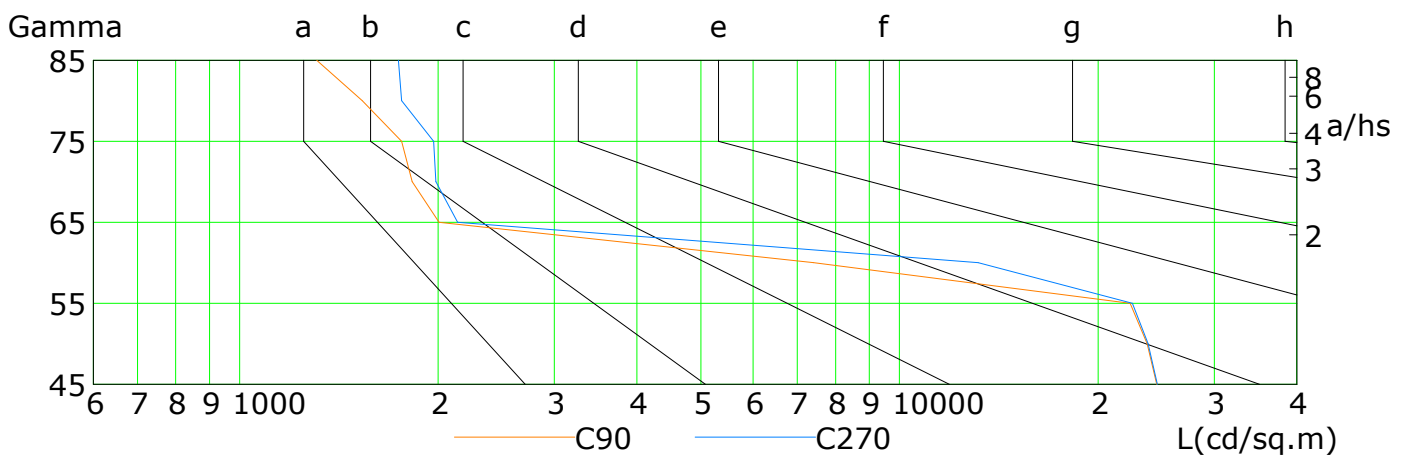
Humidity:

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	10409	9219	7969	6658	5215	3790	2412	1179	329
C90	24537	23740	22359	7411	2006	1827	1761	1534	1310
C180	9989	8786	7532	6215	4801	3380	2047	889	203
C270	24589	23809	22550	13151	2140	1984	1968	1760	1740

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

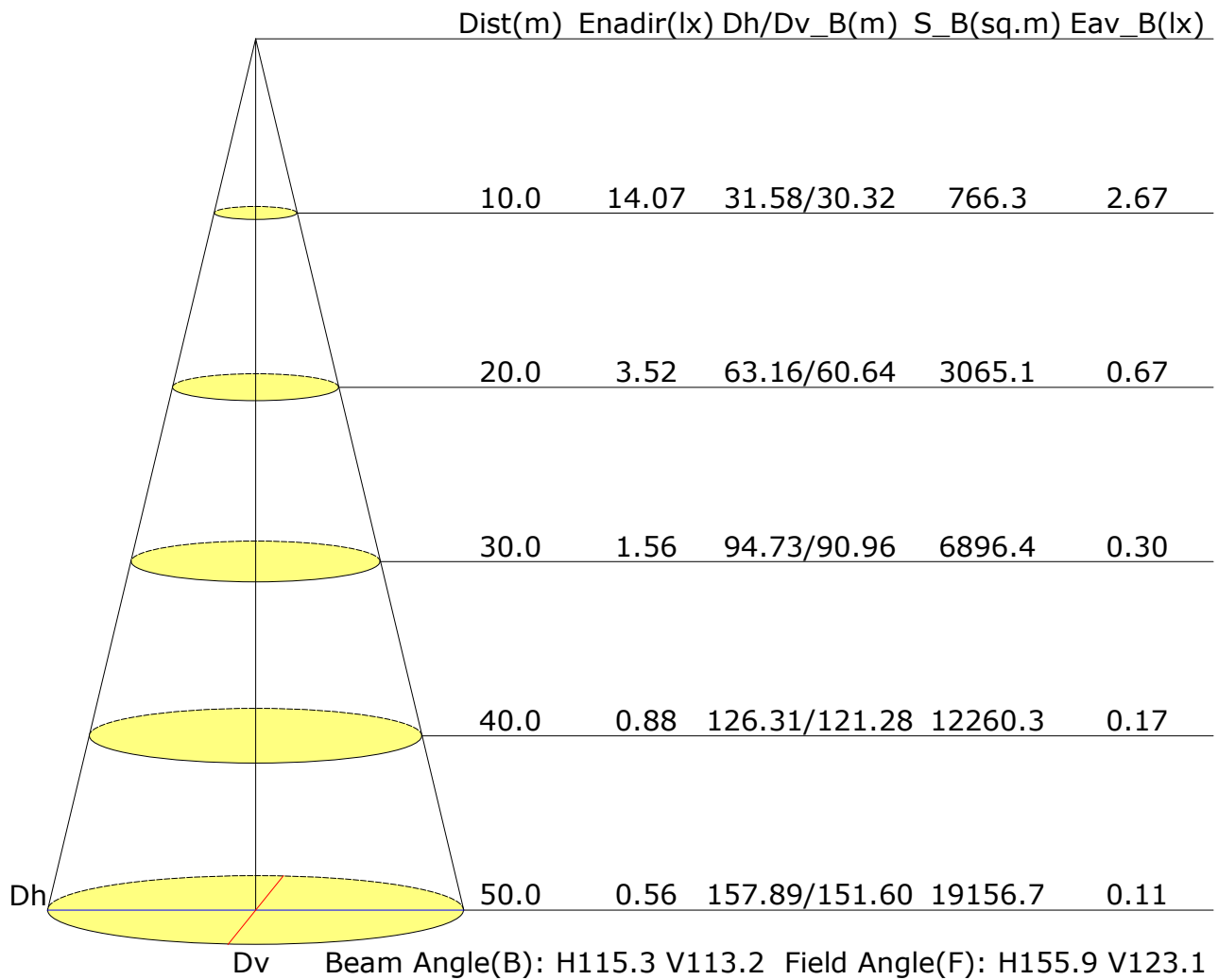
Test Device: LSG-1800B

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: