

Report No.: 8

Test Time: 07.02.2018 12:22

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 70W Refond 32-34,5Lm 5000K opal

Lamp Description: LED

Luminous Length (mm): 1550

Luminous Width (mm): 60

Luminous Height (mm): 80

Voltage: 231.9 V

Current: 0.322 A

Power: 72.44 W

Power Factor: 0.968

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 8540.6 lm

Measurement Flux: 8540.6 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.8, 163.3, 164.0, 164.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.4, 109.0, 109.7, 109.7

Luminaire Efficacy Rating (LER): 117.95

Central Intensity: 3032.4 cd

Max. Intensity: 3033.22 cd

Pos of Max. Intensity: H90 V1

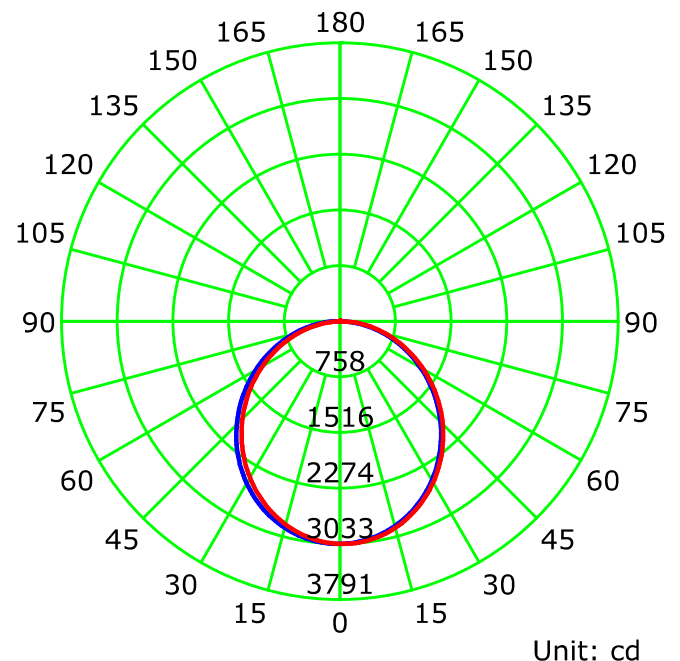
S/MH(C0/C180): 1.24

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

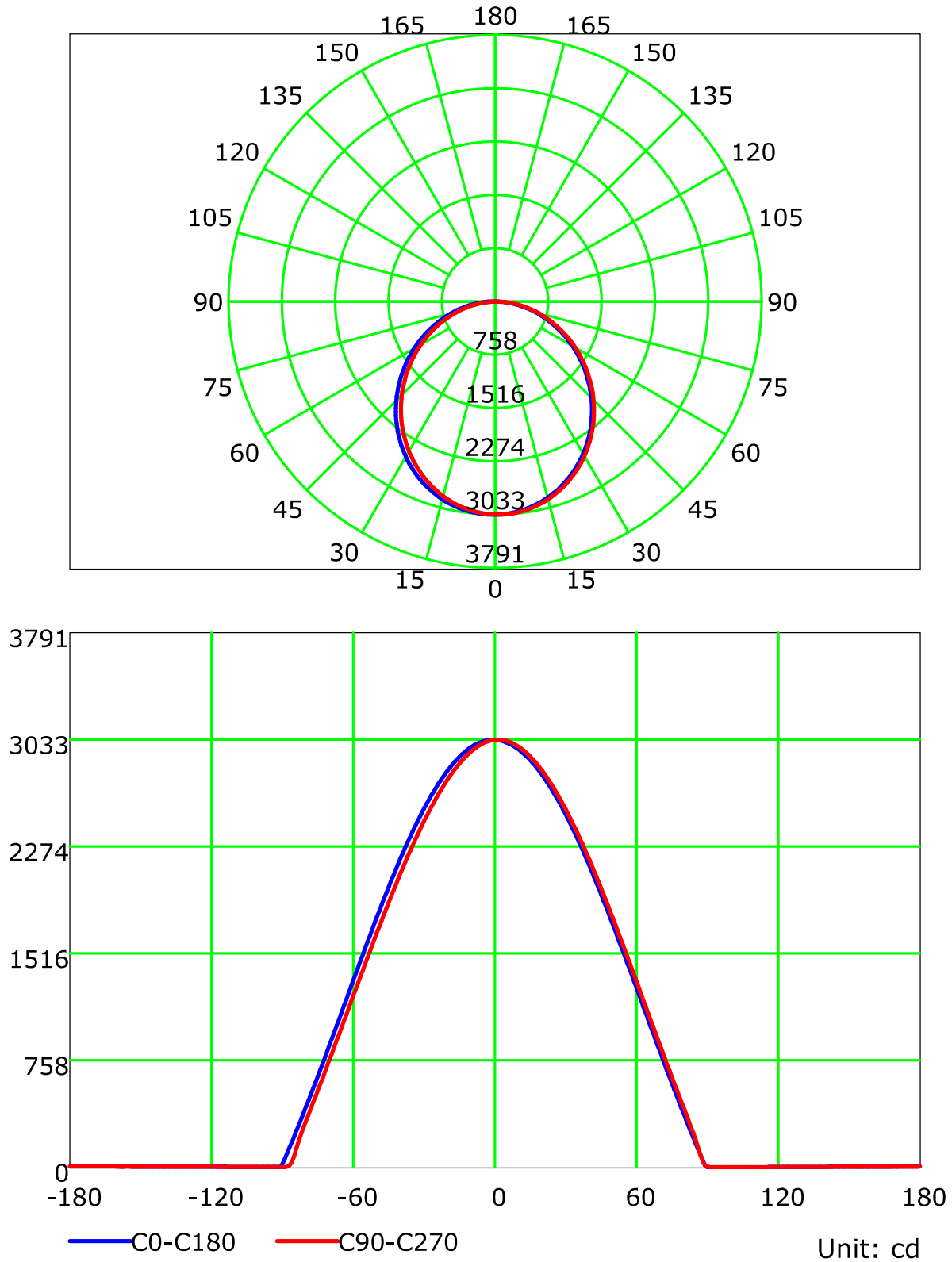
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

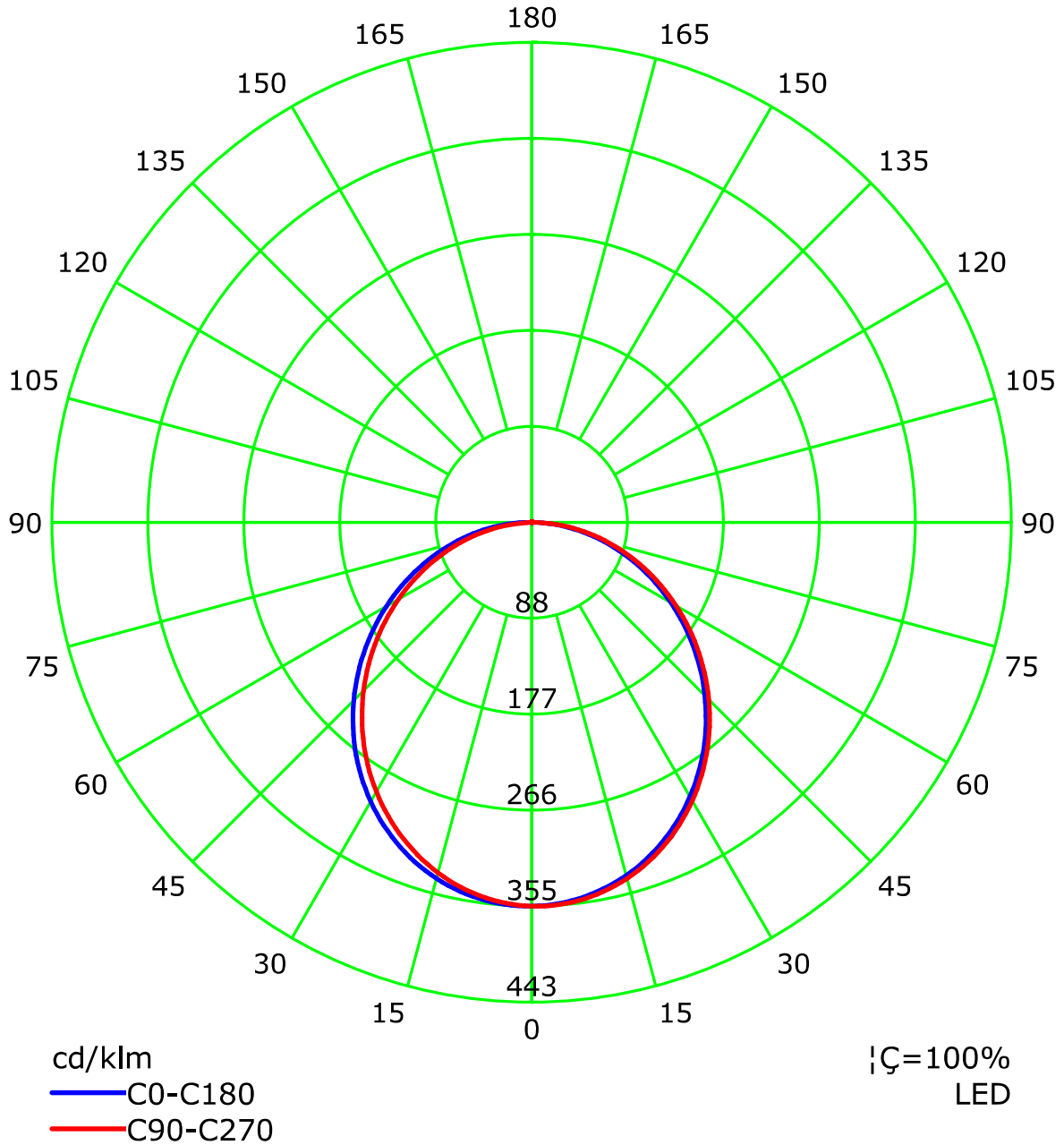
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

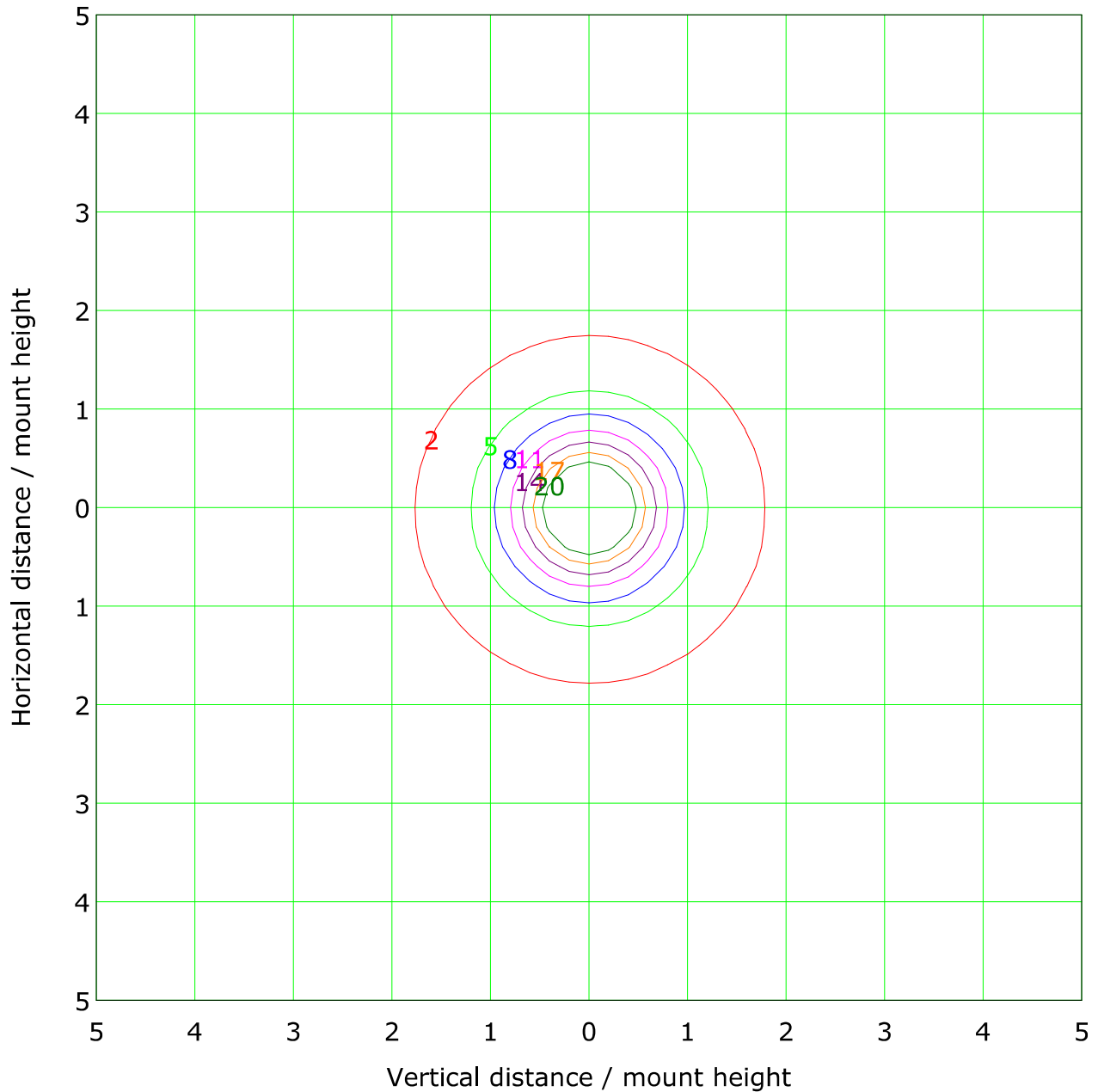
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 30.3 lx	
(5%):	1.5 lx	(15%):	4.5 lx
(25%):	7.6 lx	(35%):	10.6 lx
(45%):	13.6 lx	(55%):	16.7 lx
(65%):	19.7 lx		

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

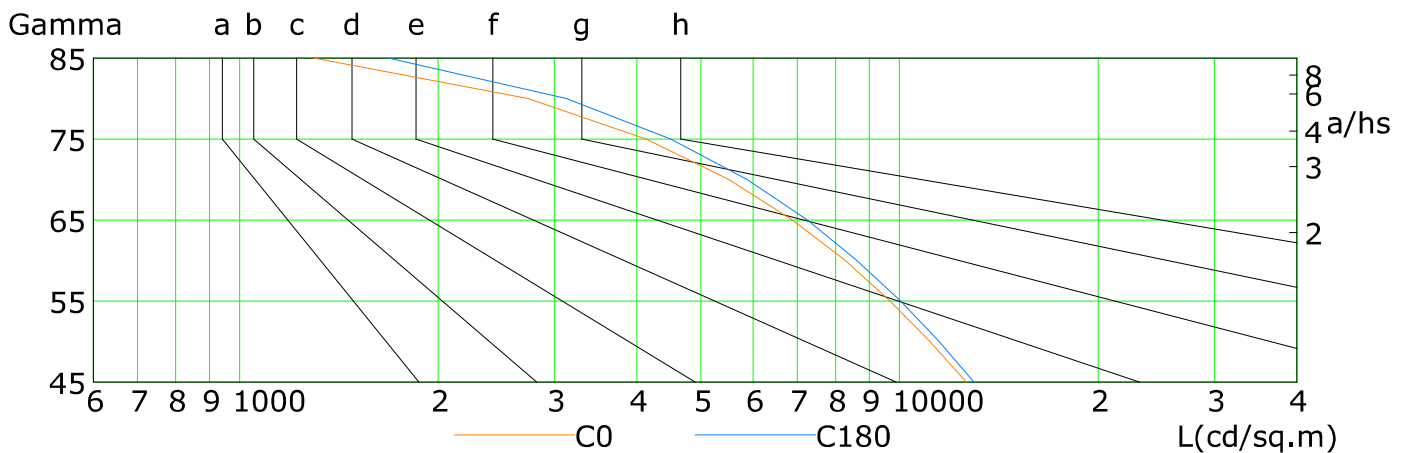
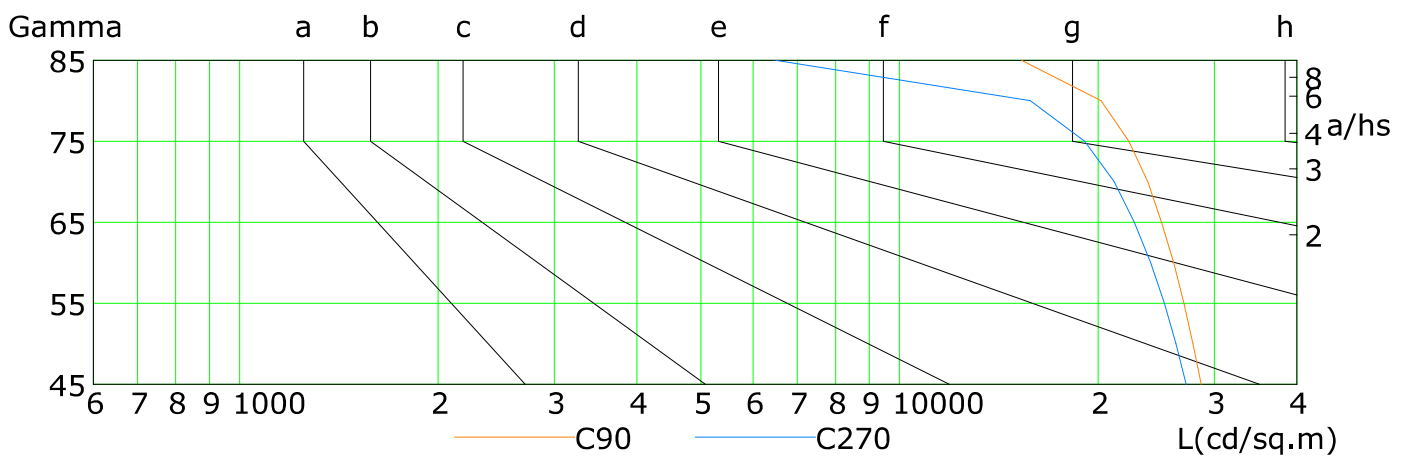
Humidity:

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	12622	11112	9679	8272	6883	5514	4133	2734	1298
C90	28647	27826	26983	26038	24966	23771	22274	20208	15314
C180	12965	11479	10036	8620	7251	5874	4504	3124	1681
C270	27183	26236	25203	24029	22703	21144	19076	15778	6498

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

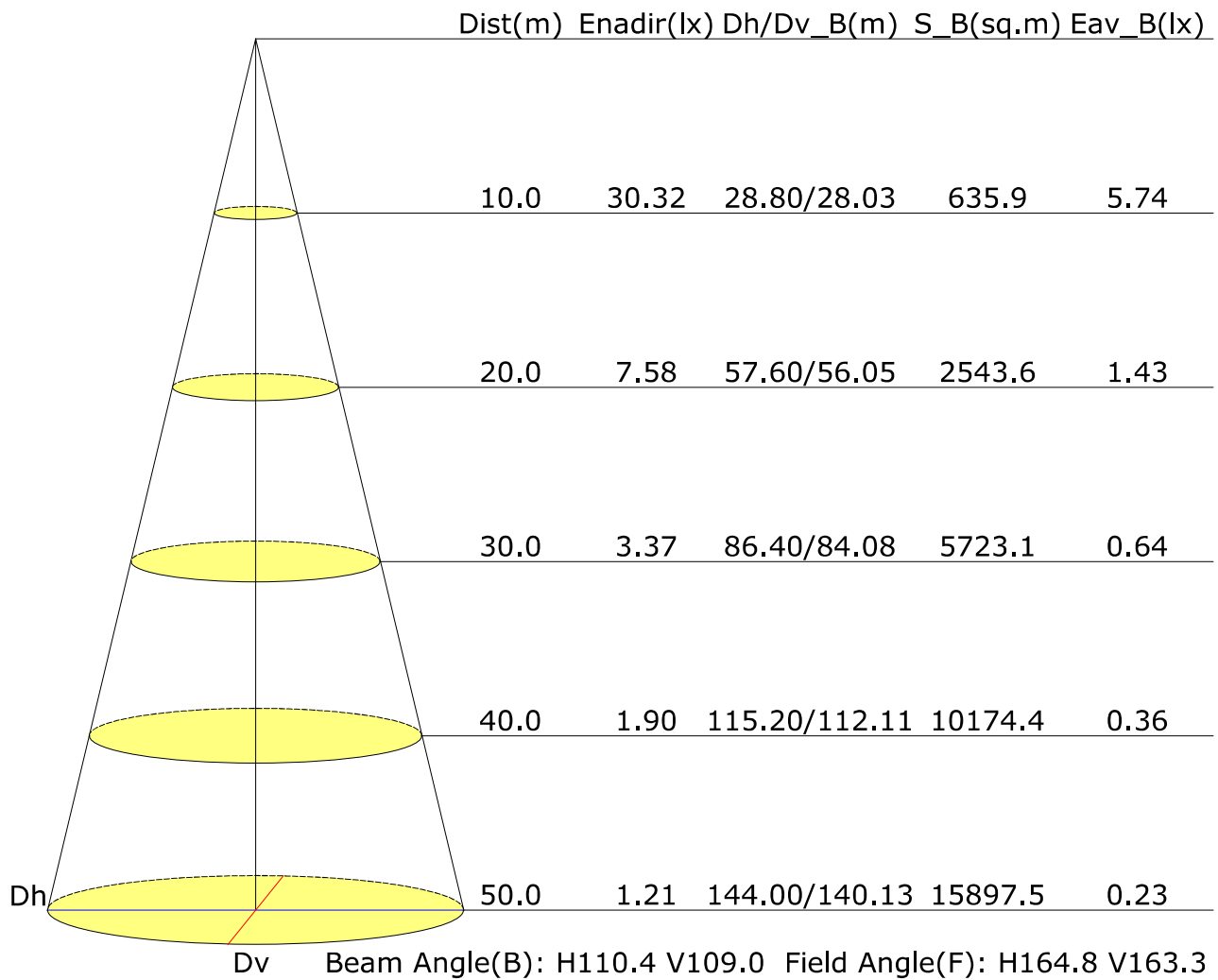
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: