

Report No.: 1

Test Time: 25.03.2019 16:26

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 100W HE

Luminous Diameter (mm): 260

Luminous Height (mm): 178

Current: 0.459 A

Power Factor: 0.990

Lamp Description: 140-150lm RF 5,8-6V

Voltage: 221.0 V

Power: 100.63 W

Photometric Results

CIE Class: Direct

Measurement Flux: 14180.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 153.6, 153.7, 153.6, 153.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.3, 114.5, 114.0, 114.6

Luminaire Efficacy Rating (LER): 140.96

Max. Intensity: 5022.51 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 14180.1 lm

Efficiency: 100%

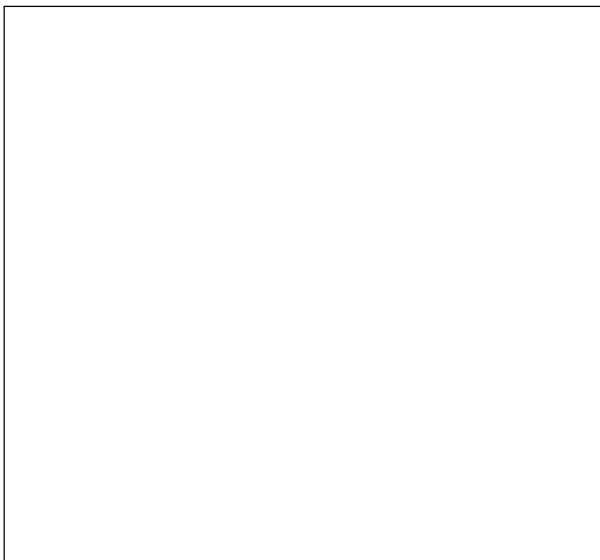
Upward Ratio: 0%

Central Intensity: 5019.27 cd

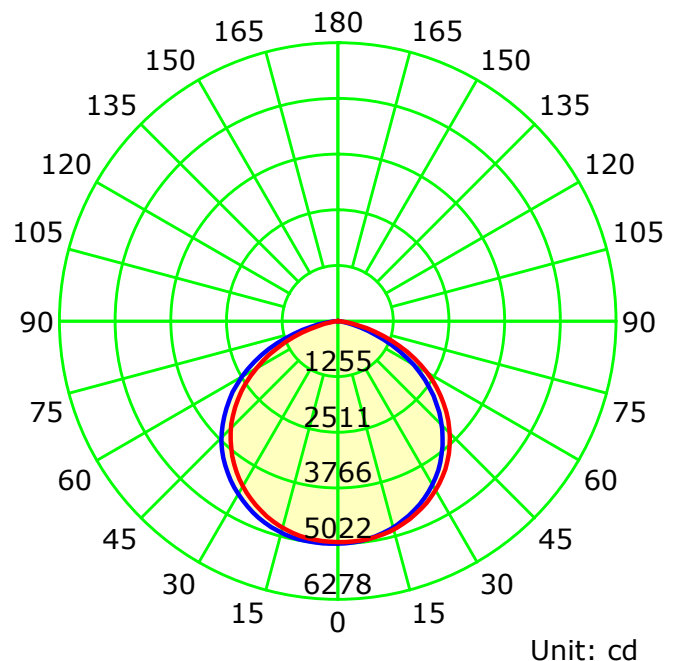
Pos of Max. Intensity: H180 V4

S/MH(C90/C270): 1.30

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

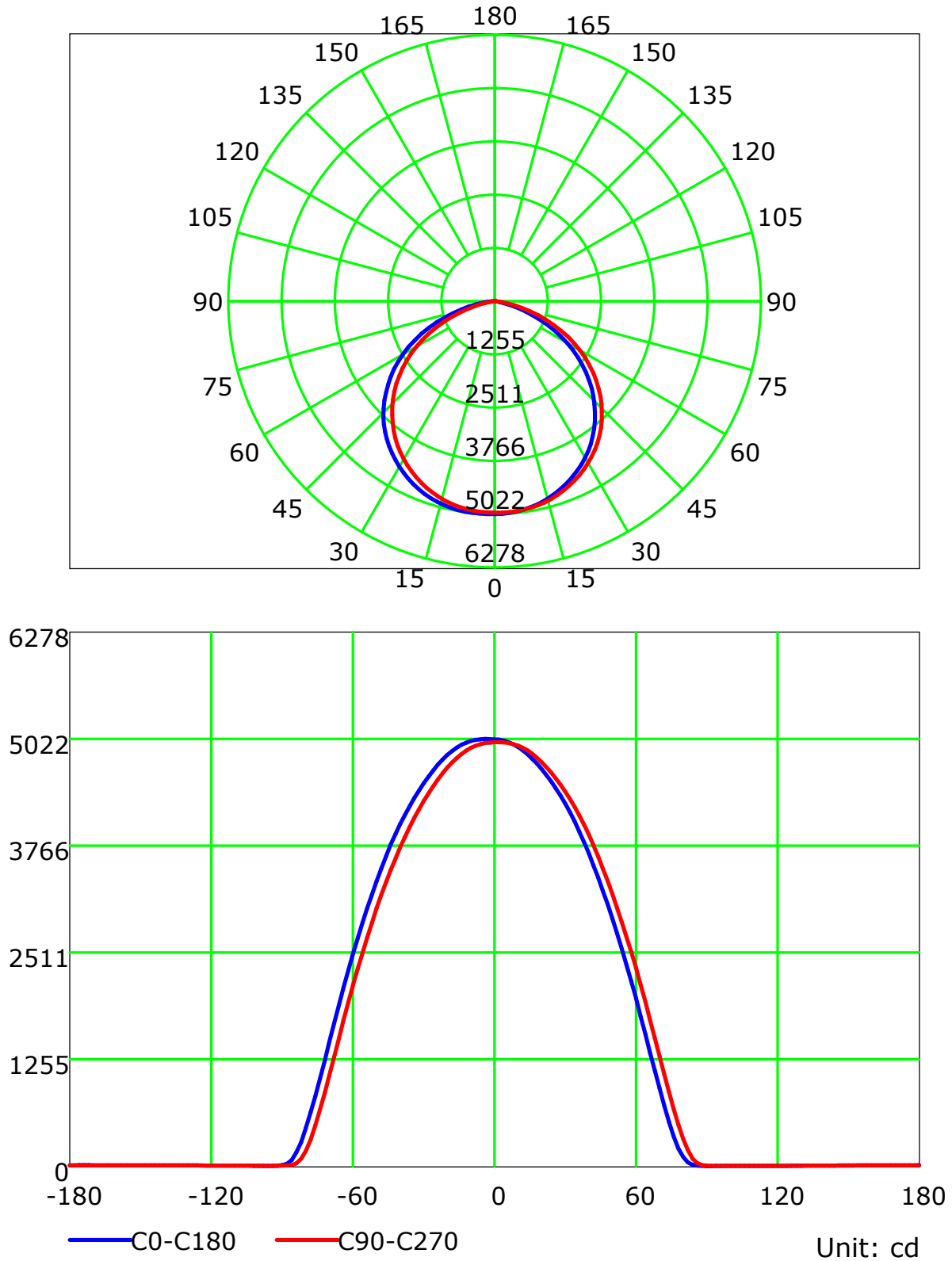
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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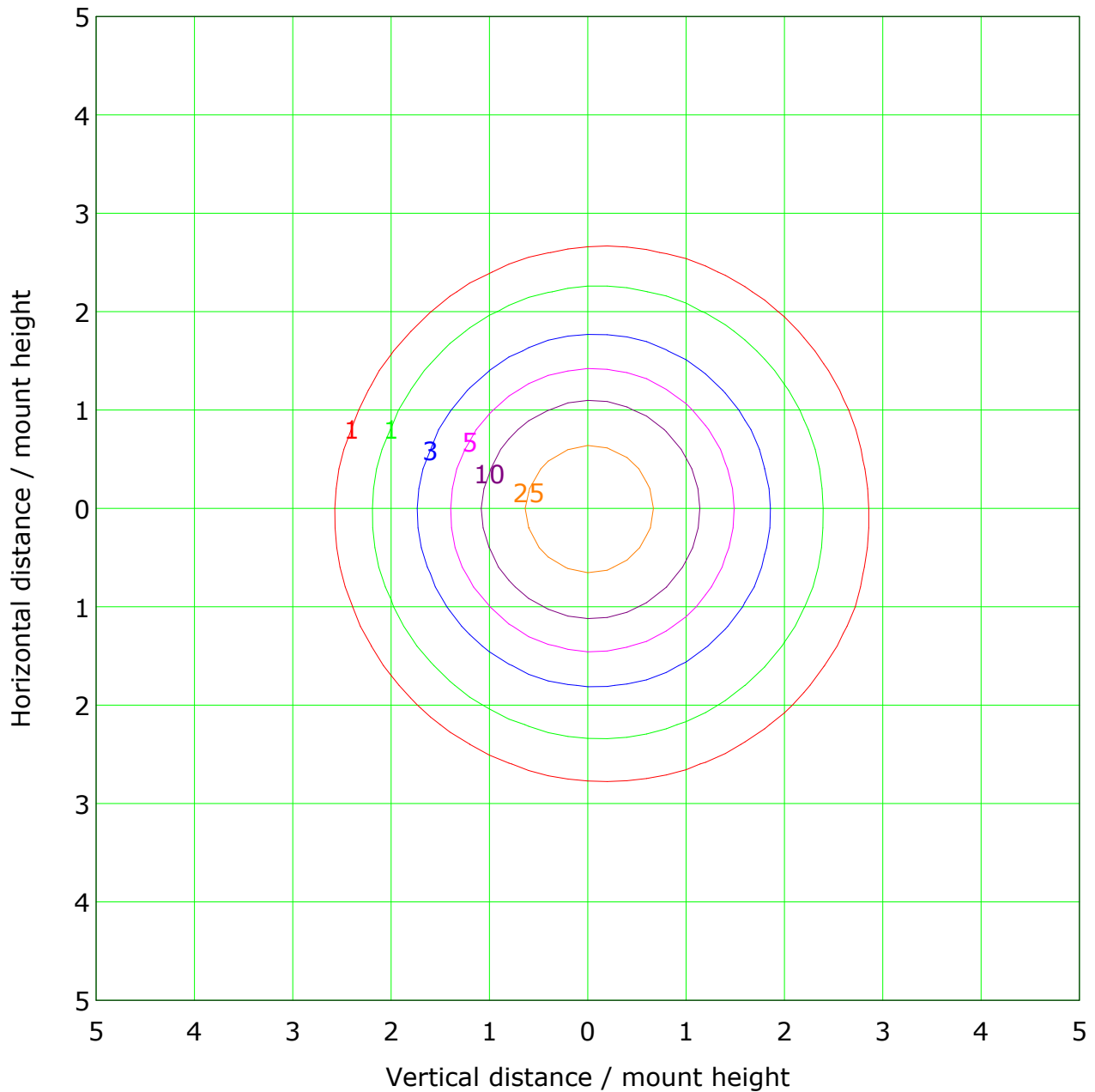
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 50.2 lx

(1%): 0.5 lx	(2%): 1.0 lx
(5%): 2.5 lx	(10%): 5.0 lx
(20%): 10.0 lx	(50%): 25.1 lx
(100%): 50.2 lx	

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Temperature:

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Test Device: LSG-1800B

Distance: 12.654 m

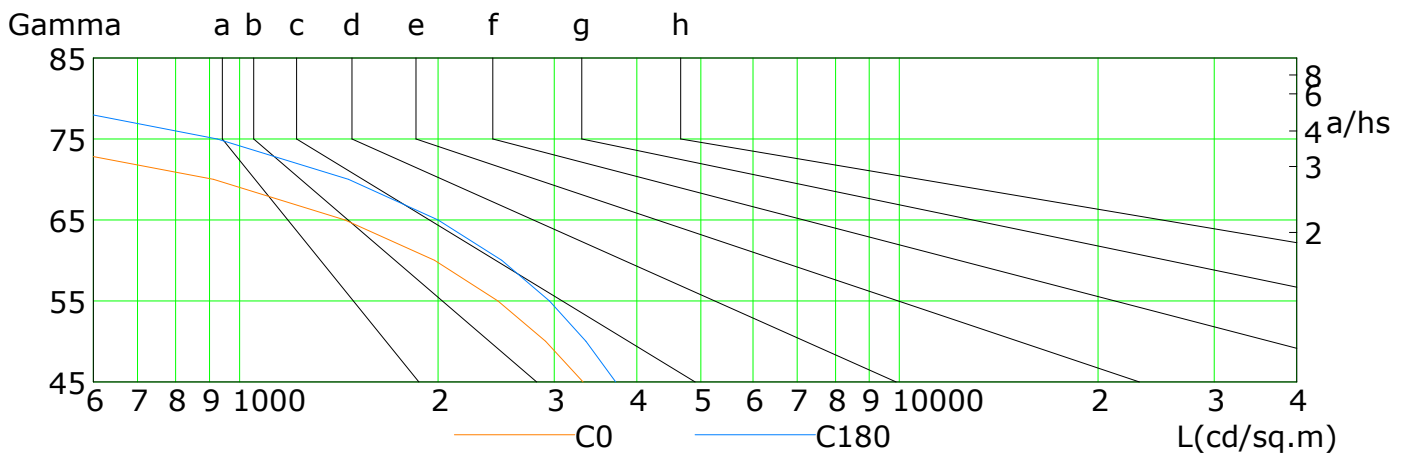
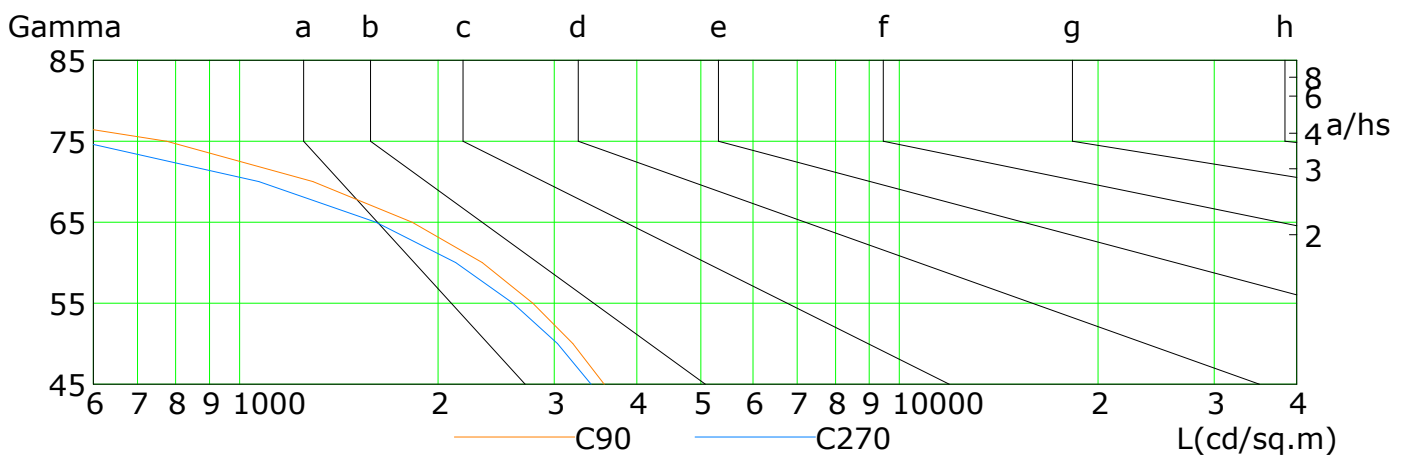
Humidity:

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	3315	2910	2462	1975	1444	913	437	110	13
C90	3570	3199	2783	2333	1827	1291	775	321	62
C180	3714	3348	2948	2496	1998	1462	925	447	118
C270	3411	3031	2596	2125	1610	1070	573	179	24

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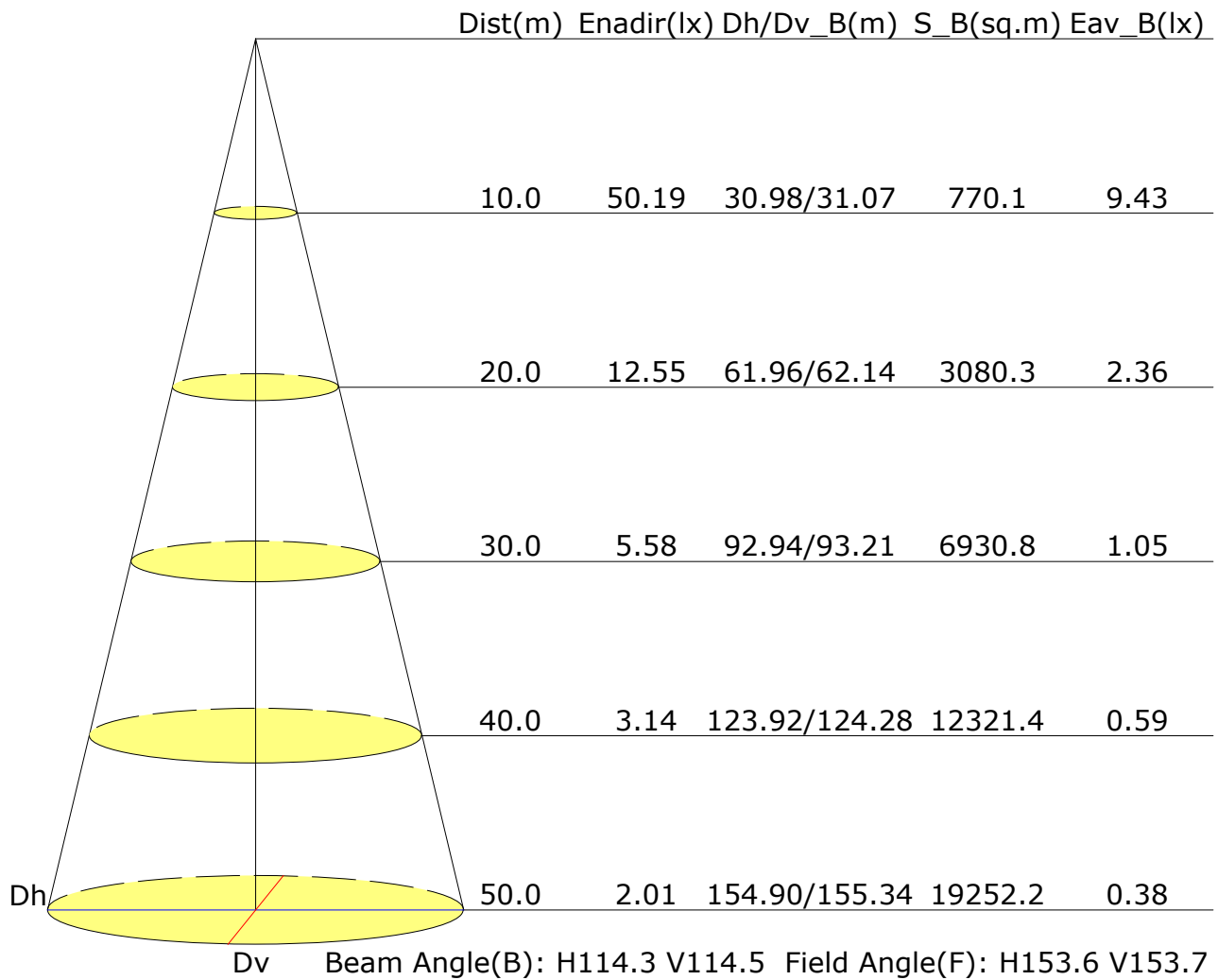
Test Device: LSG-1800B

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: