

Report No.:

Test Time: 10.11.2017 11:35

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 25x4LED 0,35A 45W 3000K

Luminous Length (mm): 1245

Voltage: 231.3 V

Power: 43.45 W

Luminous Width (mm): 55

Current: 0.191 A

Power Factor: 0.980

Photometric Results

CIE Class: Direct

Measurement Flux: 3421.9 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.8, 160.2, 161.6, 161.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.8, 110.3, 111.1, 111.1

Luminaire Efficacy Rating (LER): 78.81

Max. Intensity: 1214.28 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 3421.9 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1214.27 cd

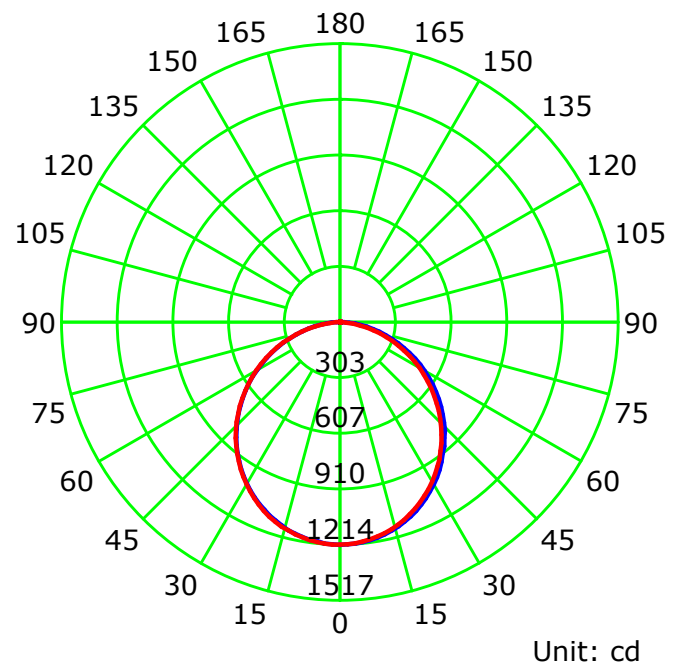
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.24

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

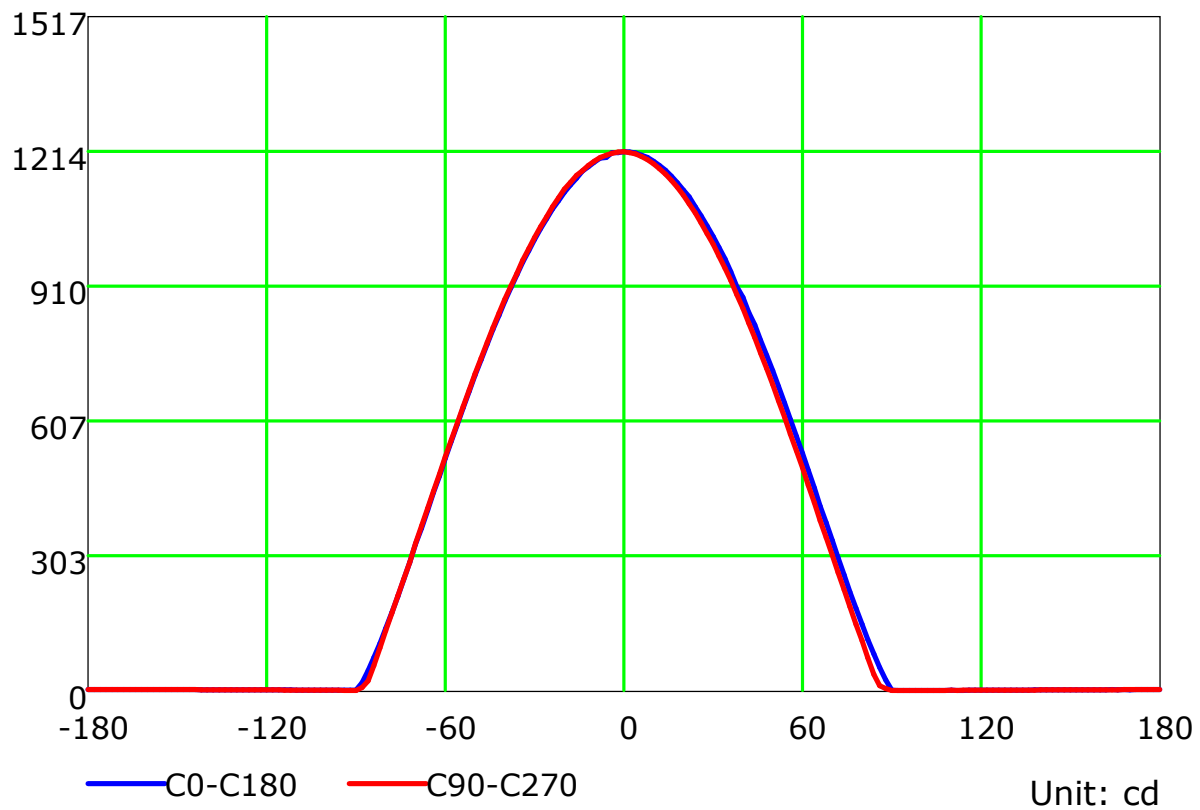
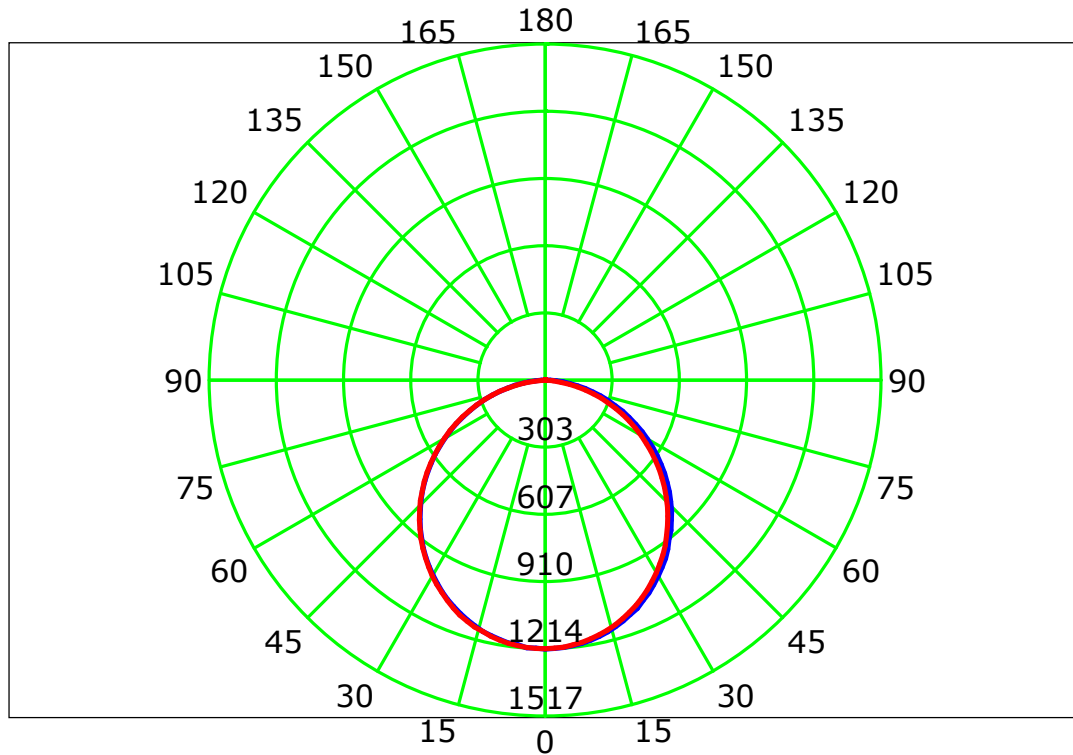
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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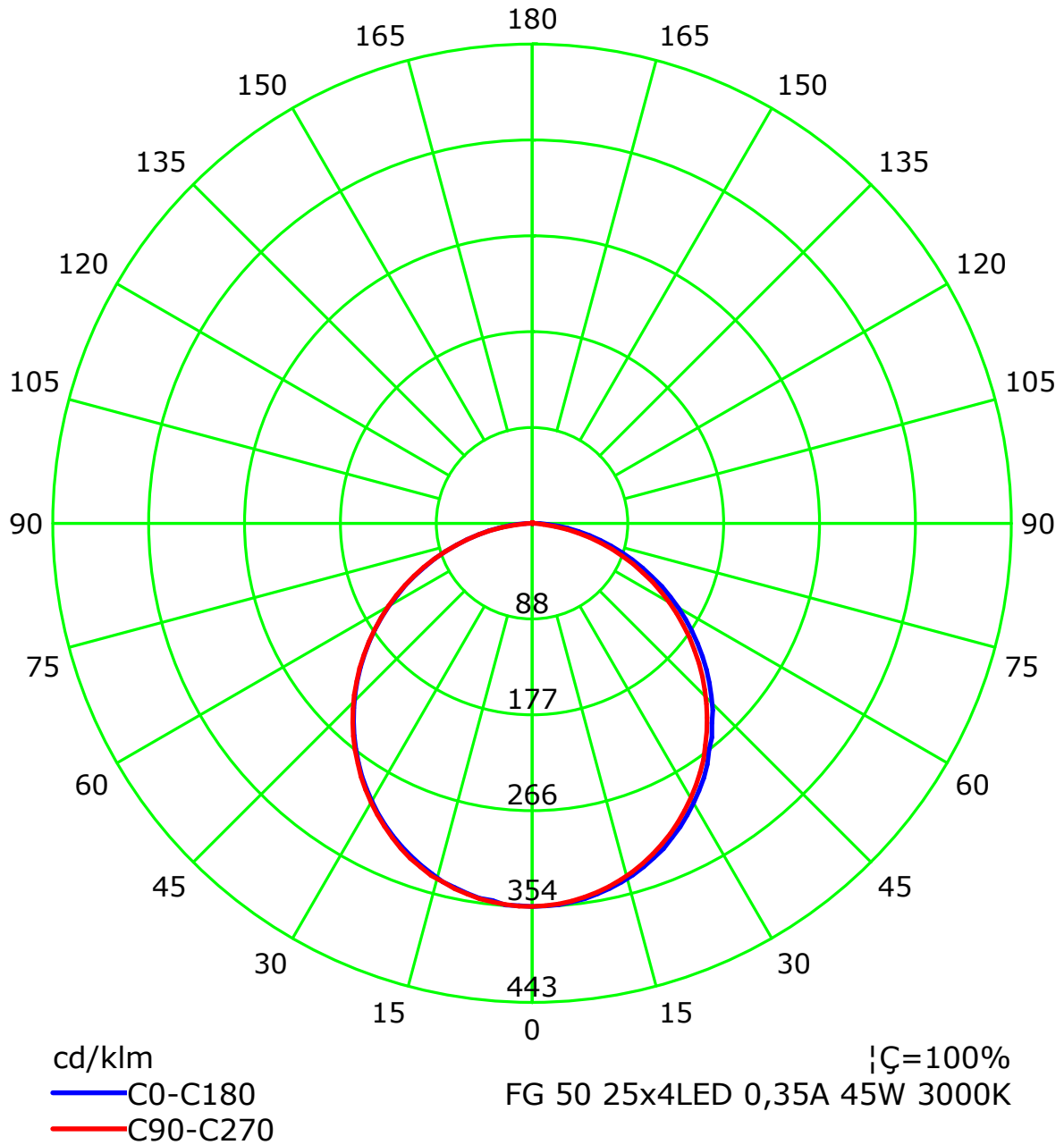
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

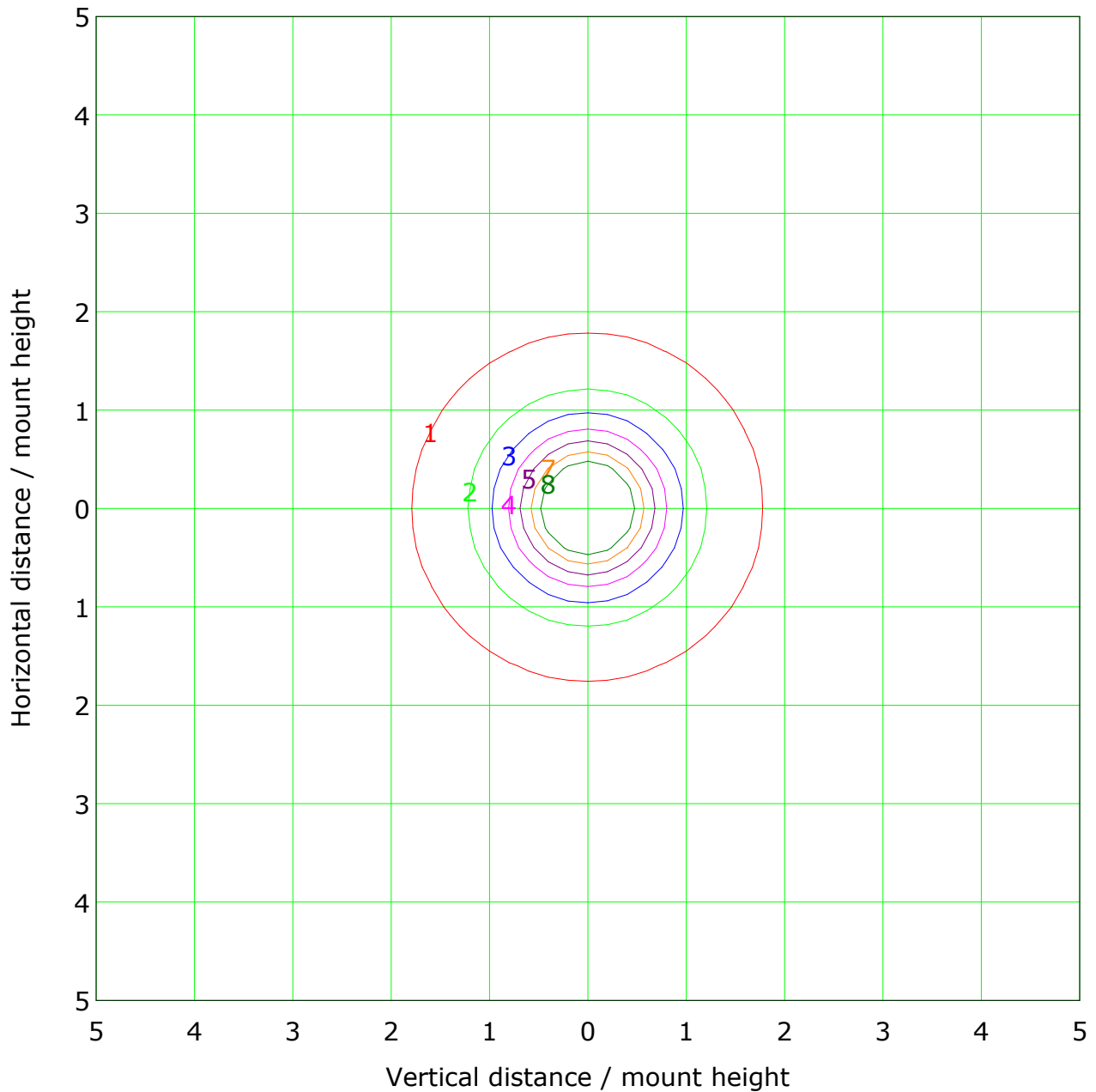
Luminous Intensity Distribution Curve(cd/klm)



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: 12.606 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 12.1 lx	
(5%):	0.6 lx	(15%):	1.8 lx
(25%):	3.0 lx	(35%):	4.2 lx
(45%):	5.5 lx	(55%):	6.7 lx
(65%):	7.9 lx		

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Test Device: LSG-1800B

Distance: 12.606 m

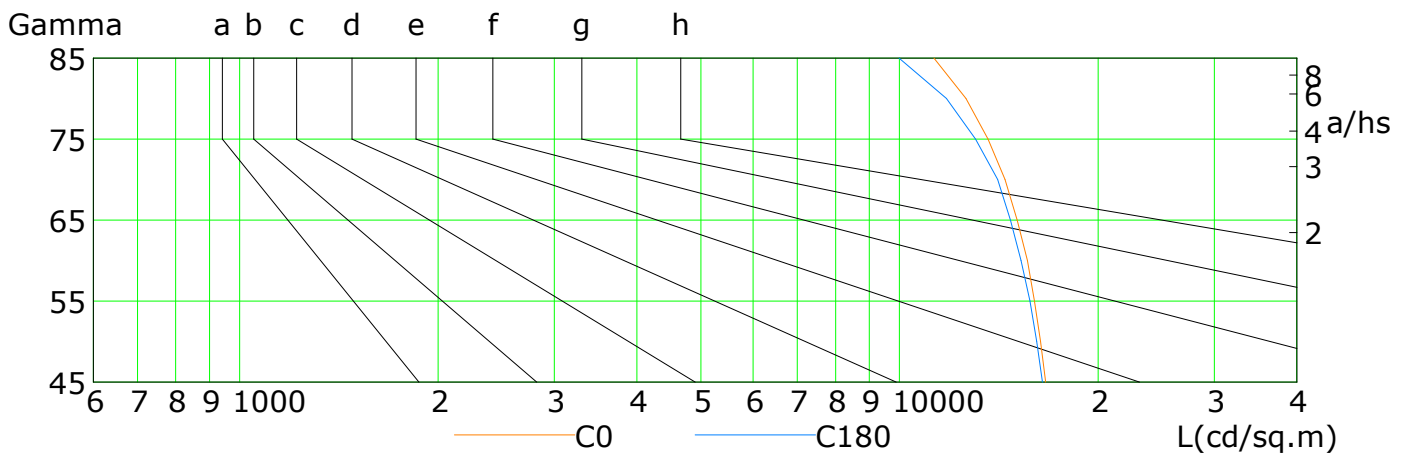
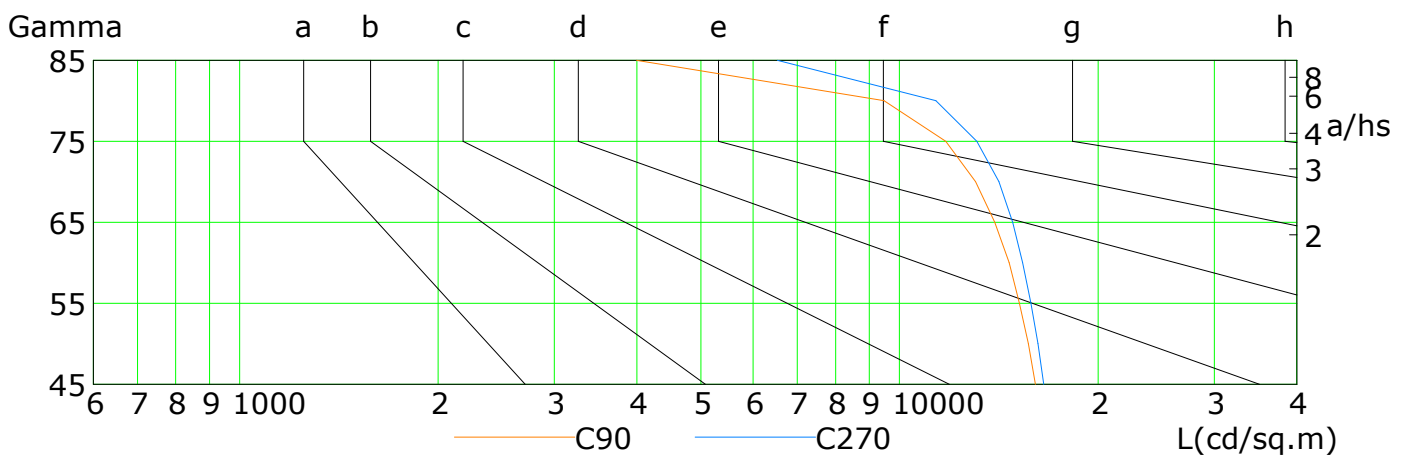
Humidity:

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	16657	16367	16022	15623	15072	14447	13627	12609	11276
C90	16062	15671	15201	14660	13945	13047	11752	9470	3995
C180	16460	16139	15758	15287	14727	14077	13040	11784	9988
C270	16537	16212	15824	15374	14851	14152	13099	11354	6533

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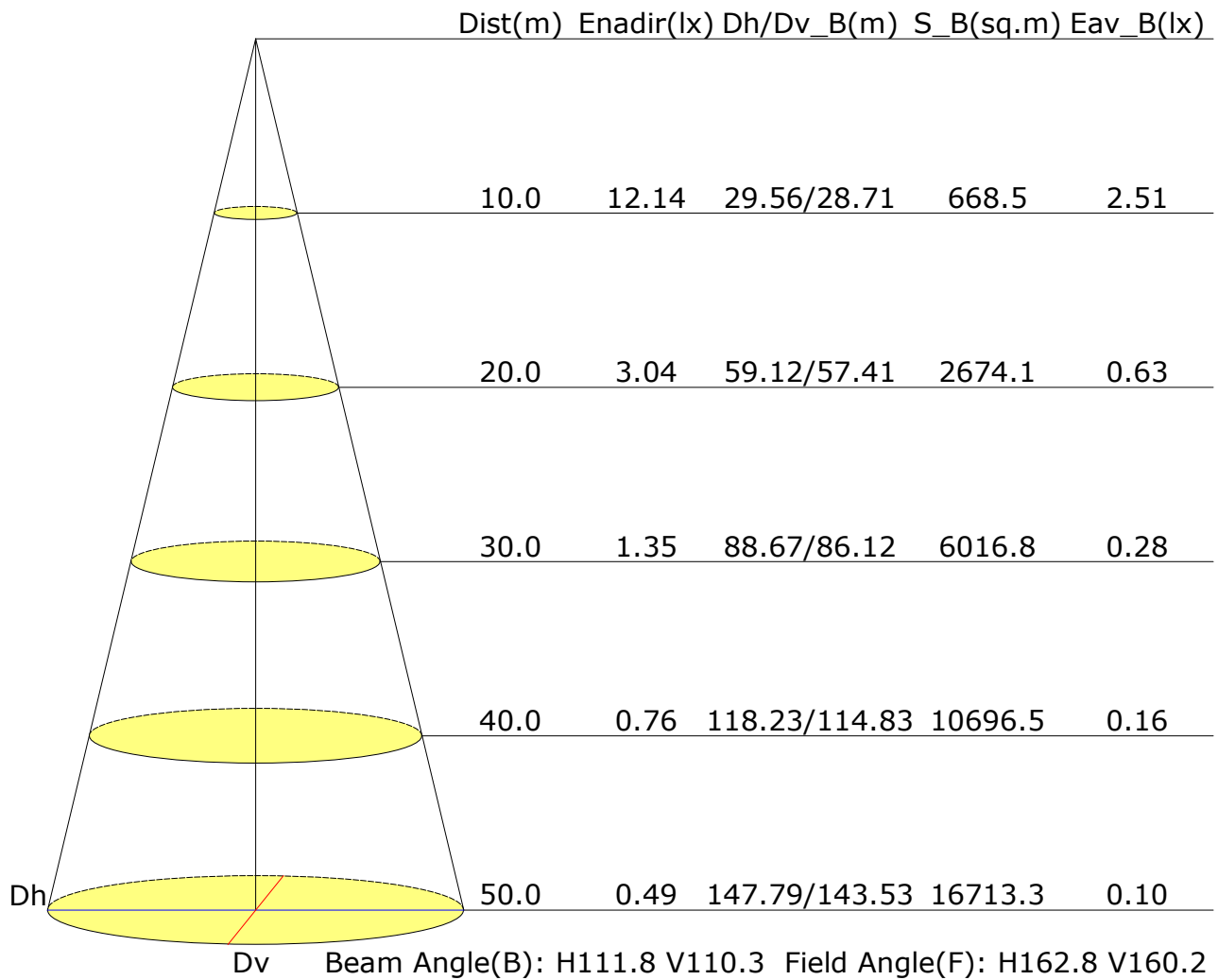
Test Device: LSG-1800B

Distance: 12.606 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: 12.606 m

Humidity:

Inspector: