

Report No.:

Test Time: 08.11.2017 11:03

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 25x4LED 0,35A 45W 5000K

Luminous Length (mm): 1245

Voltage: 231.4 V

Power: 43.61 W

Luminous Width (mm): 55

Current: 0.192 A

Power Factor: 0.979

Photometric Results

CIE Class: Direct

Measurement Flux: 3698.2 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.4, 160.7, 162.5, 161.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.8, 110.7, 111.9, 111.3

Luminaire Efficacy Rating (LER): 84.85

Max. Intensity: 1334.1 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 3698.2 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1288.21 cd

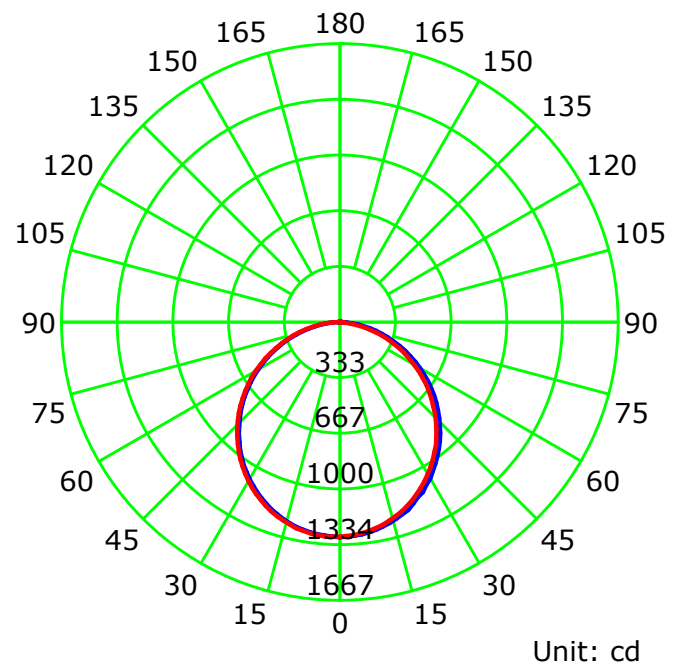
Pos of Max. Intensity: H112.5 V0

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

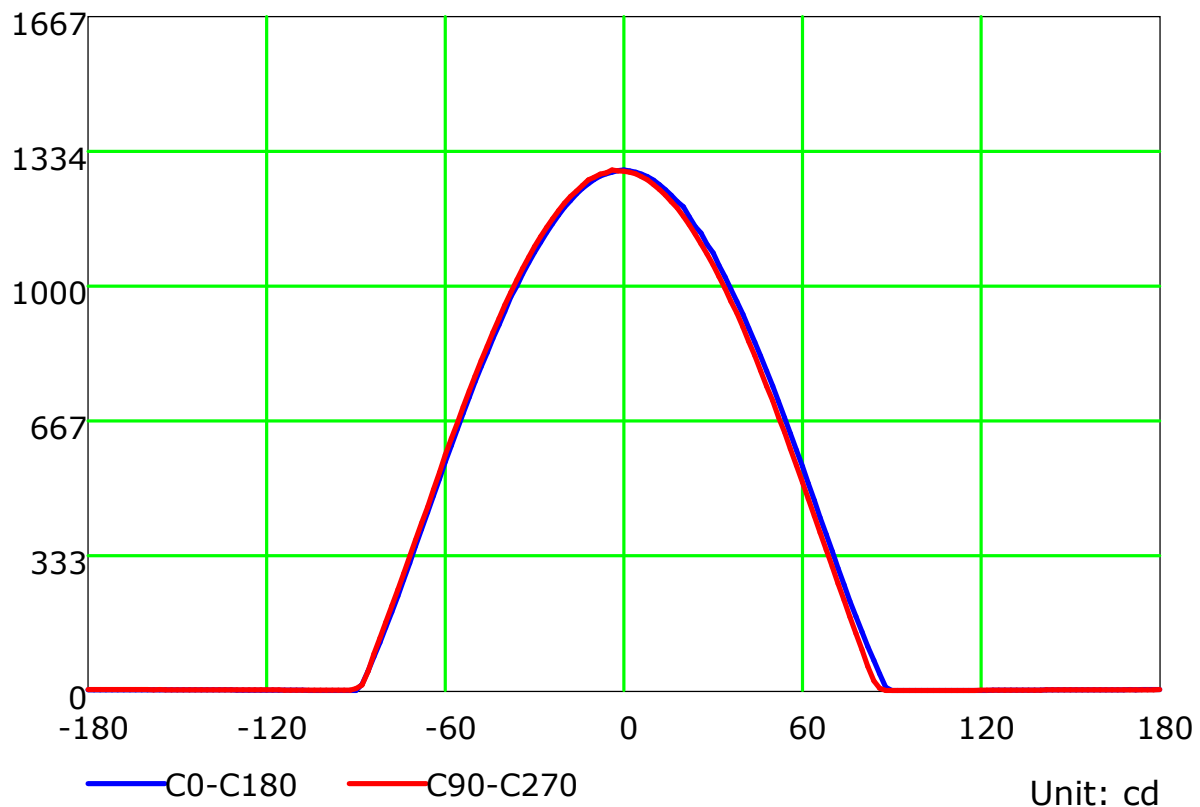
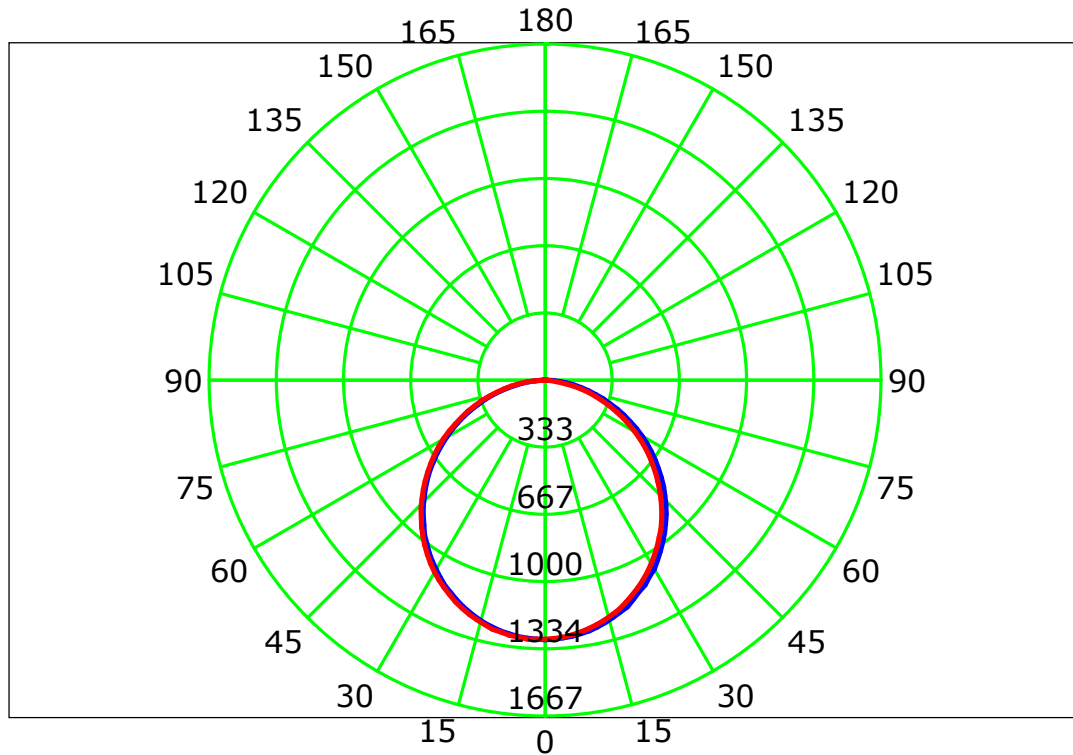
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

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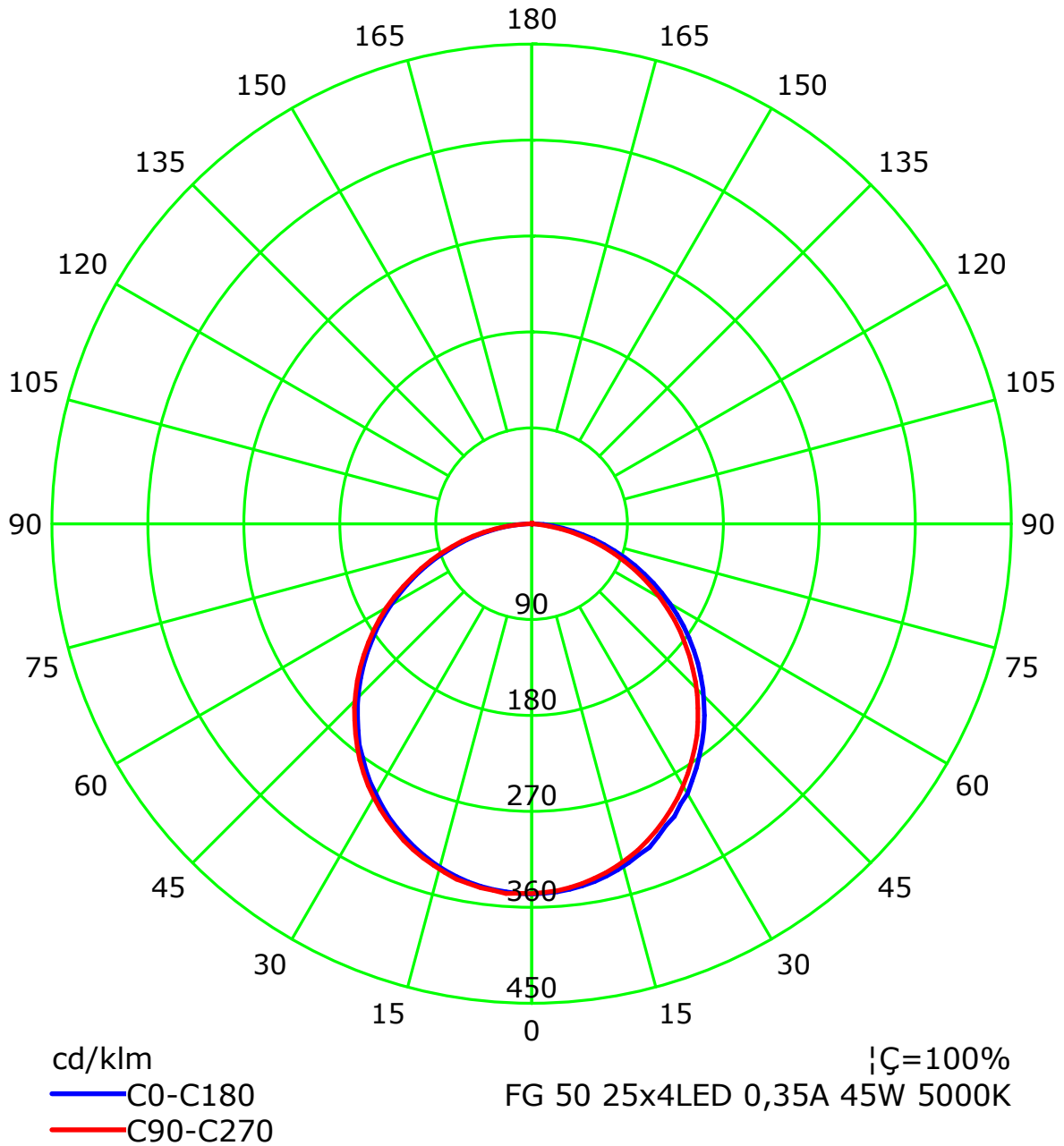
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

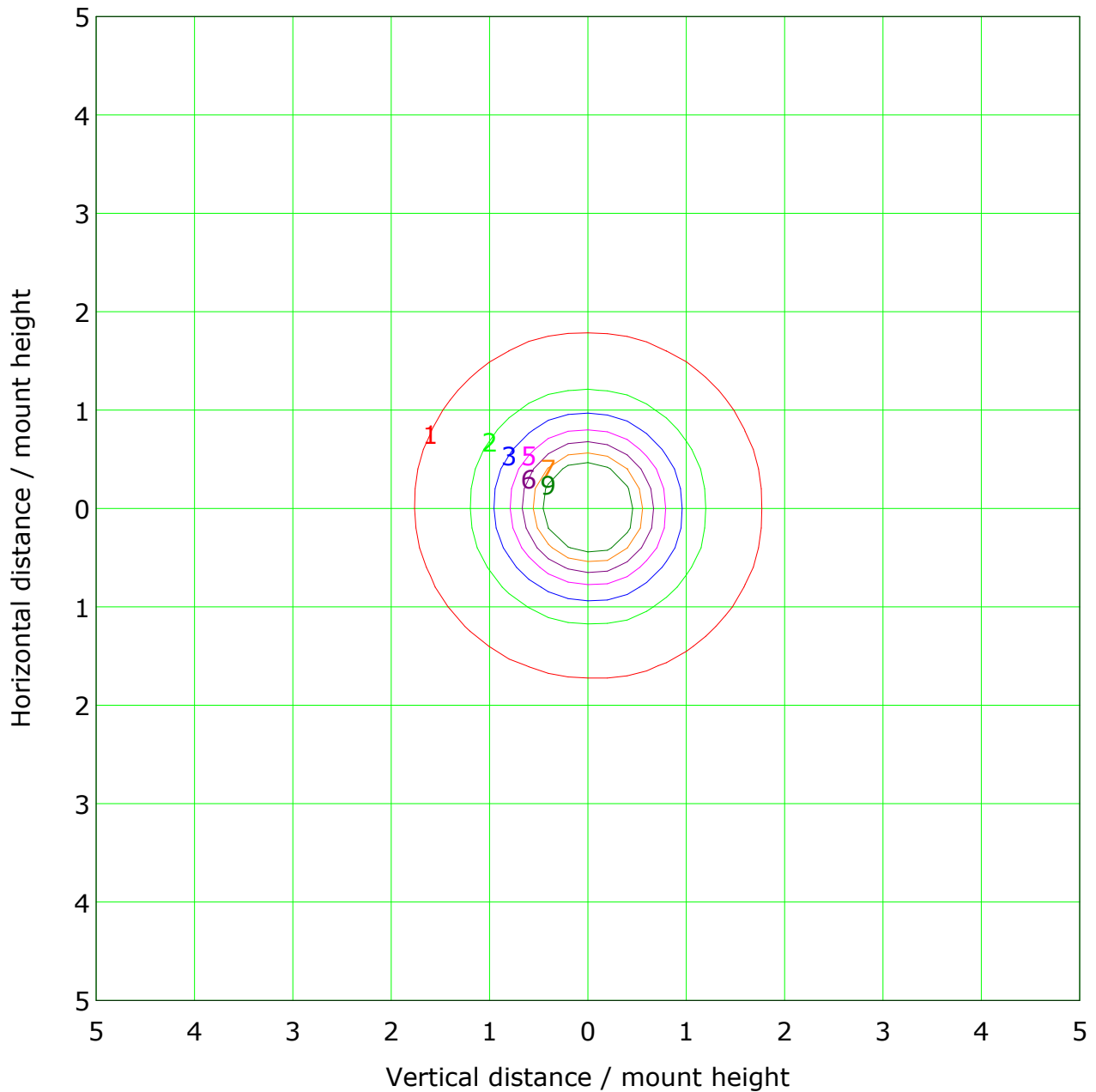
Luminous Intensity Distribution Curve(cd/klm)



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%): 13.3 lx

(5%): 0.7 lx	(15%): 2.0 lx
(25%): 3.3 lx	(35%): 4.7 lx
(45%): 6.0 lx	(55%): 7.3 lx
(65%): 8.7 lx	

C Plane (°):0.0-360.0: 22.5

Test Lab:

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Temperature:

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Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.606 m

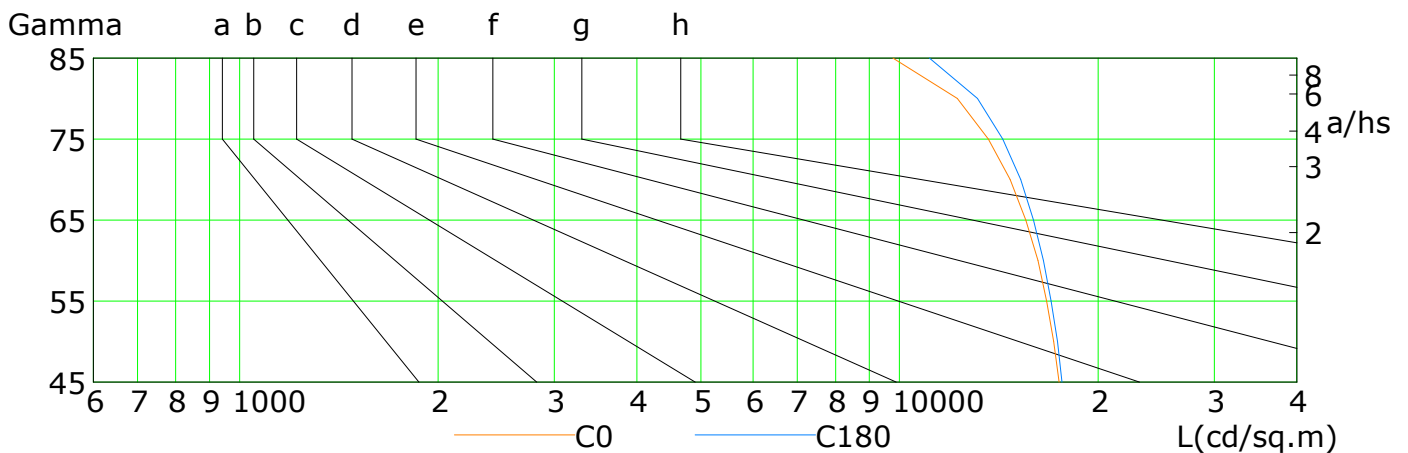
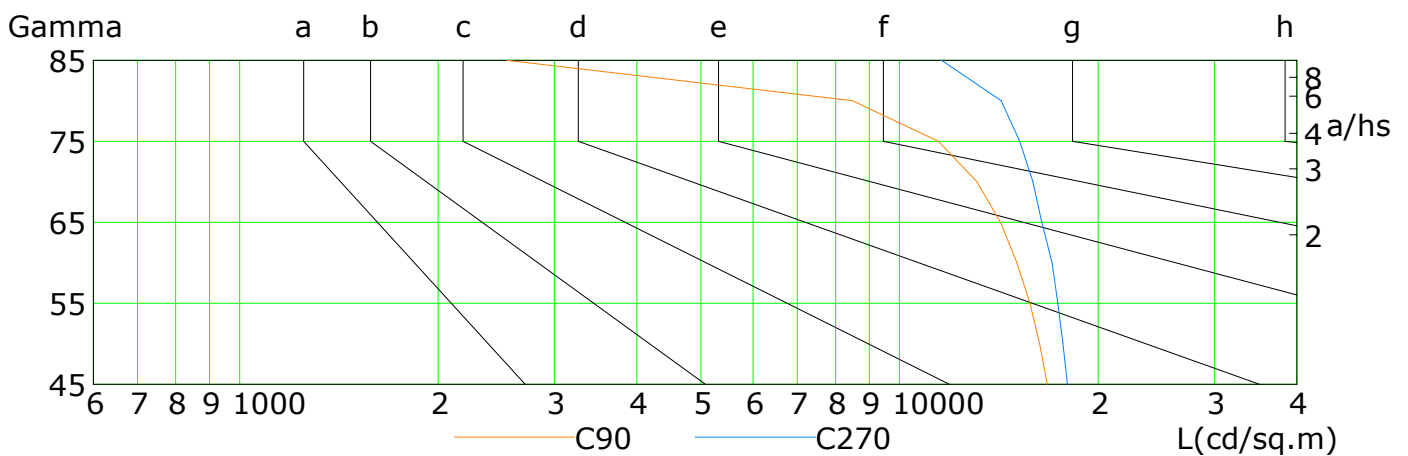
Humidity:

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	17455	17130	16709	16208	15541	14717	13637	12239	9773
C90	16742	16297	15760	15061	14228	13099	11453	8479	2541
C180	17635	17354	16978	16532	15966	15267	14346	13130	11104
C270	17959	17690	17384	17037	16440	15926	15214	14252	11588

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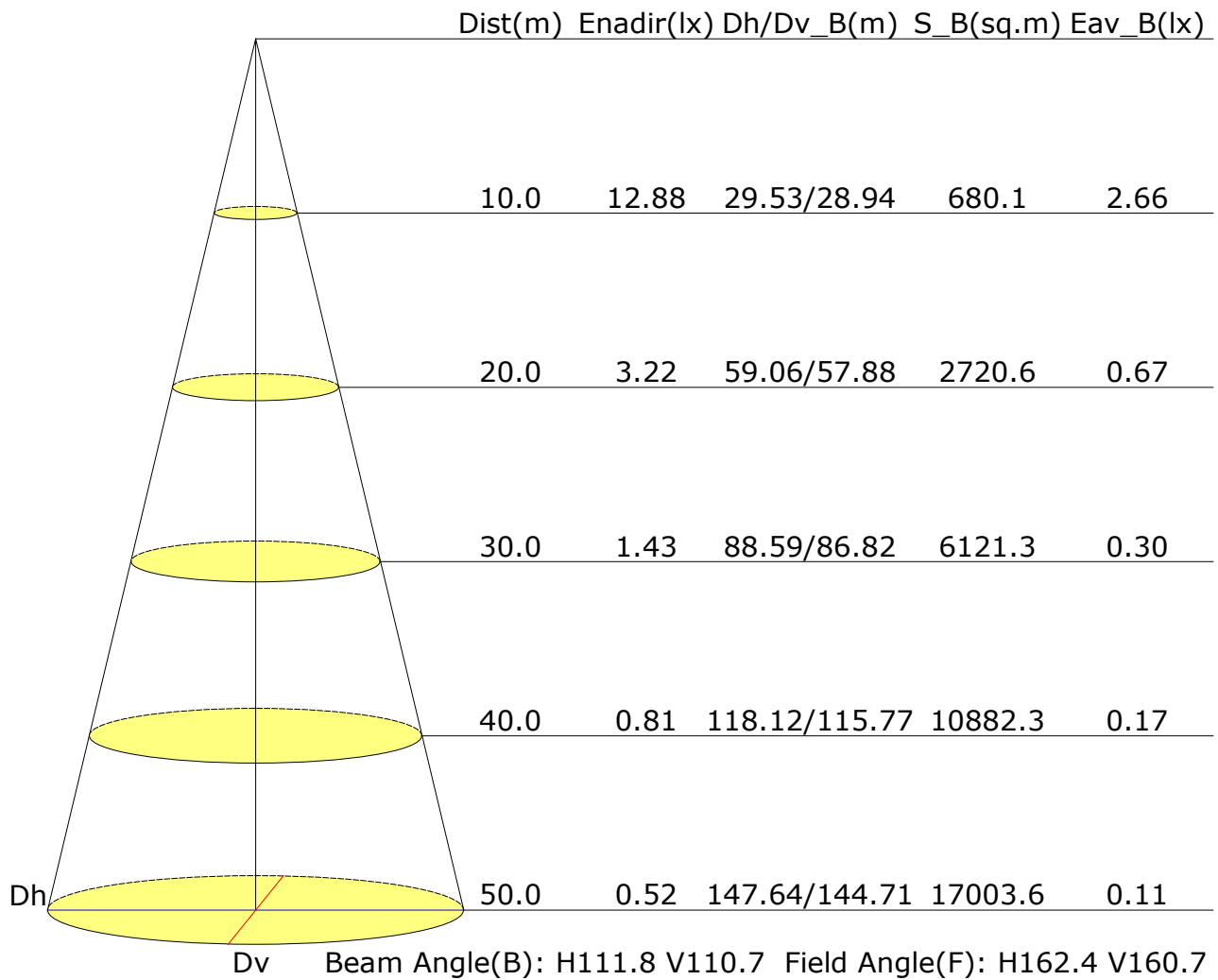
Test Device: LSG-1800B

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: