

Report No.: 1

Test Time: 23.11.2017 10:23

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 25x3LED 0,3A 30W 3000K

Luminous Length (mm): 945

Voltage: 231.4 V

Power: 28.27 W

Luminous Width (mm): 55

Current: 0.124 A

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 3305.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.2, 122.1, 136.7, 137.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.4, 112.3, 113.2, 113.3

Luminaire Efficacy Rating (LER): 116.97

Max. Intensity: 1274.08 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 3305.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1272.23 cd

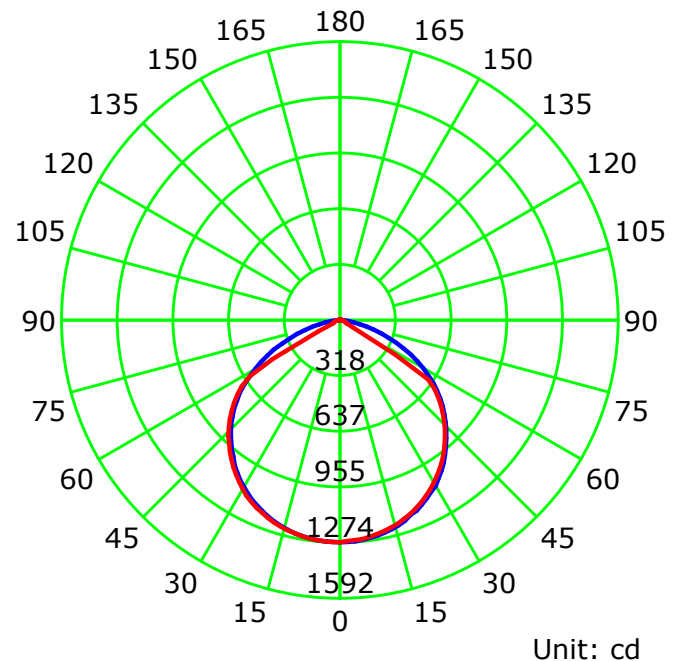
Pos of Max. Intensity: H45 V2

S/MH(C90/C270): 1.28

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

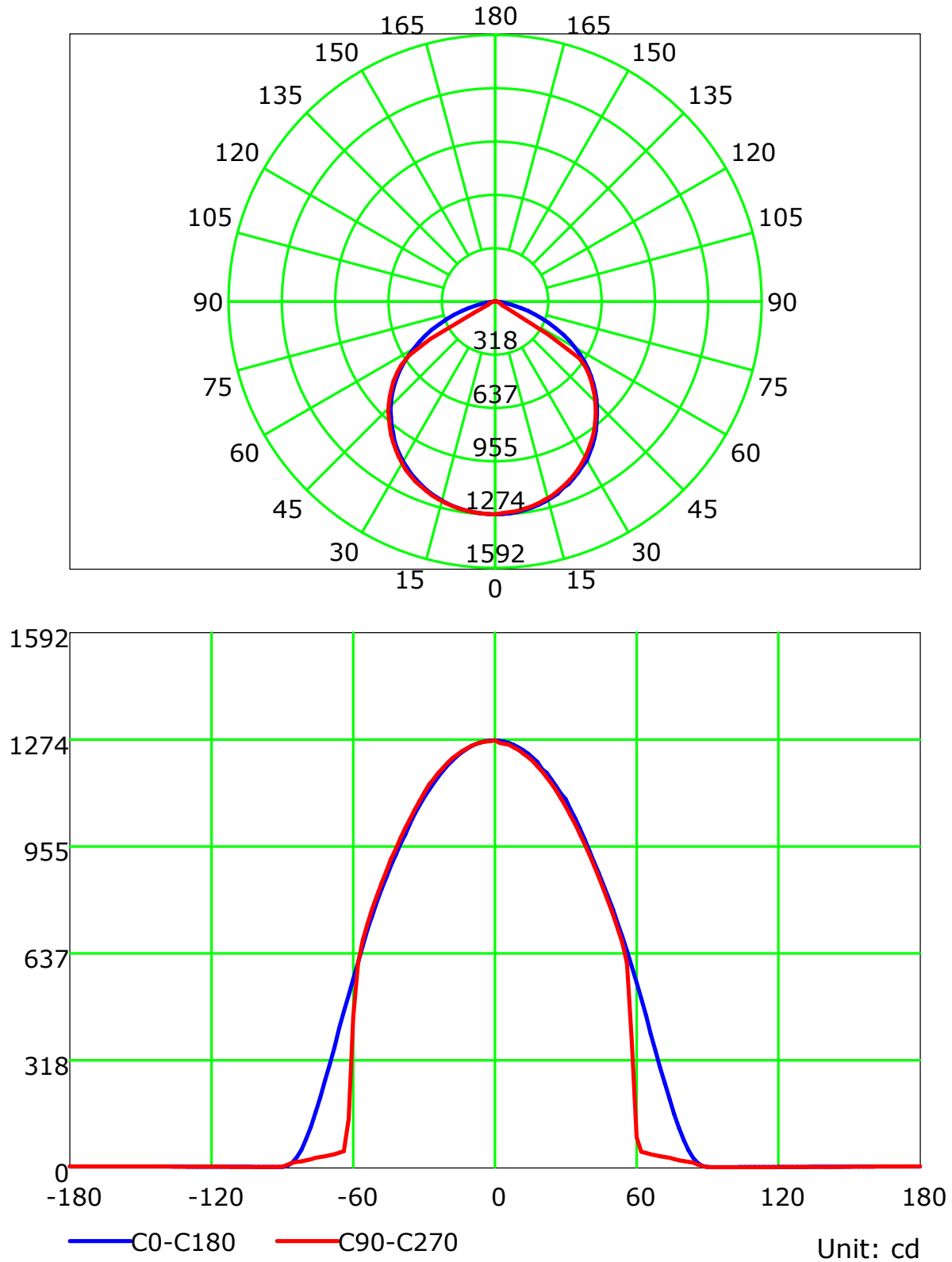
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

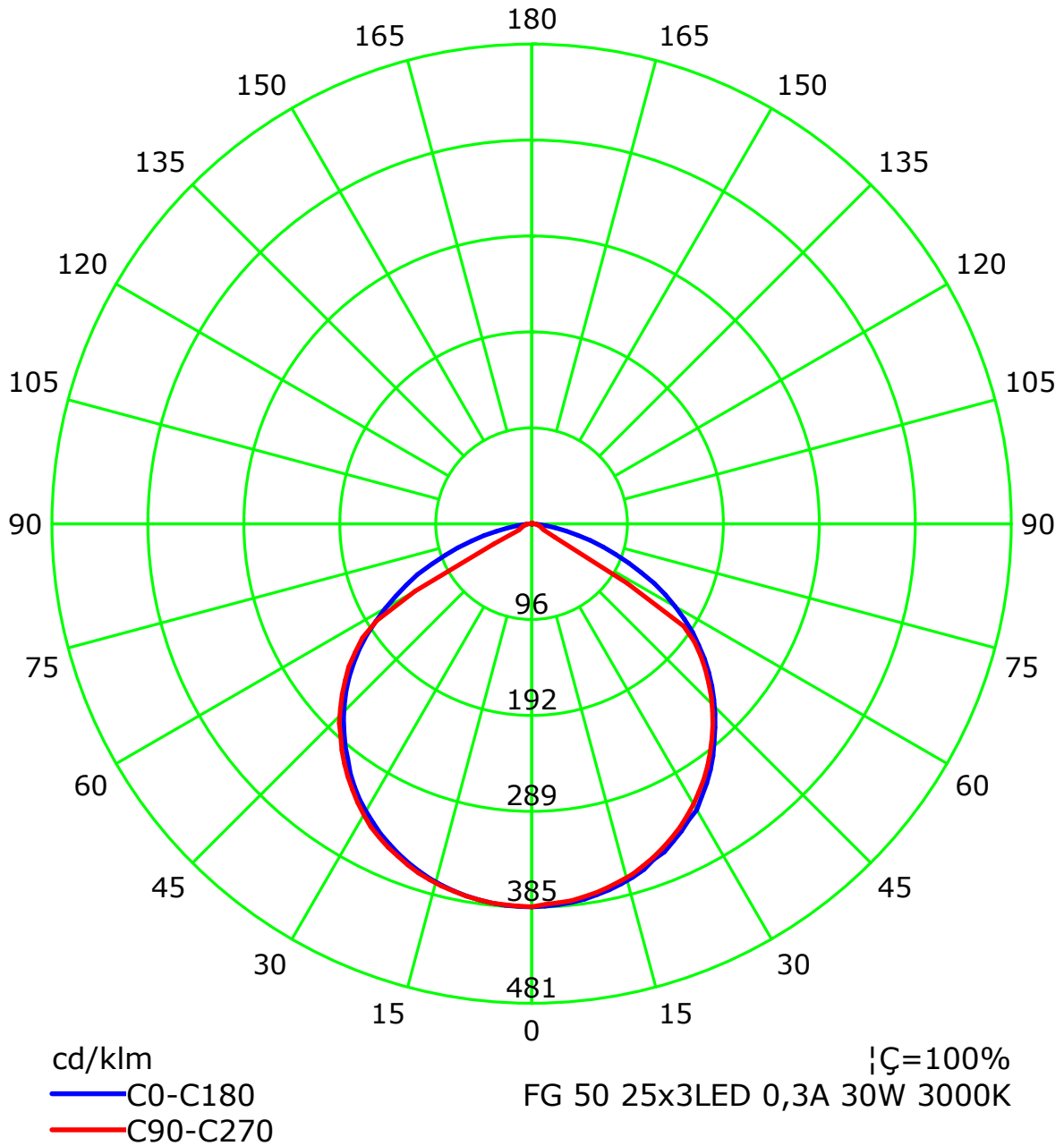
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

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Temperature:

Operator:

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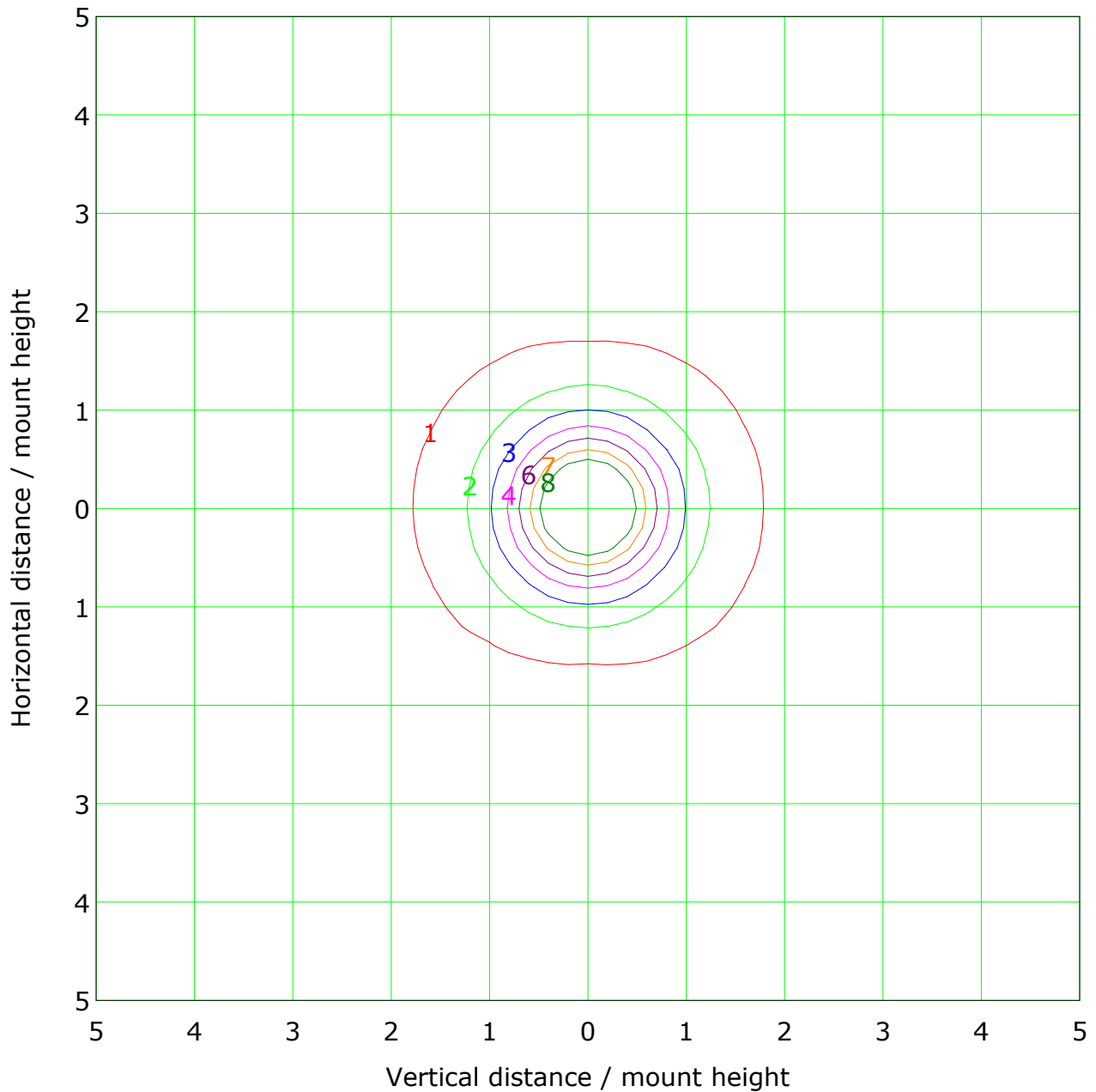
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 12.7 lx

(5%): 0.6 lx	(15%): 1.9 lx
(25%): 3.2 lx	(35%): 4.5 lx
(45%): 5.7 lx	(55%): 7.0 lx
(65%): 8.3 lx	

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Distance: 12.606 m

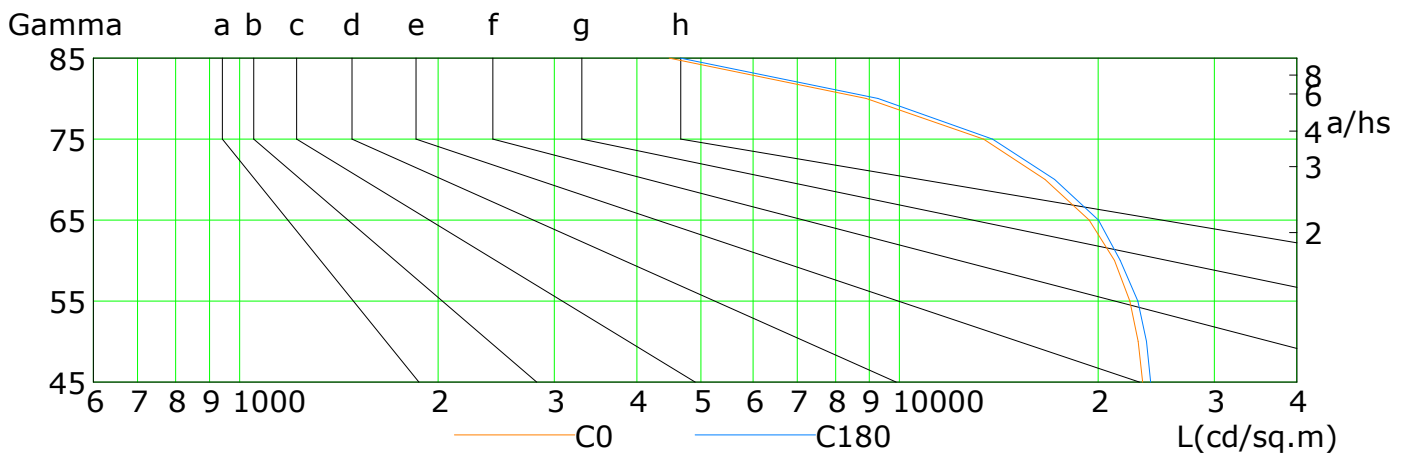
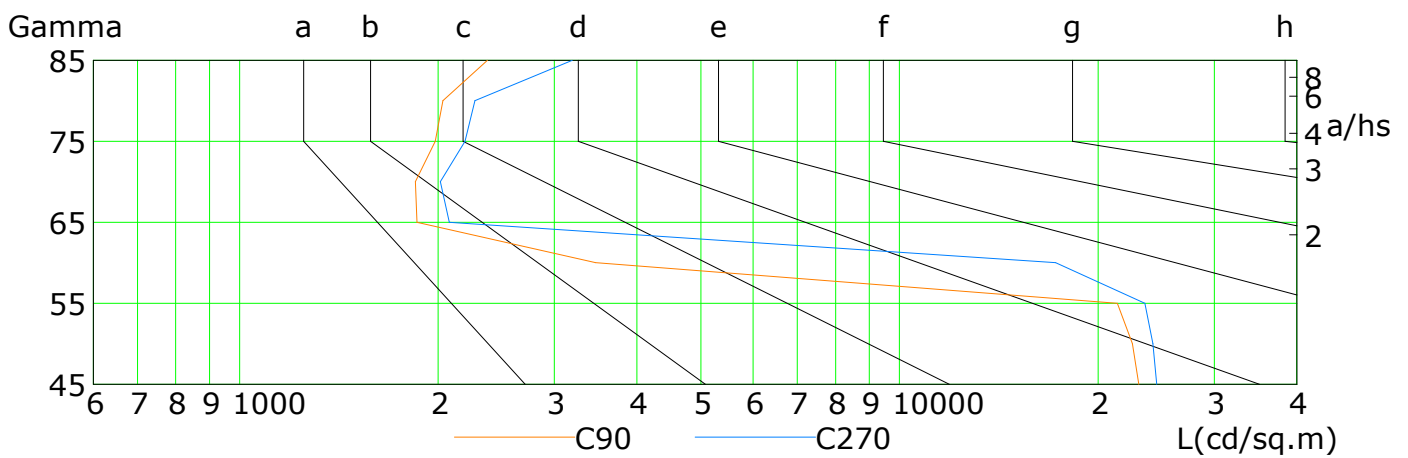
Humidity:

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	23372	22988	22330	21178	19383	16623	13412	8904	4478
C90	23042	22534	21399	3462	1858	1847	1979	2033	2373
C180	24013	23680	22974	21598	20027	17181	13828	9273	4657
C270	24534	24200	23538	17233	2078	2016	2196	2274	3193

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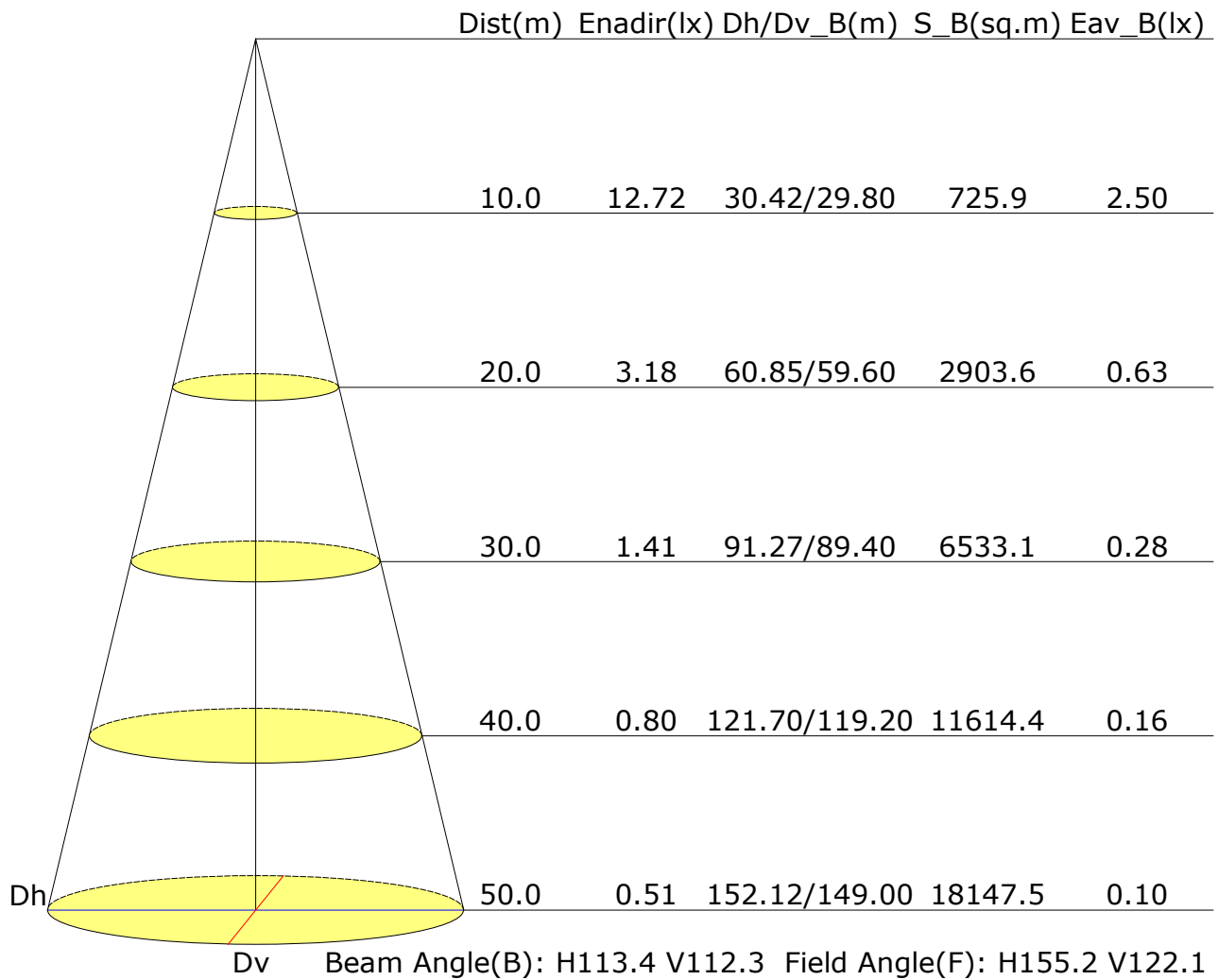
Test Device: LSG-1800B

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: