

Report No.: 48

Test Time: 10.01.2018 15:07

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 4x30LED 0,6A 75W 3000K

Luminous Length (mm): 1545

Voltage: 230.8 V

Power: 76.43 W

Luminous Width (mm): 55

Current: 0.335 A

Power Factor: 0.986

Photometric Results

CIE Class: Direct

Measurement Flux: 5618.9 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.9, 160.7, 161.8, 161.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.5, 111.1, 111.7, 111.1

Luminaire Efficacy Rating (LER): 73.57

Max. Intensity: 2001.18 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 5618.9 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1981.52 cd

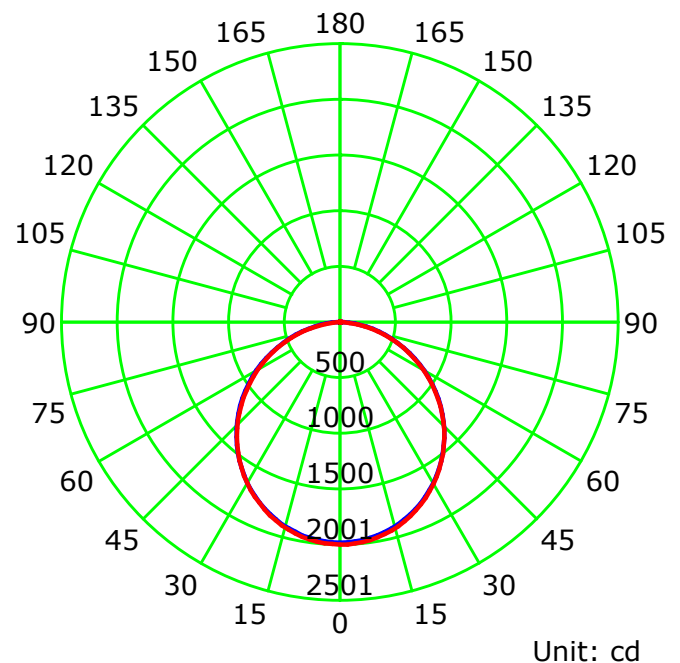
Pos of Max. Intensity: H90 V0

S/MH(C90/C270): 1.25

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

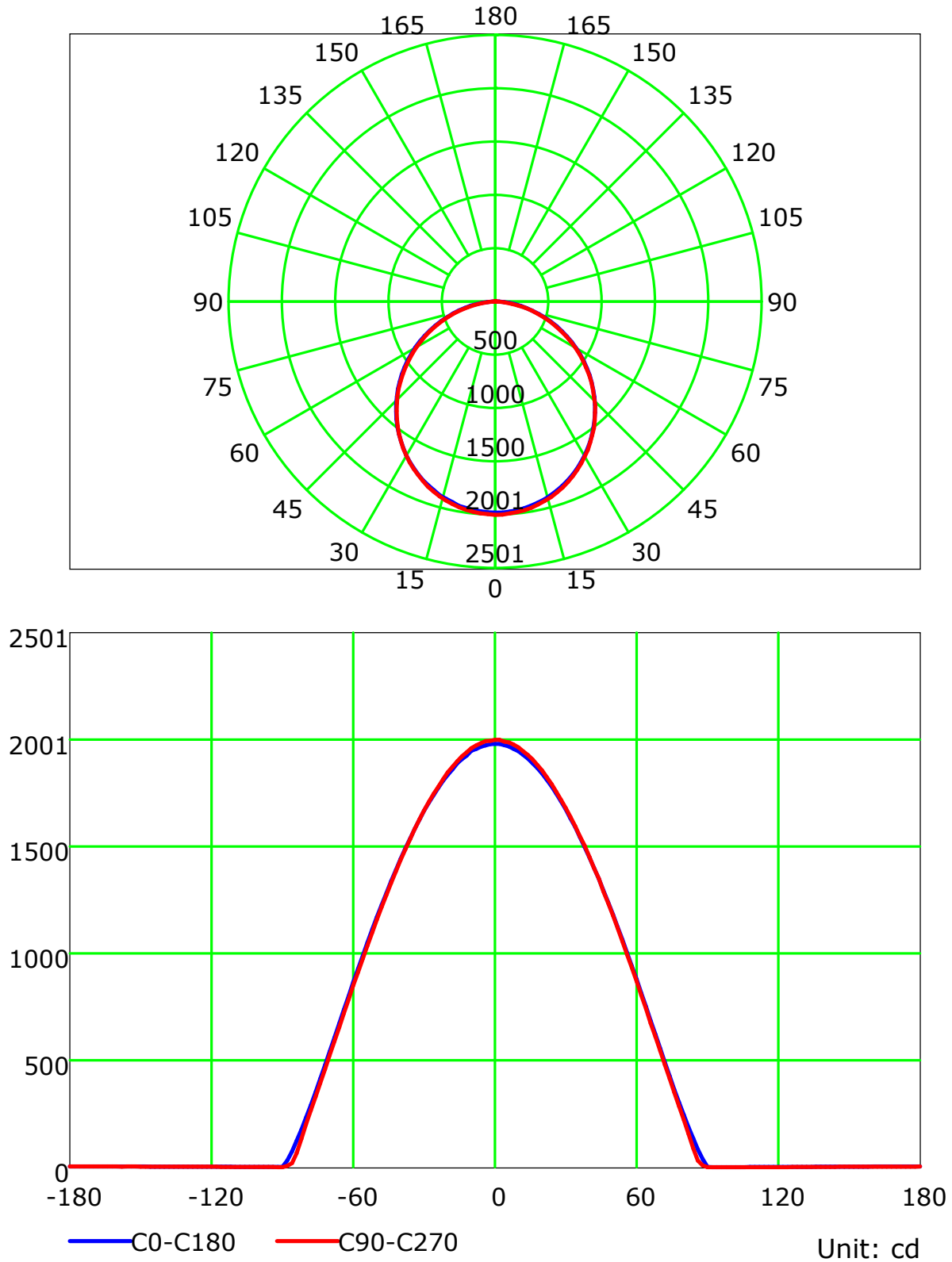
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

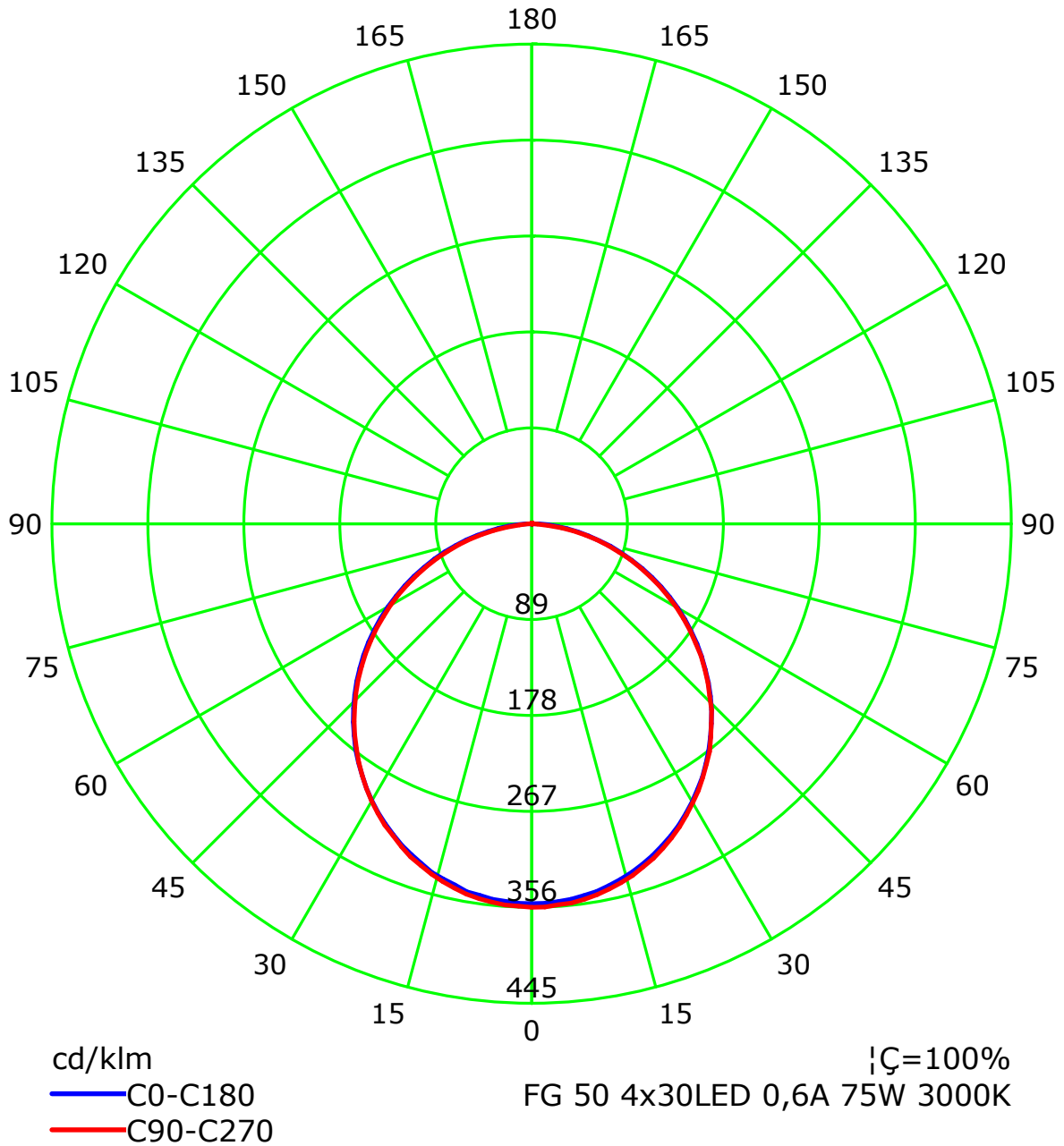
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

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Temperature:

Operator:

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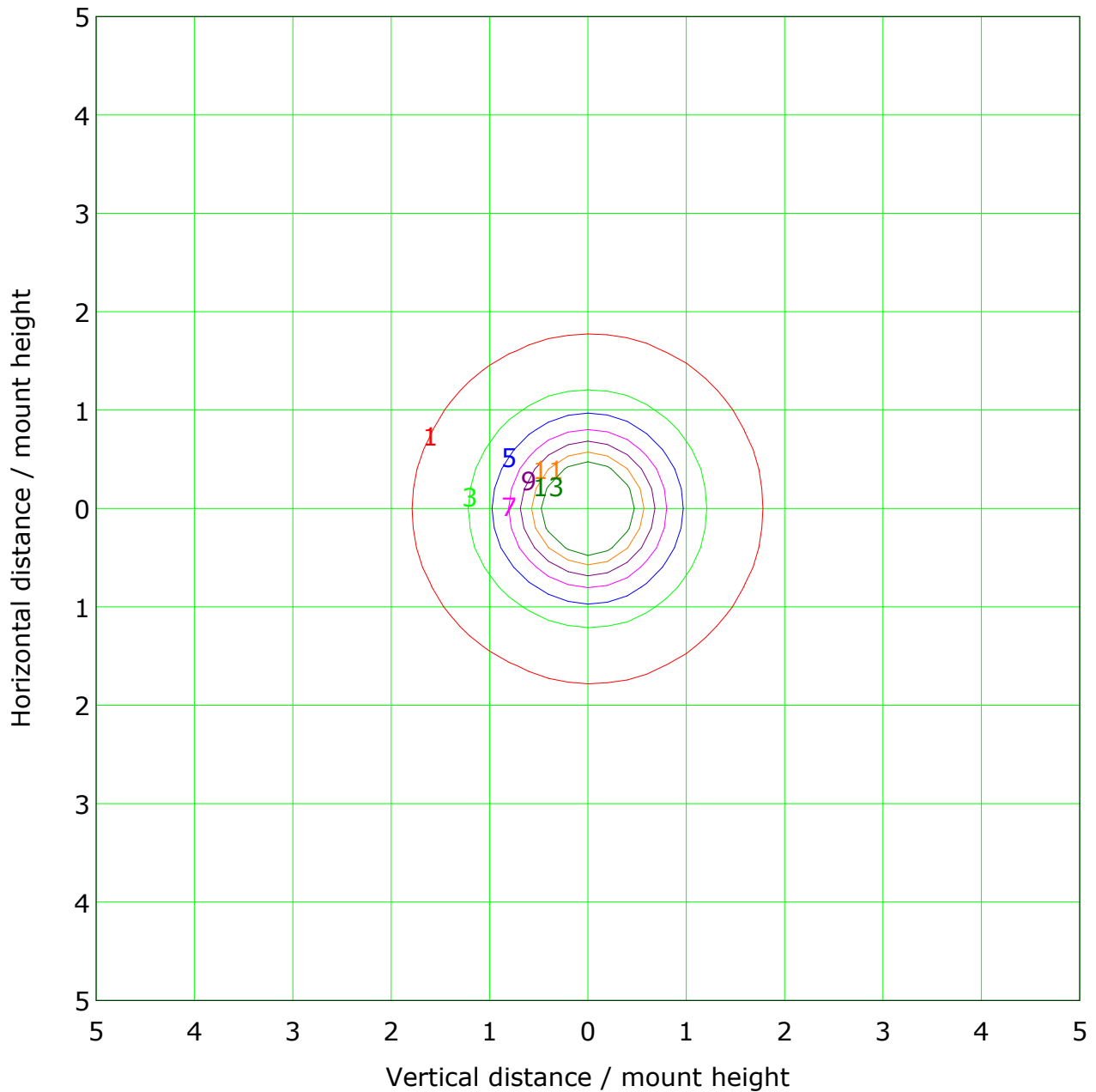
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 20.0 lx

(5%): 1.0 lx	(15%): 3.0 lx
(25%): 5.0 lx	(35%): 7.0 lx
(45%): 9.0 lx	(55%): 11.0 lx
(65%): 13.0 lx	

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Temperature:

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Test Device: LSG-1800B

Distance: 12.654 m

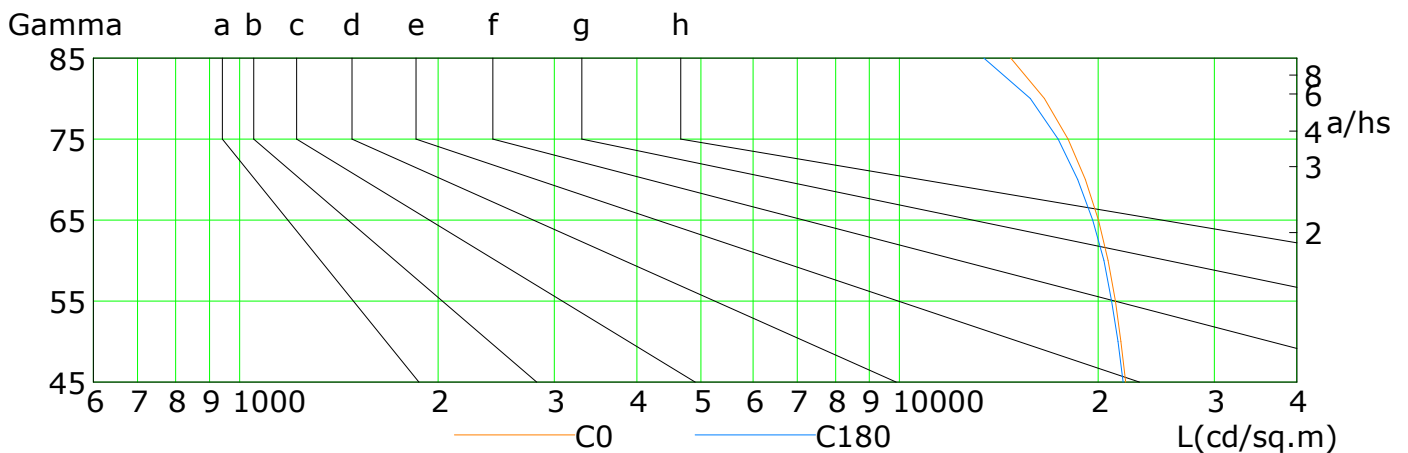
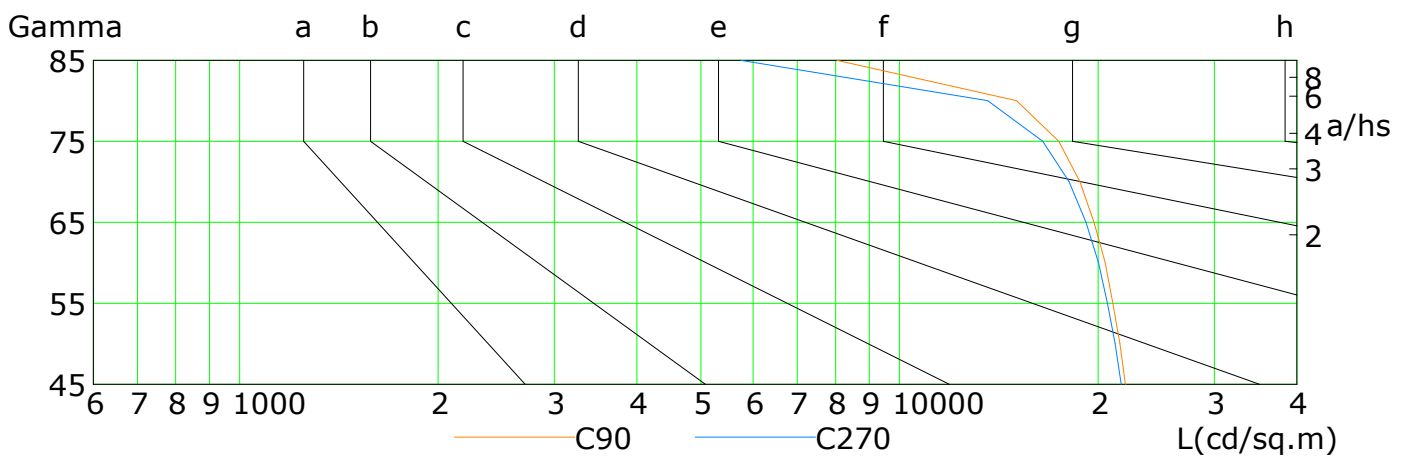
Humidity:

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	22027	21661	21244	20703	20028	19133	18009	16575	14749
C90	21990	21582	21064	20501	19722	18762	17427	15042	8036
C180	21827	21442	20969	20403	19630	18619	17403	15777	13430
C270	21679	21218	20668	20026	19163	18061	16485	13612	5749

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Operator:

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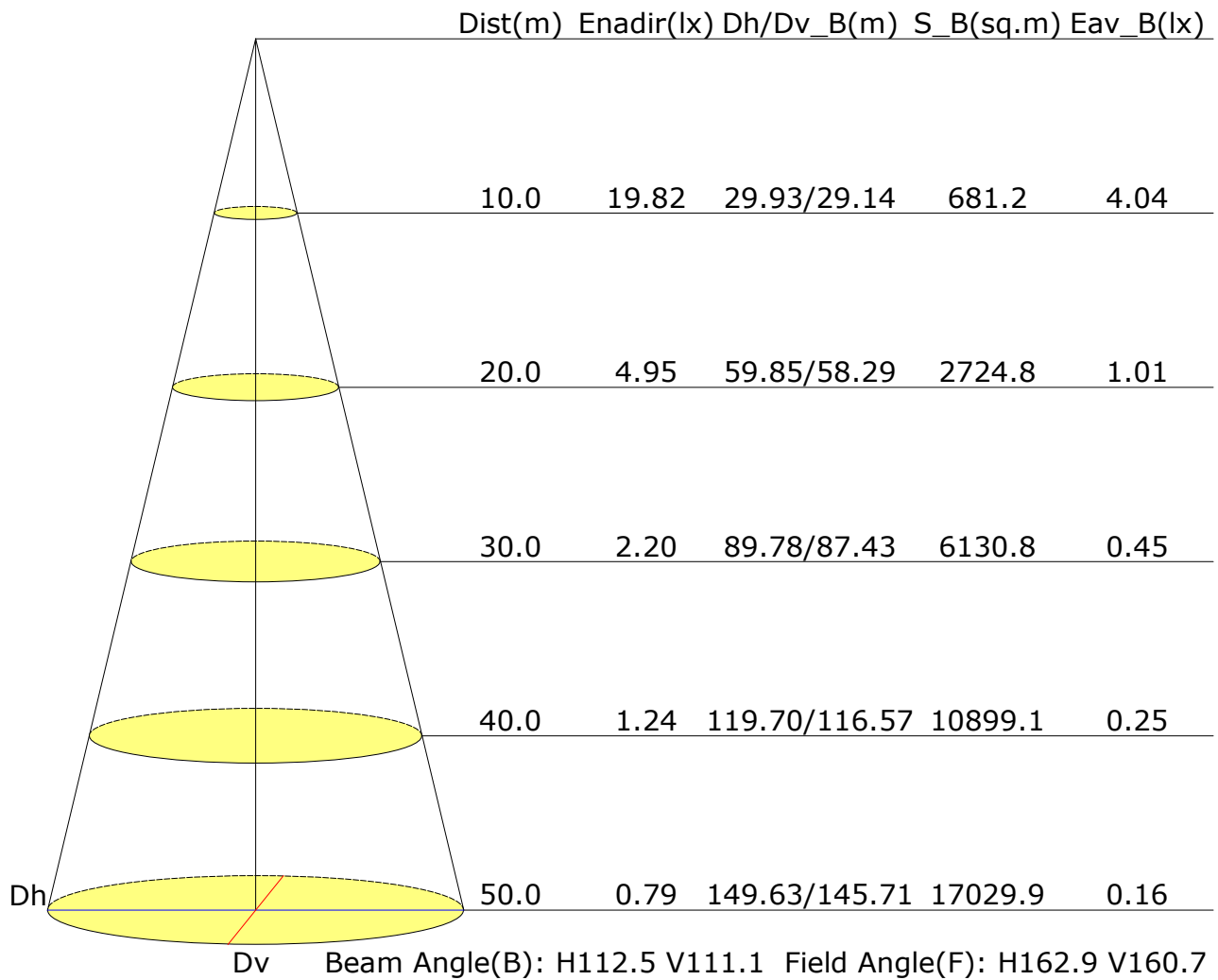
Test Device: LSG-1800B

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: