

Report No.: 22

Test Time: 24.10.2017 11:26

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 3x25LED 0,3A 40W 5000K

Lamp Description: LED

Luminous Length (mm): 945

Luminous Width (mm): 55

Voltage: 231.2 V

Current: 0.177 A

Power: 40.59 W

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Measurement Flux: 3243.1 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 3243.1 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.7, 160.3, 161.7, 161.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.8, 110.4, 111.1, 111.3

Luminaire Efficacy Rating (LER): 79.95

Central Intensity: 1146.93 cd

Max. Intensity: 1149.52 cd

Pos of Max. Intensity: H22.5 V0

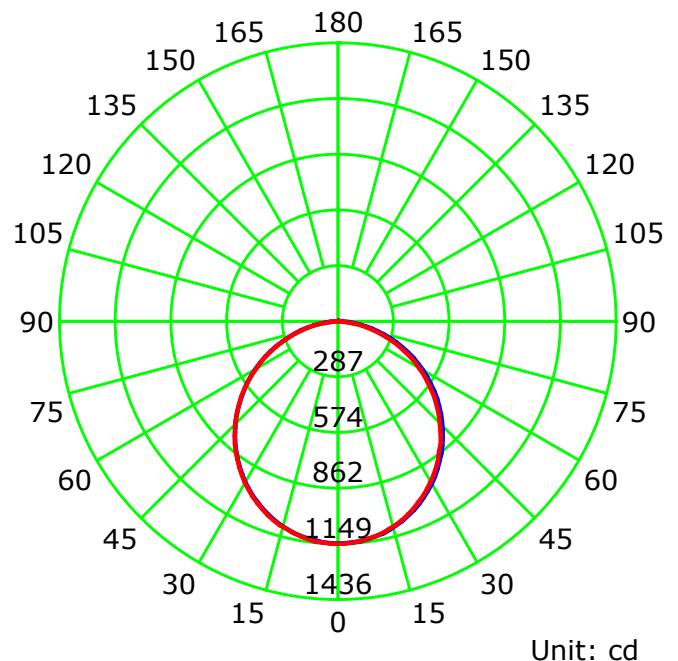
S/MH(C0/C180): 1.25

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

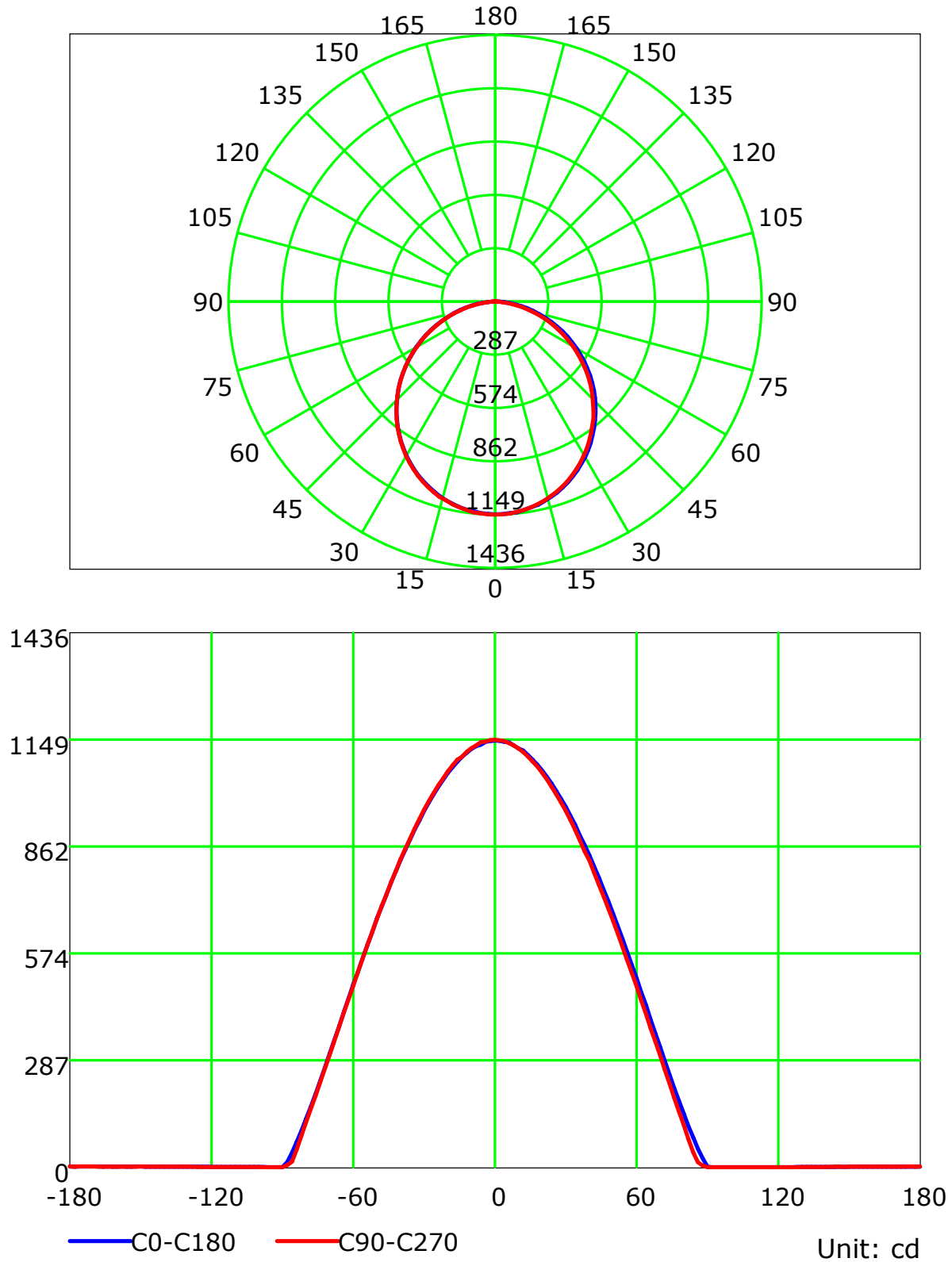
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

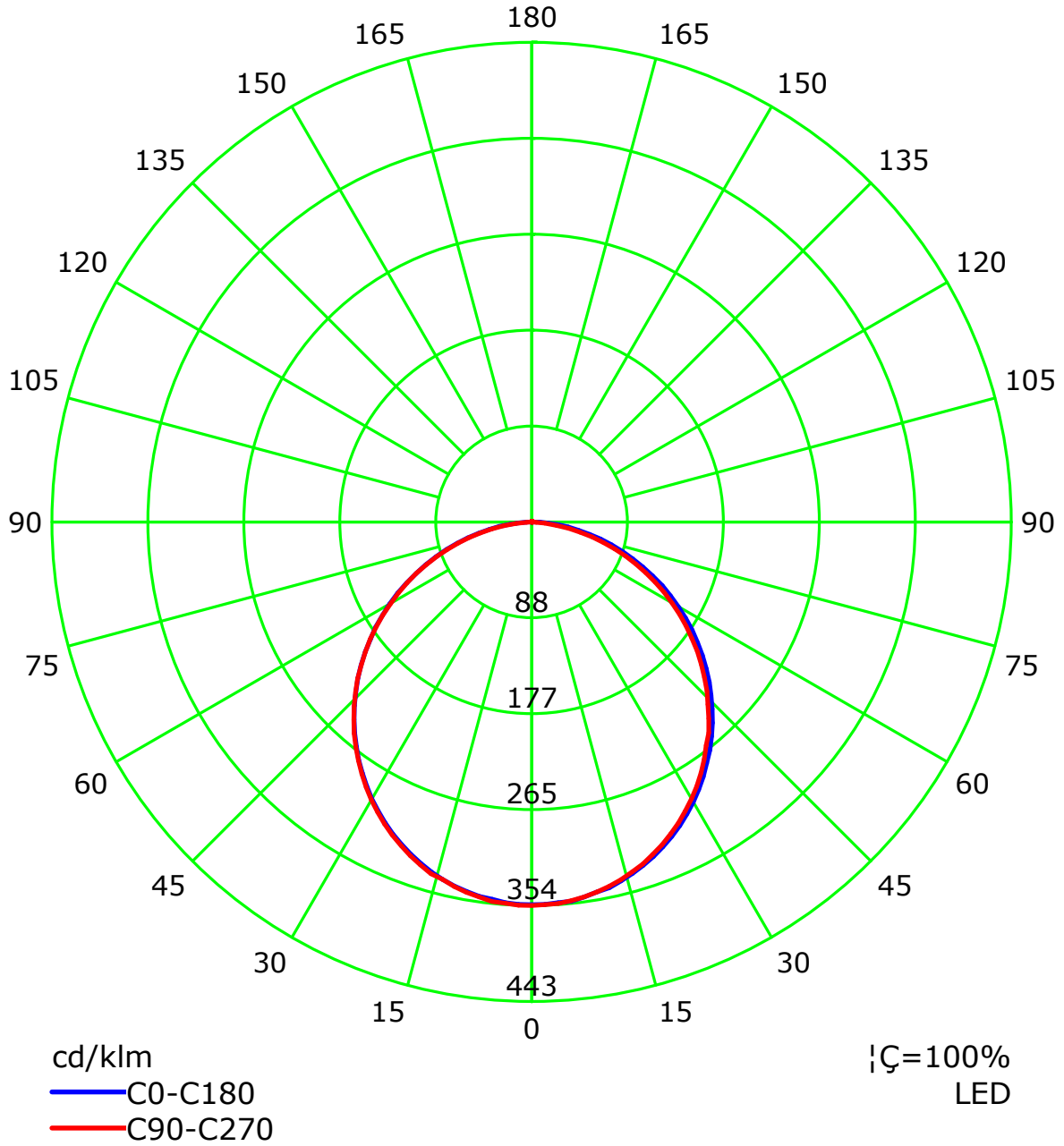
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

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Temperature:

Operator:

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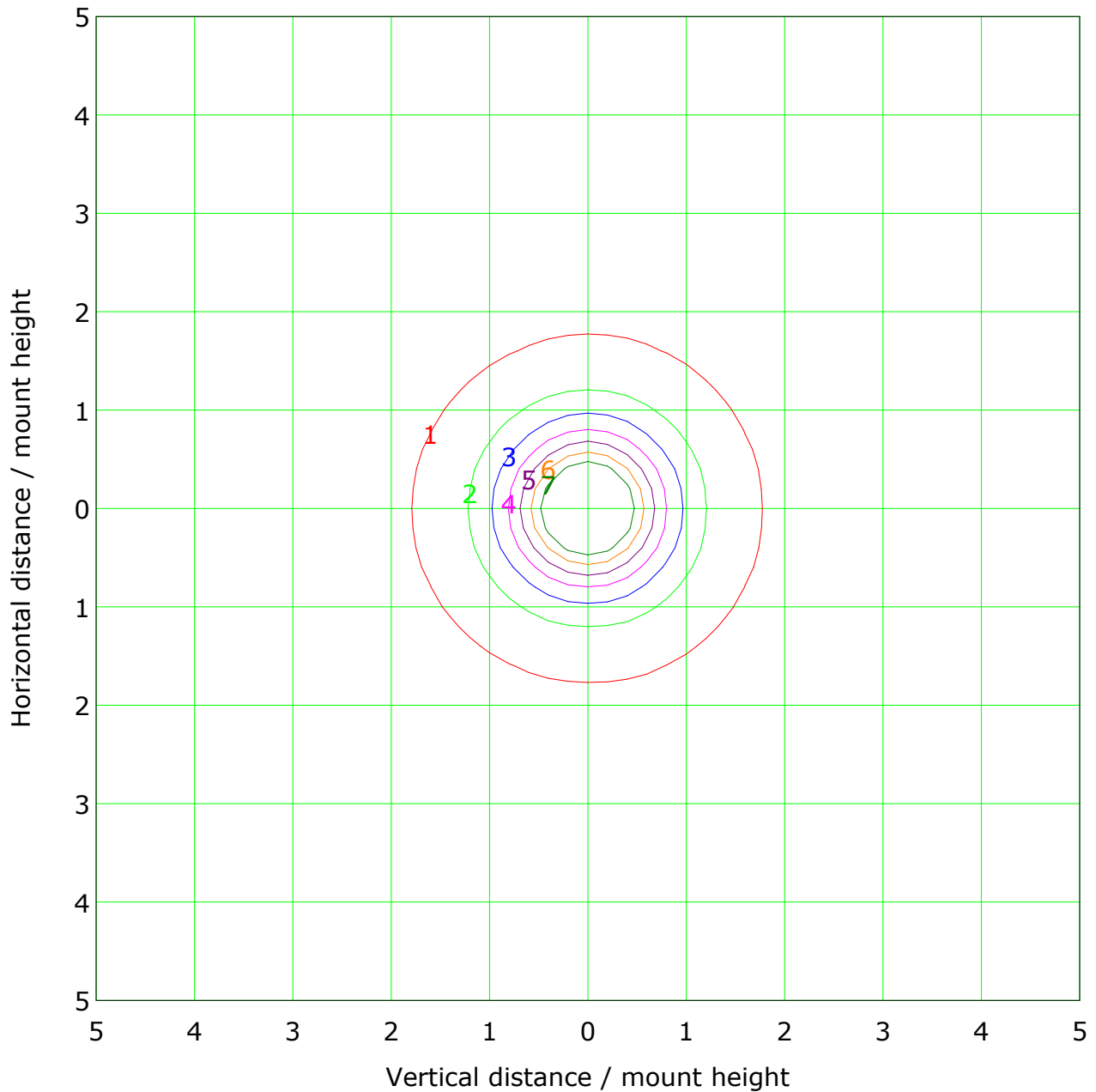
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 11.5 lx

(5%): 0.6 lx	(15%): 1.7 lx
(25%): 2.9 lx	(35%): 4.0 lx
(45%): 5.2 lx	(55%): 6.3 lx
(65%): 7.5 lx	

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Test Device: LSG-1800B

Distance: 12.606 m

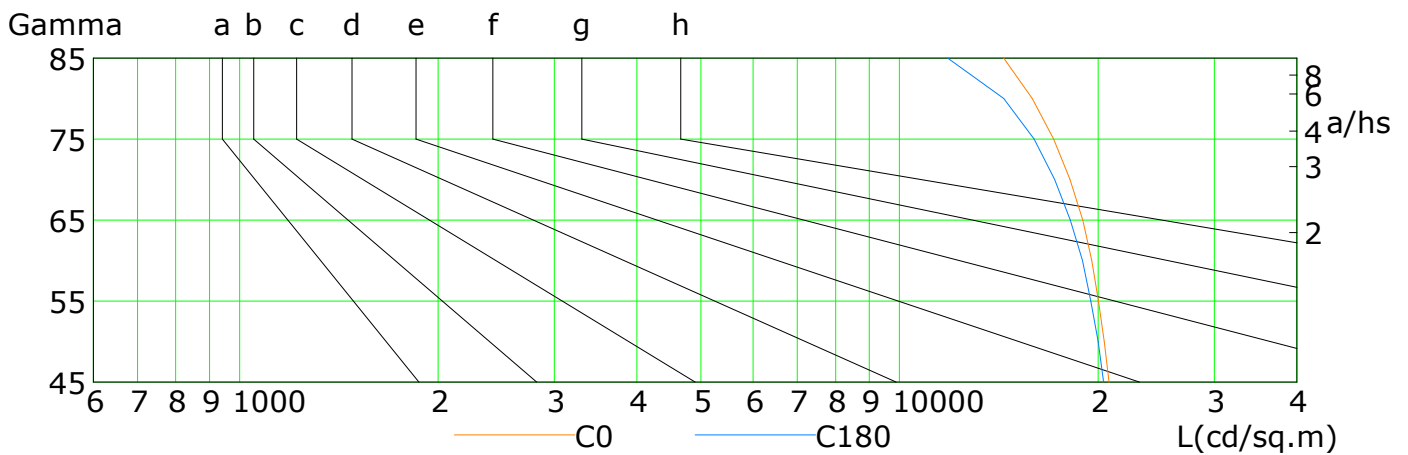
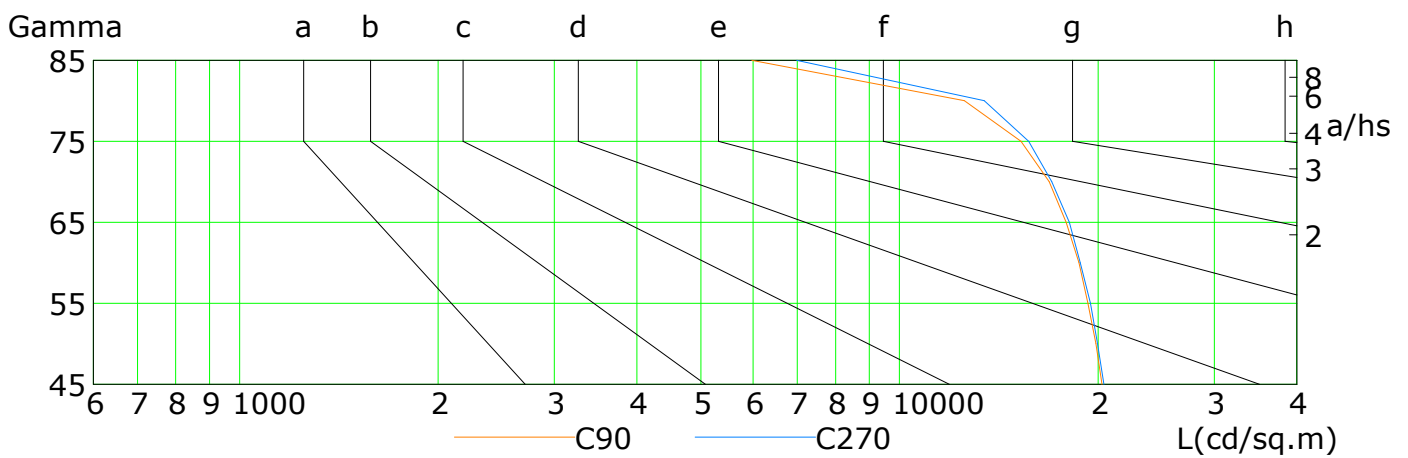
Humidity:

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	20772	20431	20031	19554	18955	18127	17130	15891	14380
C90	20275	19855	19310	18712	17891	16858	15289	12540	5970
C180	20386	20004	19494	18927	18158	17184	15996	14384	11834
C270	20404	19966	19470	18779	18092	17008	15692	13444	6986

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Operator:

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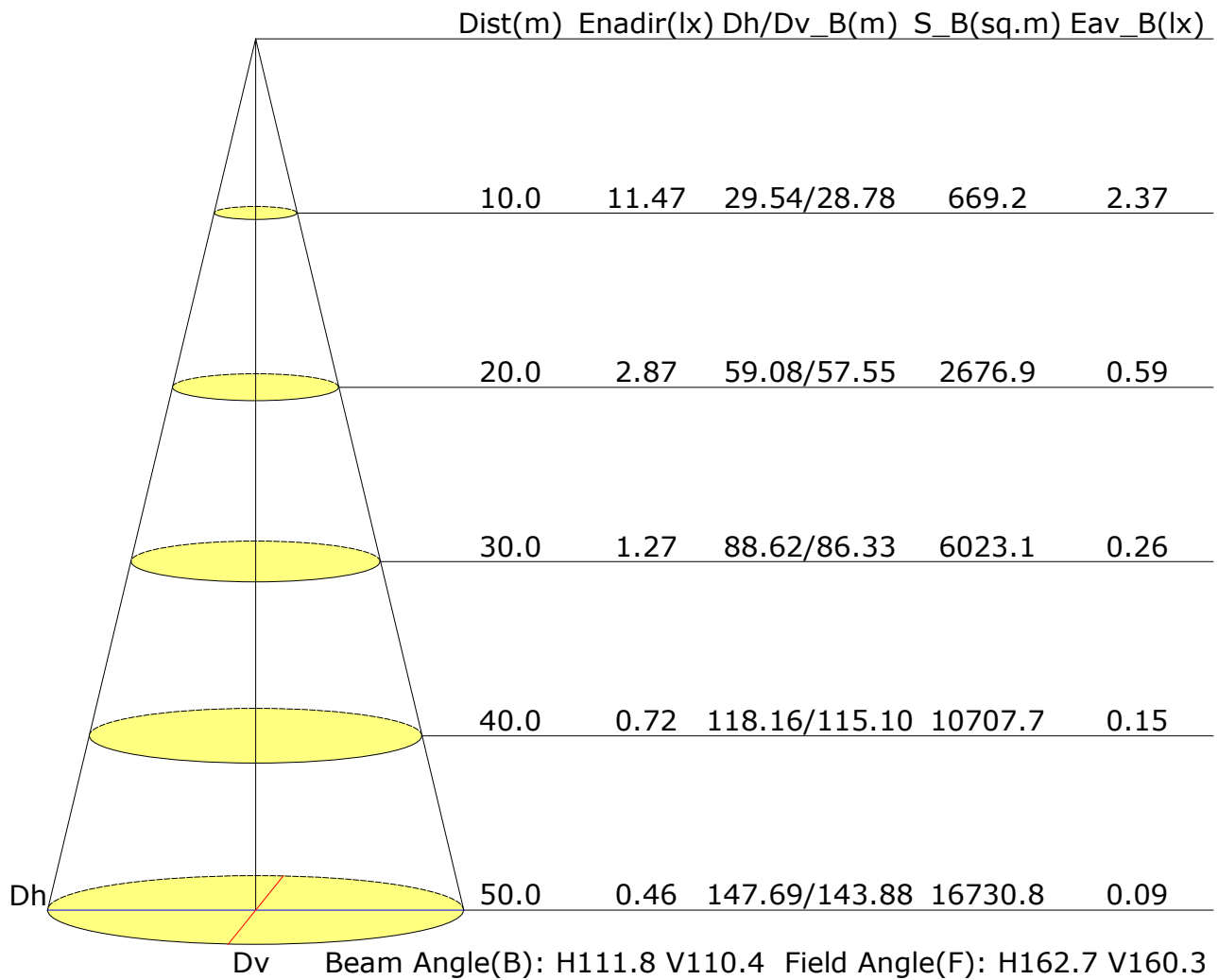
Test Device: LSG-1800B

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: