

Report No.: 18

Test Time: 16.10.2017 11:39

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 3x25LED 0,3A 40W Refond 125-127,5Lm 4000K

Lamp Description: LED

Luminous Width (mm): 55

Voltage: 231.5 V

Power: 40.52 W

Luminous Length (mm): 945

Luminous Height (mm): 85

Current: 0.177 A

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Measurement Flux: 3266.9 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.6, 160.1, 161.4, 161.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.7, 110.6, 111.0, 110.9

Luminaire Efficacy Rating (LER): 80.67

Max. Intensity: 1164.94 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 3266.9 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1149.45 cd

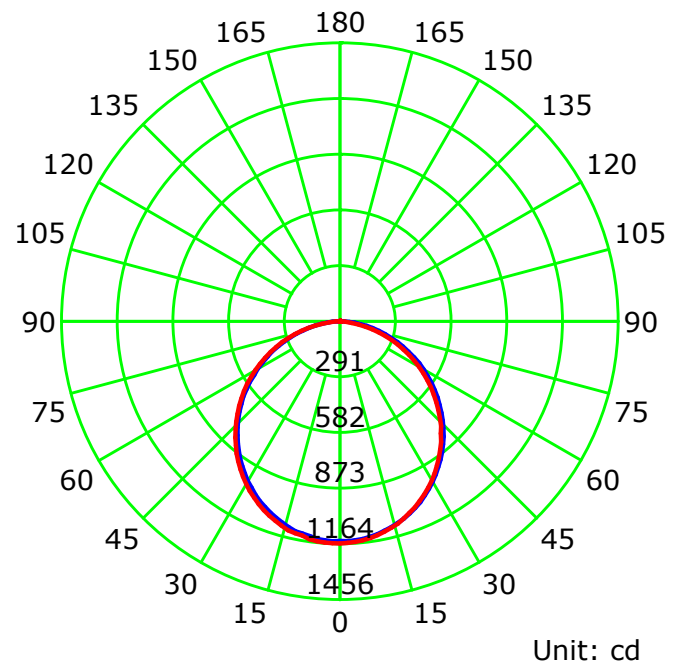
Pos of Max. Intensity: H225 V2

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

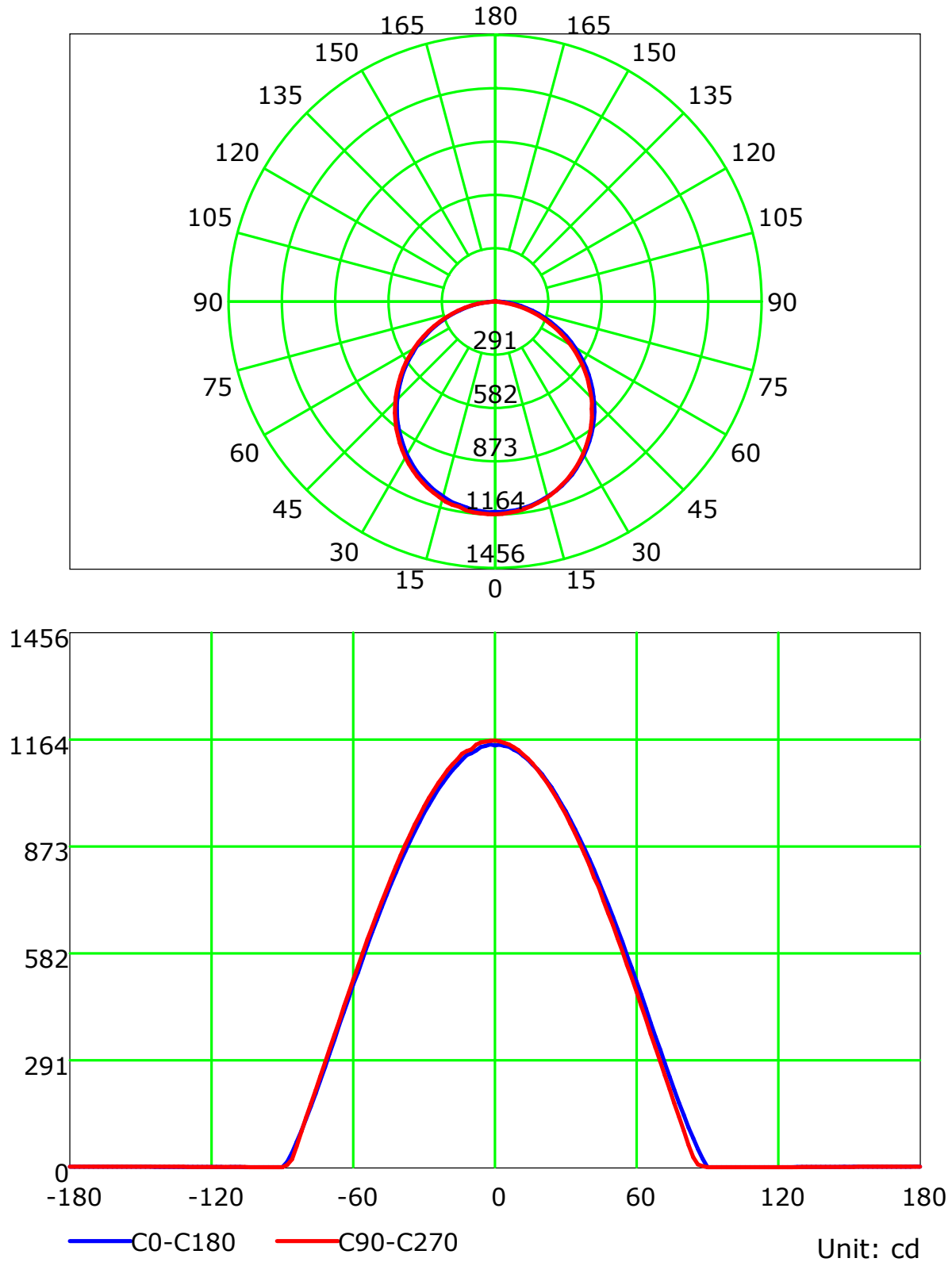
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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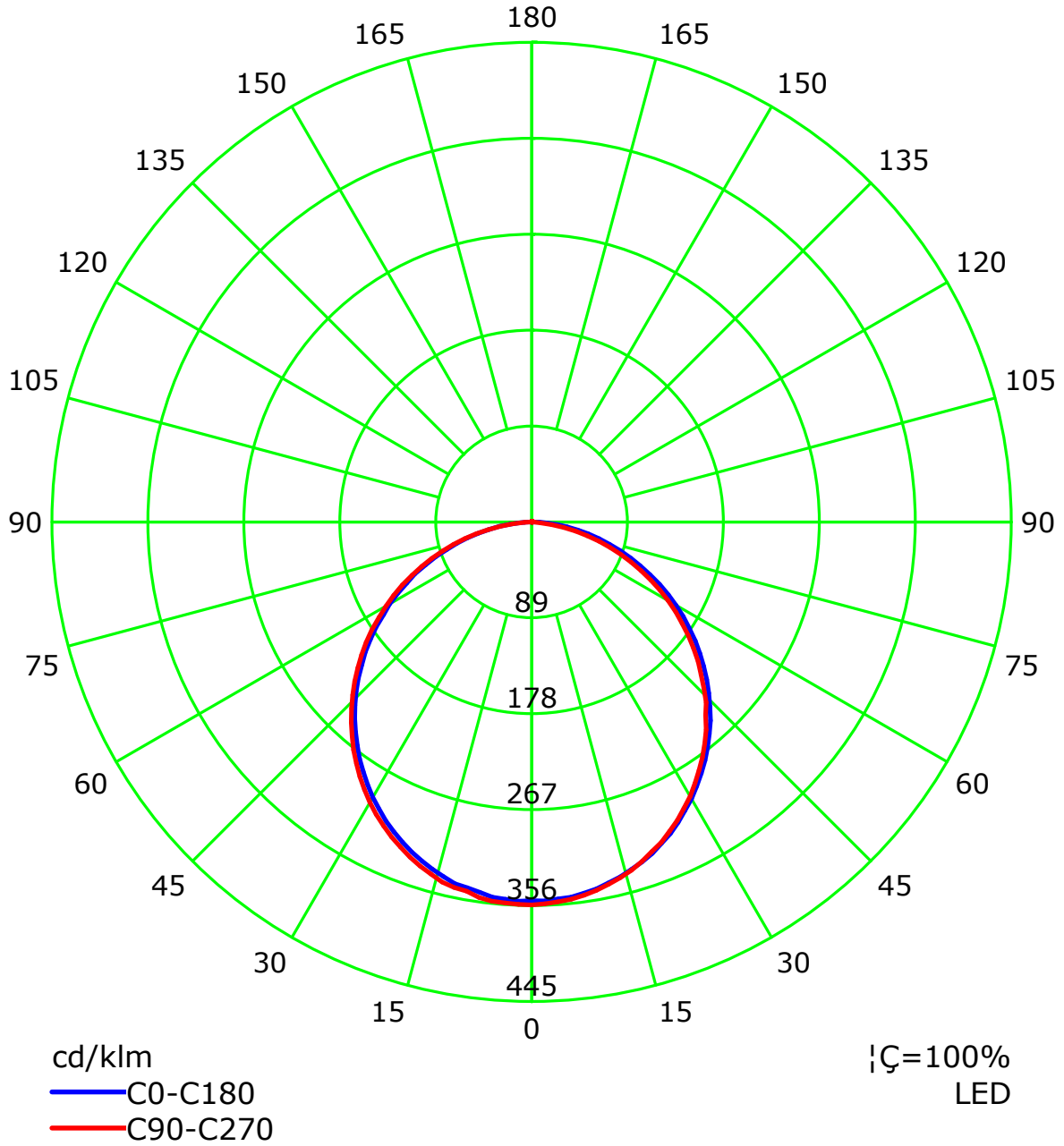
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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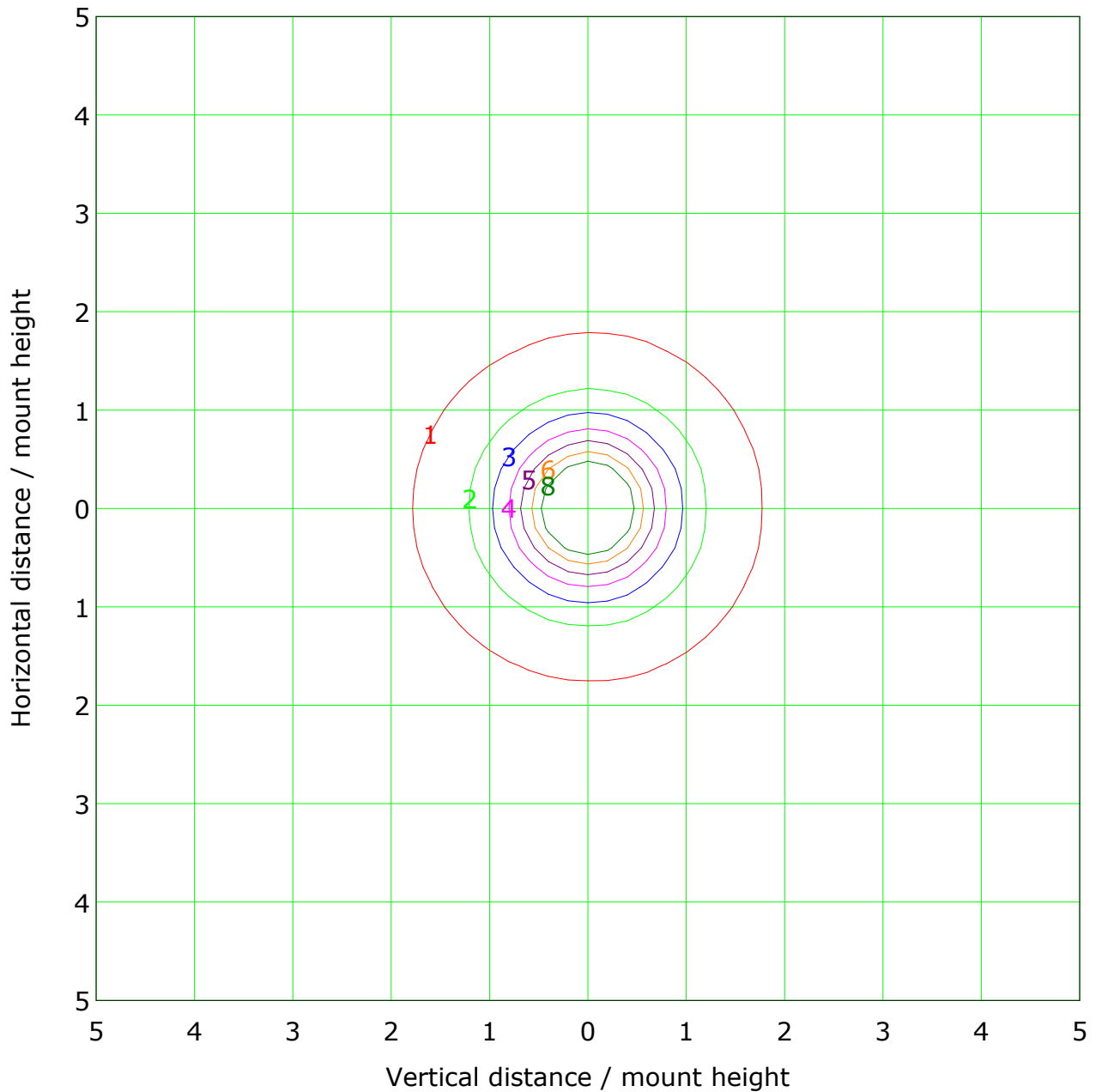
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 11.6 lx	
(5%):	0.6 lx	(15%):	1.7 lx
(25%):	2.9 lx	(35%):	4.1 lx
(45%):	5.2 lx	(55%):	6.4 lx
(65%):	7.6 lx		

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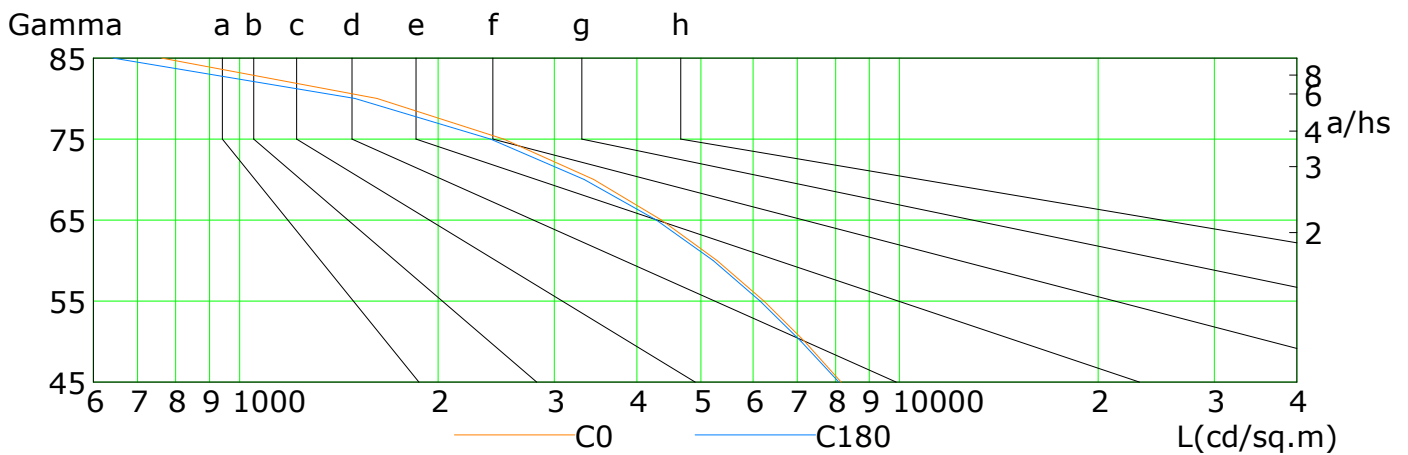
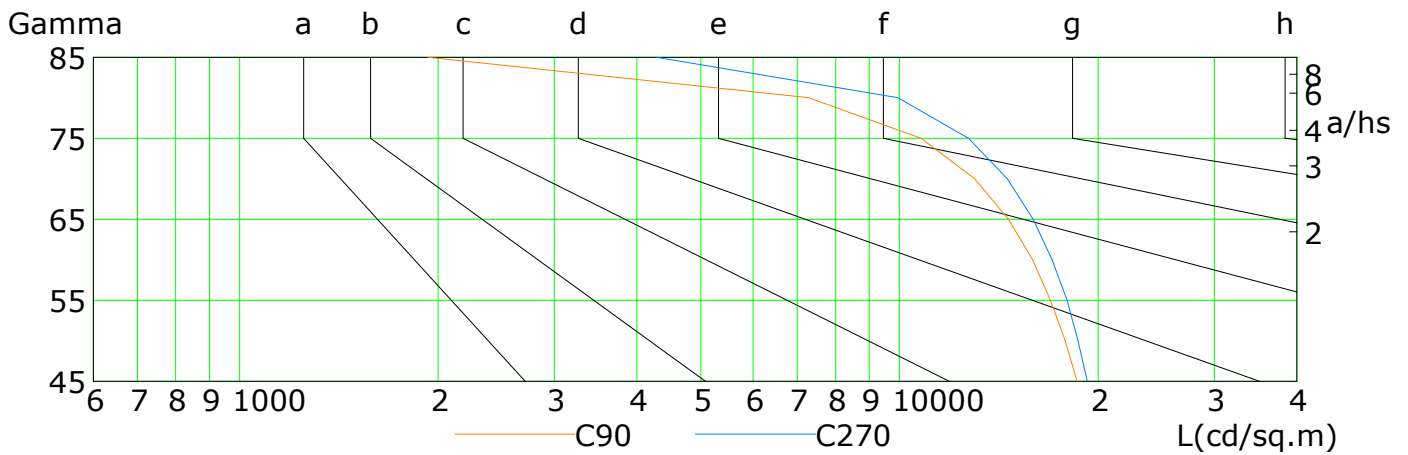
Humidity:

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	8158	7179	6232	5289	4357	3438	2513	1615	762
C90	18584	17830	16936	15914	14624	12993	10789	7283	1934
C180	8092	7096	6146	5216	4280	3325	2400	1496	644
C270	19266	18642	17944	17031	15946	14569	12726	9941	4289

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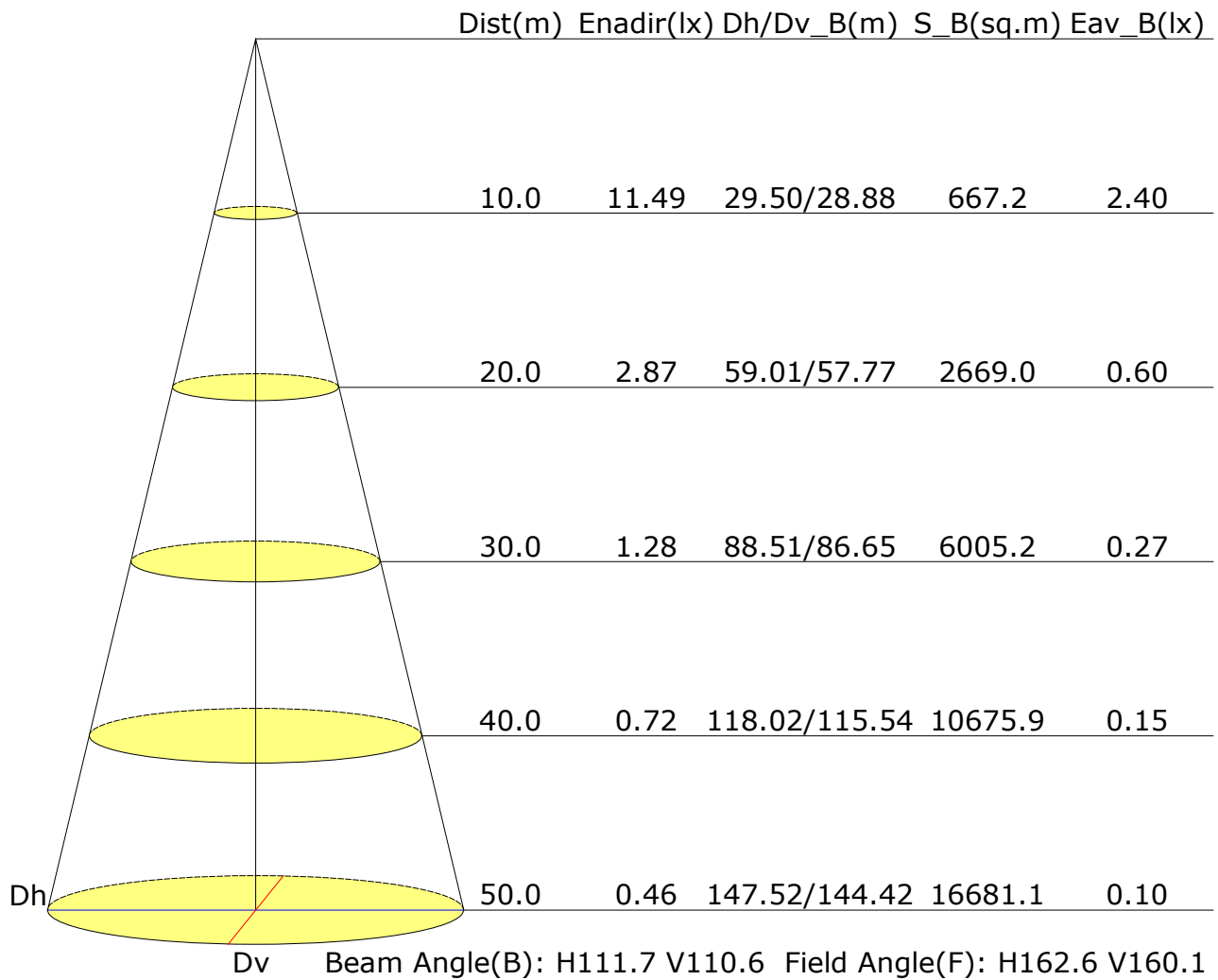
Test Device: LSG-1800B

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: