

Report No.: 1

Test Time: 21.08.2018 11:55

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 60 0,39A 40W Refond 32-34,5Lm 4000K

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 221.1 V

Power: 39.95 W

Luminous Length (mm): 1550

Luminous Height (mm): 80

Current: 0.184 A

Power Factor: 0.980

Photometric Results

CIE Class: Direct

Measurement Flux: 4506.9 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.9, 161.4, 161.7, 161.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.5, 111.3, 111.9, 111.9

Luminaire Efficacy Rating (LER): 112.86

Max. Intensity: 1586.36 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 4506.9 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1582.8 cd

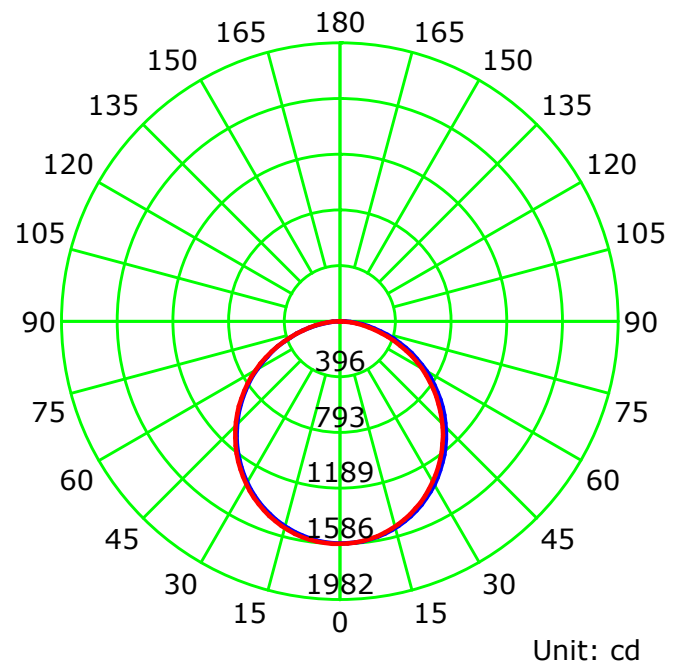
Pos of Max. Intensity: H90 V0

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

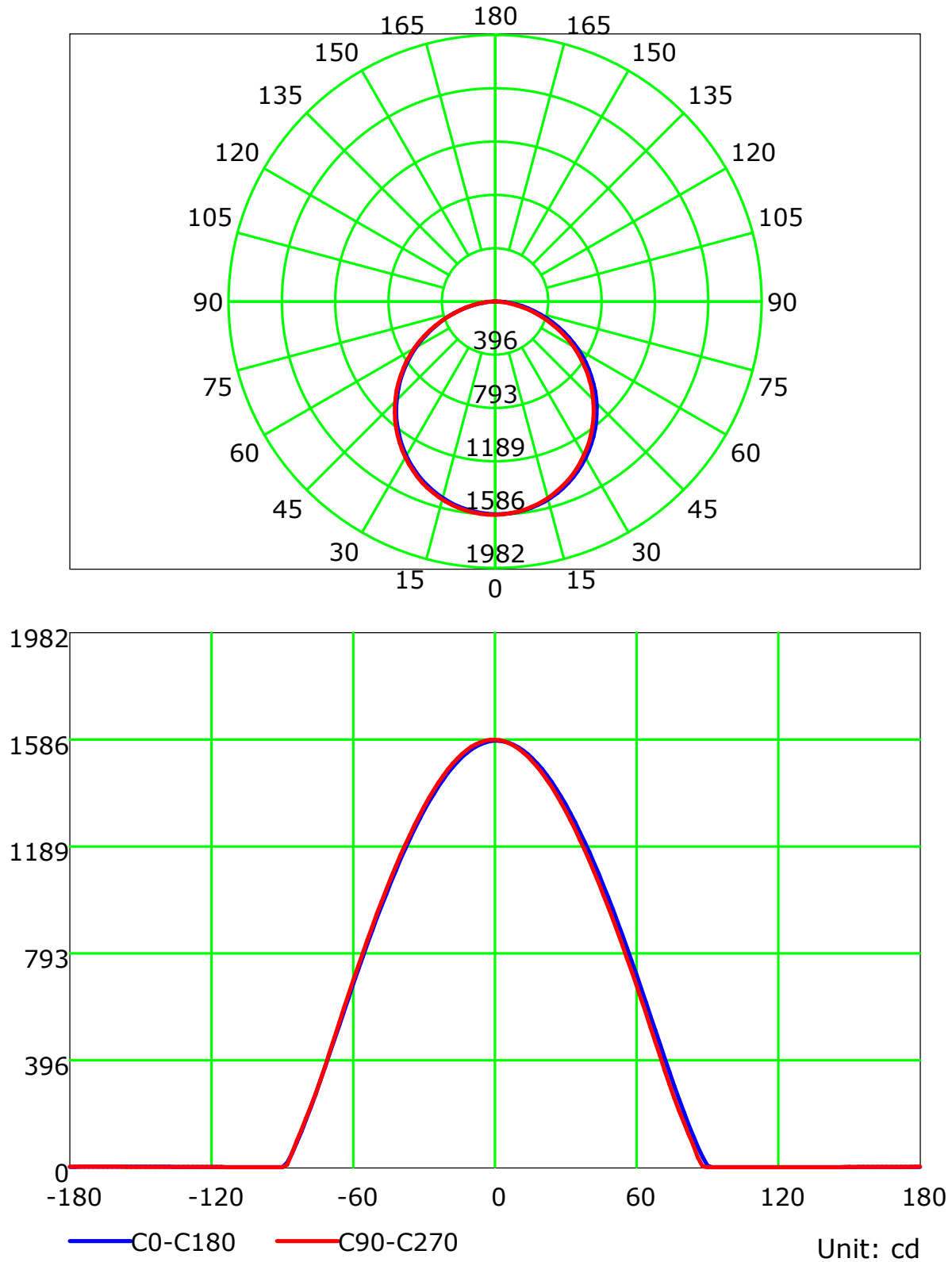
Test Device: LSG-1800B

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

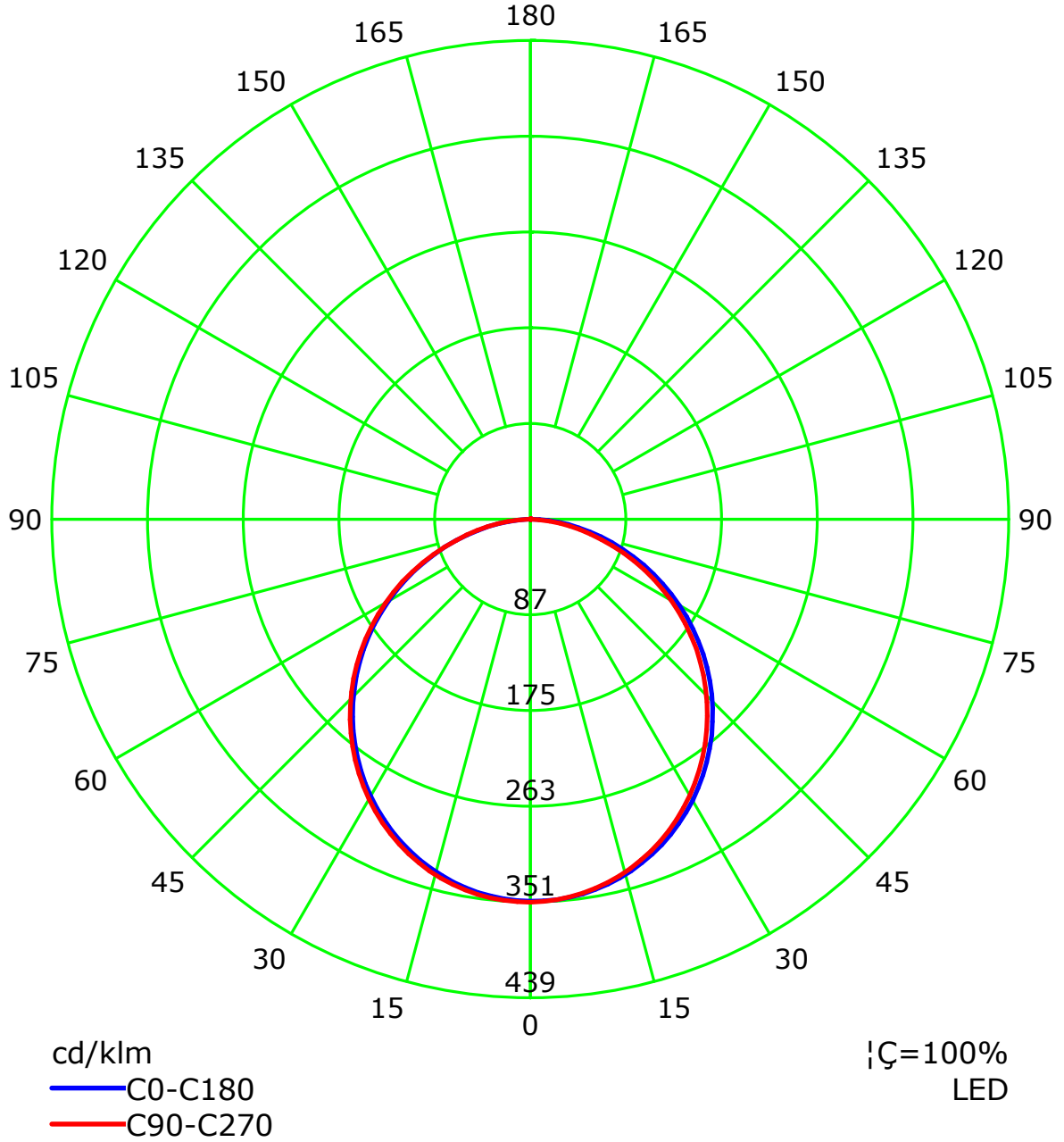
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

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Temperature:

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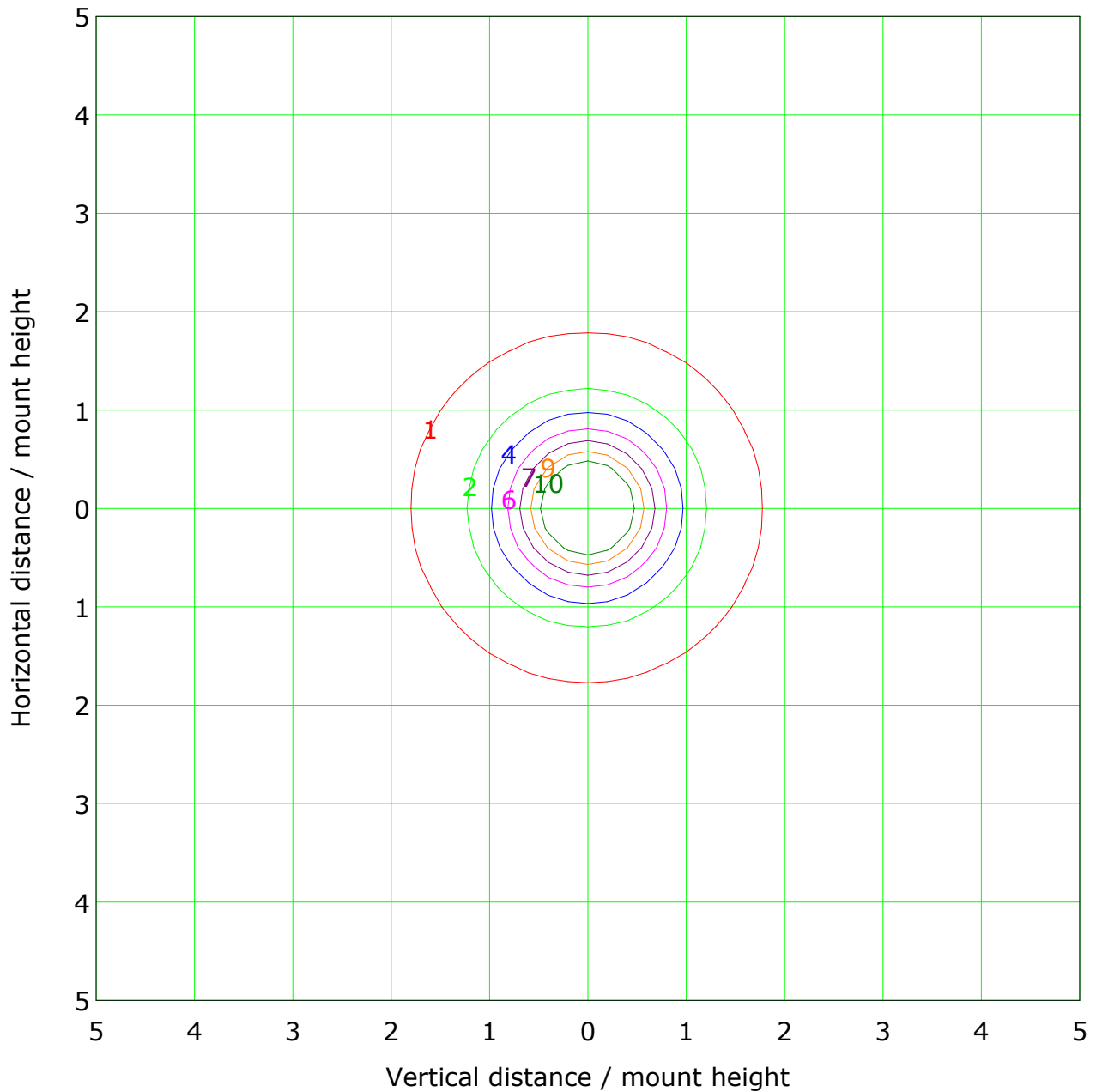
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 15.9 lx

(5%): 0.8 lx	(15%): 2.4 lx
(25%): 4.0 lx	(35%): 5.6 lx
(45%): 7.1 lx	(55%): 8.7 lx
(65%): 10.3 lx	

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Distance: 12.654 m

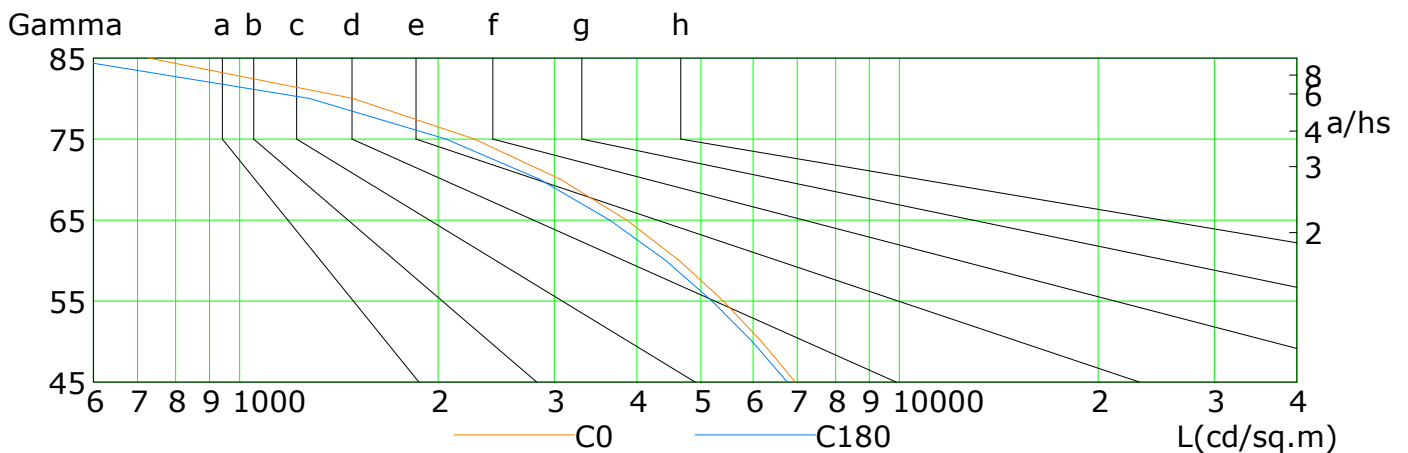
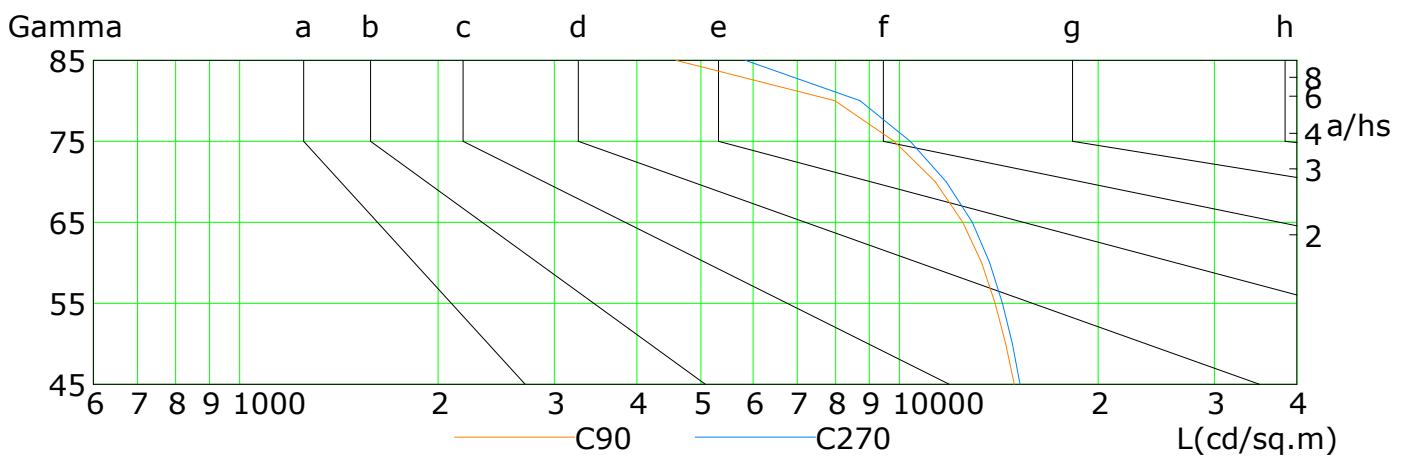
Humidity:

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	6953	6175	5408	4636	3858	3065	2270	1485	728
C90	14926	14480	13952	13313	12473	11324	9814	7978	4586
C180	6759	5978	5200	4424	3638	2850	2055	1276	540
C270	15232	14820	14316	13698	12902	11760	10383	8716	5844

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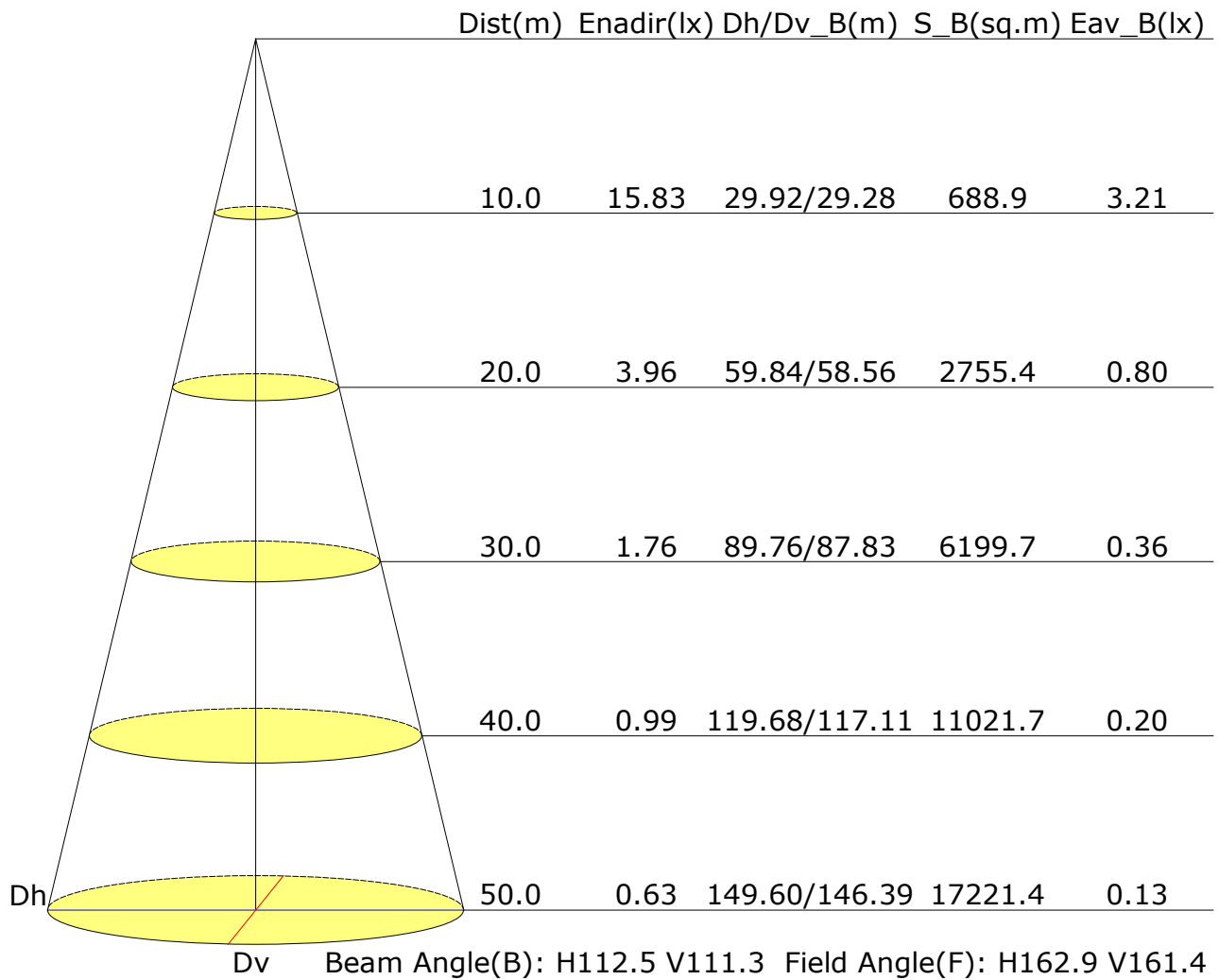
Test Device: LSG-1800B

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: