

Report No.: 1

Test Time: 21.08.2018 14:56

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 60 0,7A 70W Refond 32-34,5Lm 4000K

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 220.9 V

Power: 73.40 W

Luminous Length (mm): 1550

Luminous Height (mm): 80

Current: 0.341 A

Power Factor: 0.974

Photometric Results

CIE Class: Direct

Measurement Flux: 7687.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.0, 161.4, 161.7, 161.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.5, 111.2, 111.8, 111.9

Luminaire Efficacy Rating (LER): 104.78

Max. Intensity: 2711.32 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 7687.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2689.9 cd

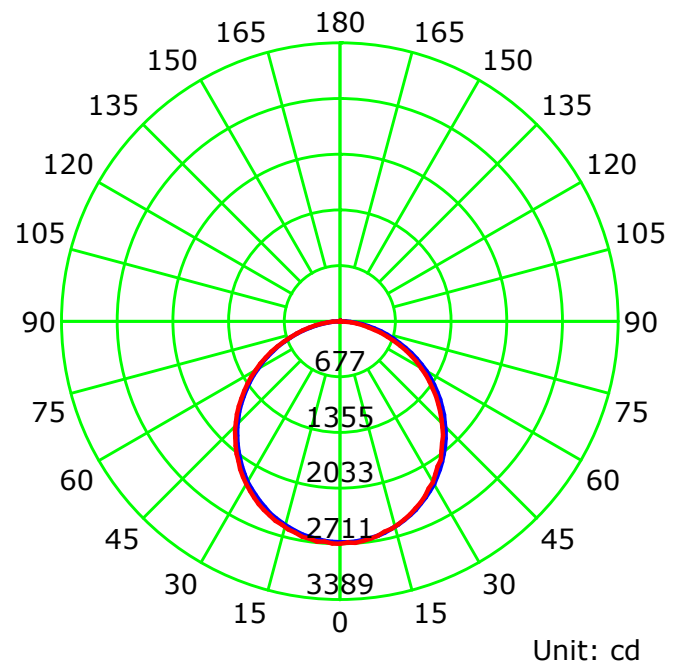
Pos of Max. Intensity: H157.5 V0

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

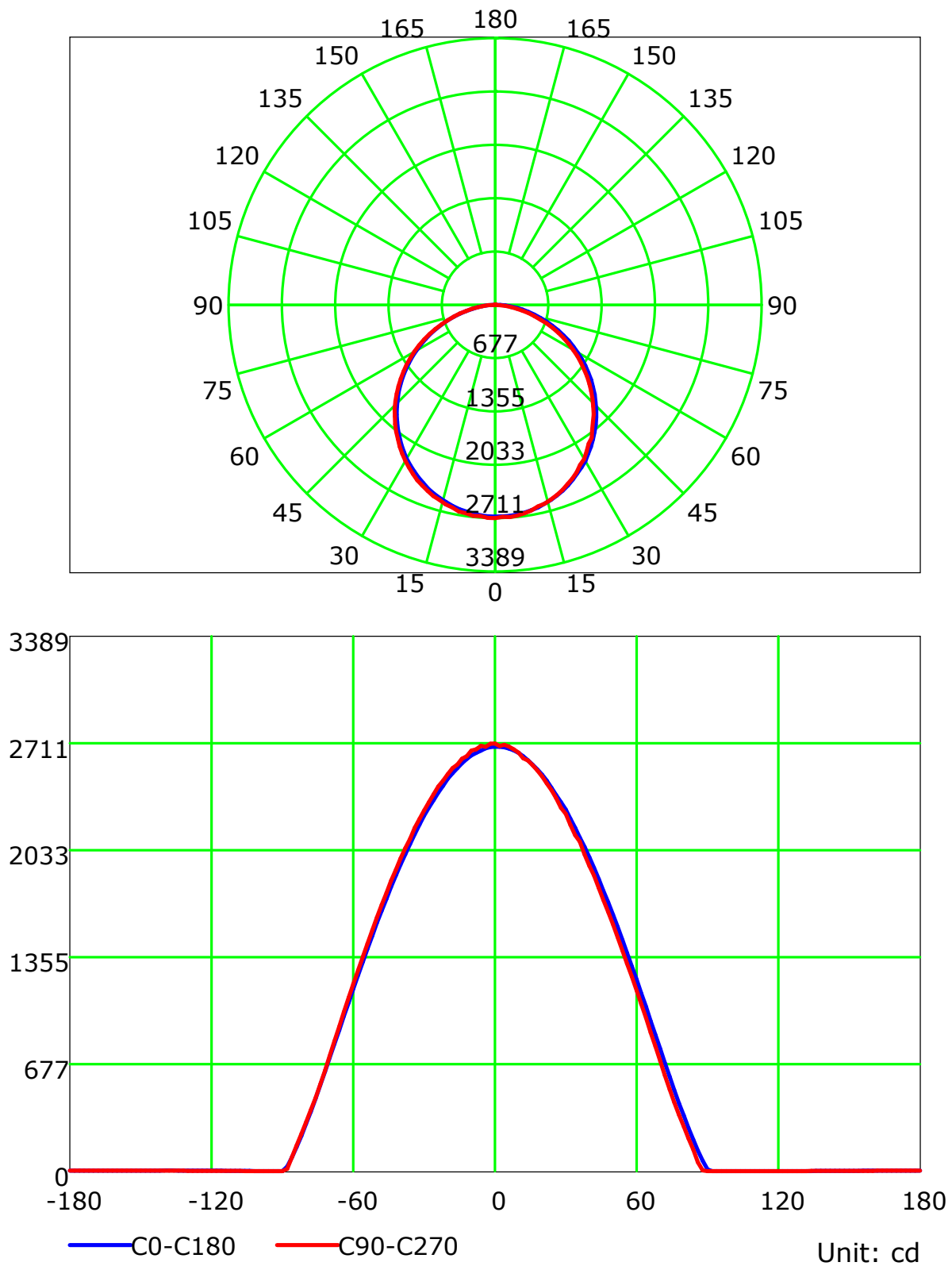
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

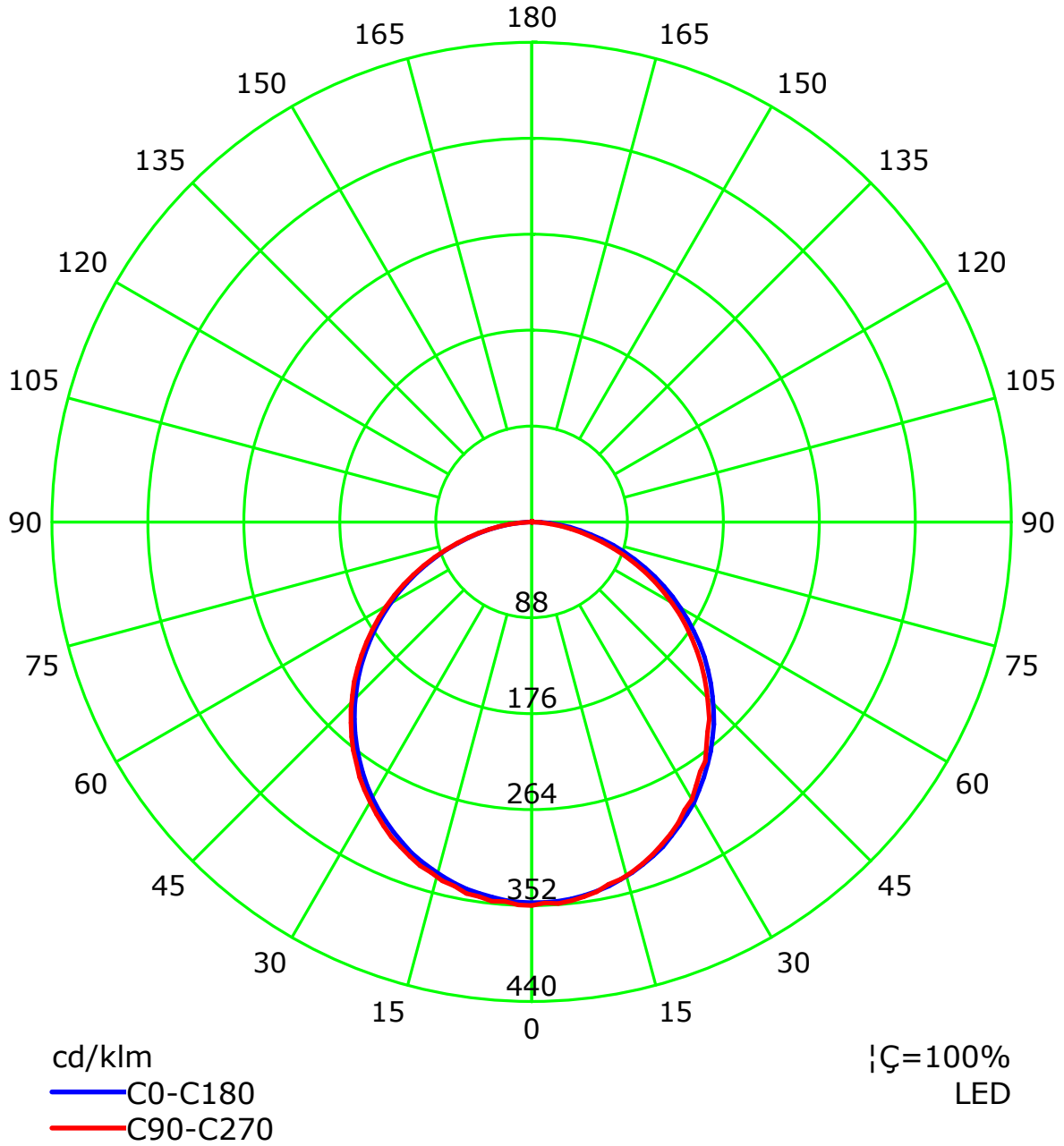
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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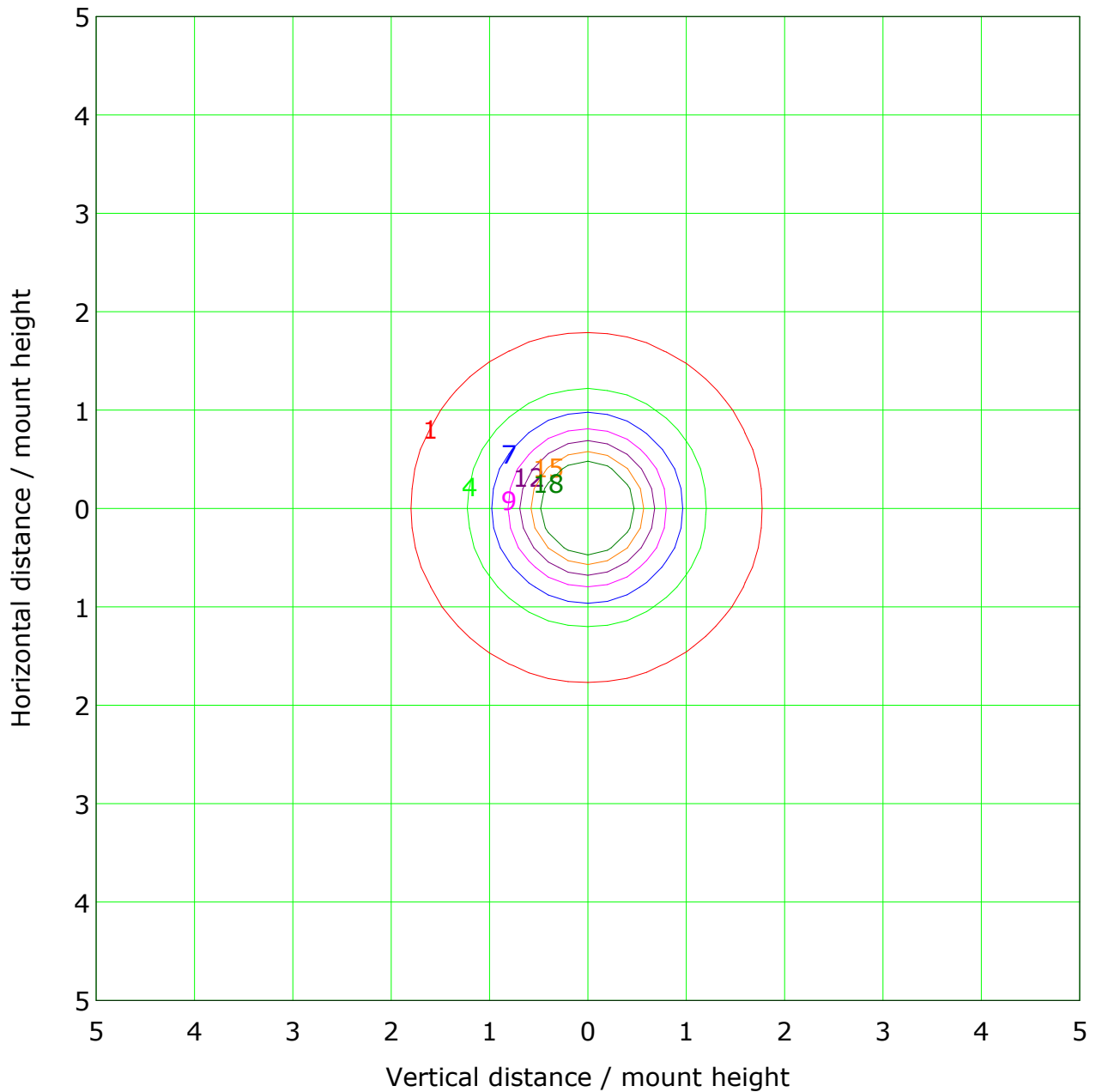
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 27.1 lx	
(5%): 1.4 lx	(15%): 4.1 lx
(25%): 6.8 lx	(35%): 9.5 lx
(45%): 12.2 lx	(55%): 14.9 lx
(65%): 17.6 lx	

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Temperature:

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Test Device: LSG-1800B

Distance: 12.654 m

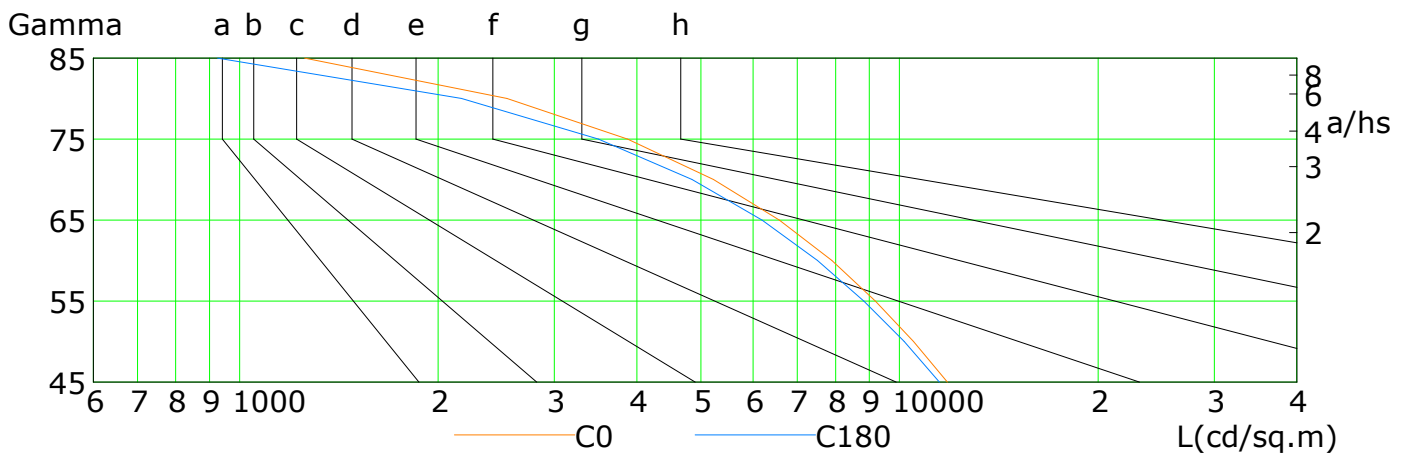
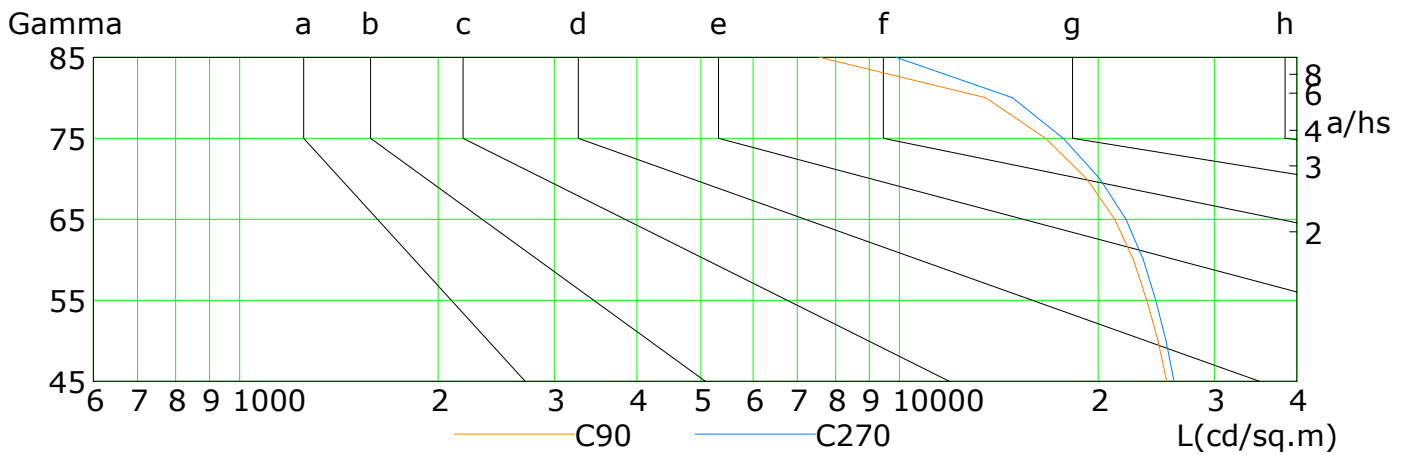
Humidity:

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	11819	10498	9198	7894	6576	5224	3875	2542	1255
C90	25404	24659	23710	22624	21197	19219	16654	13501	7571
C180	11497	10168	8833	7510	6190	4846	3499	2170	926
C270	26059	25337	24453	23417	22048	20109	17704	14834	9883

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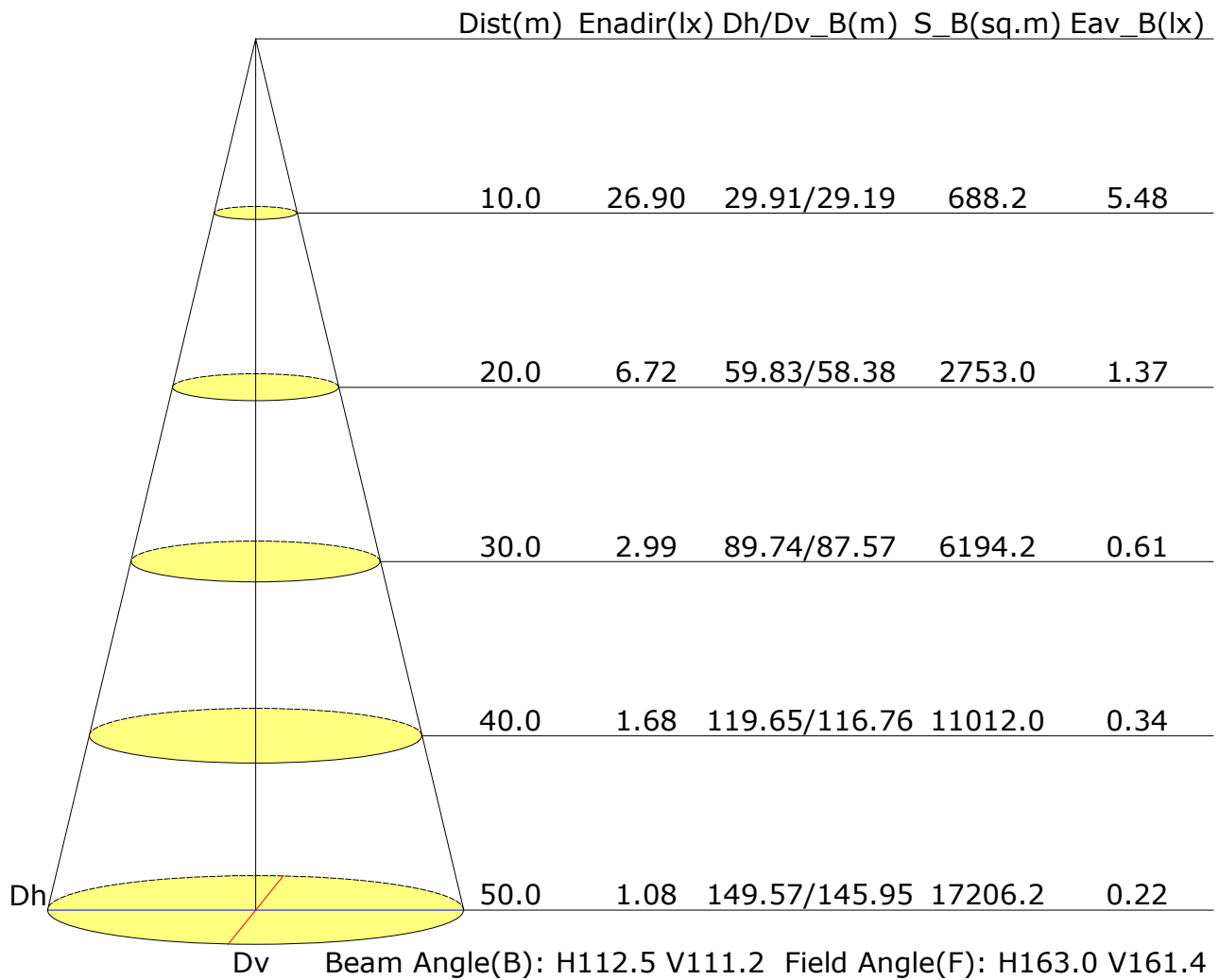
Test Device: LSG-1800B

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: