

Report No.: 1

Test Time: 26.04.2018 16:37

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 4x30LED 0,78A 110W Refond 140-150Lm 5000K

Lamp Description: LED

Luminous Width (mm): 55

Voltage: 231.0 V

Power: 100.93 W

Luminous Length (mm): 1545

Luminous Height (mm): 90

Current: 0.444 A

Power Factor: 0.983

Photometric Results

CIE Class: Direct

Measurement Flux: 11212.2 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.2, 134.2, 144.7, 146.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.8, 113.7, 115.8, 115.6

Luminaire Efficacy Rating (LER): 111.14

Max. Intensity: 4115.36 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 11212.2 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 4115.36 cd

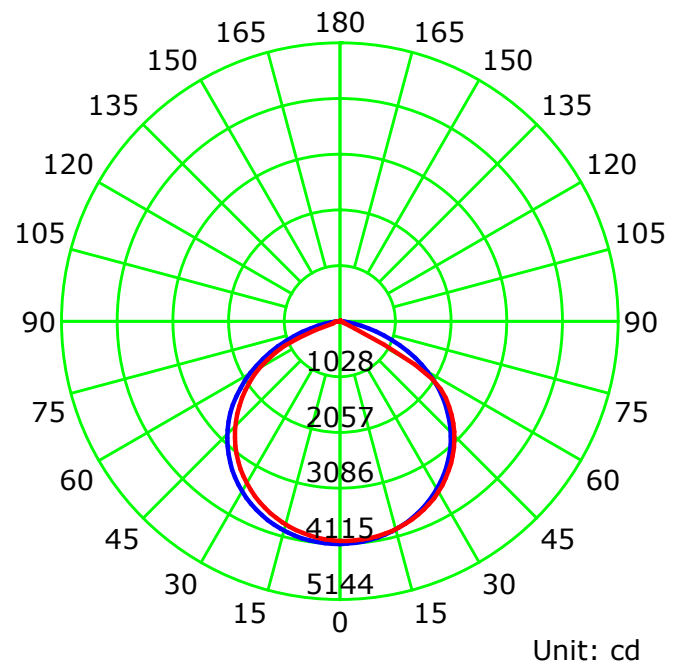
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.30

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

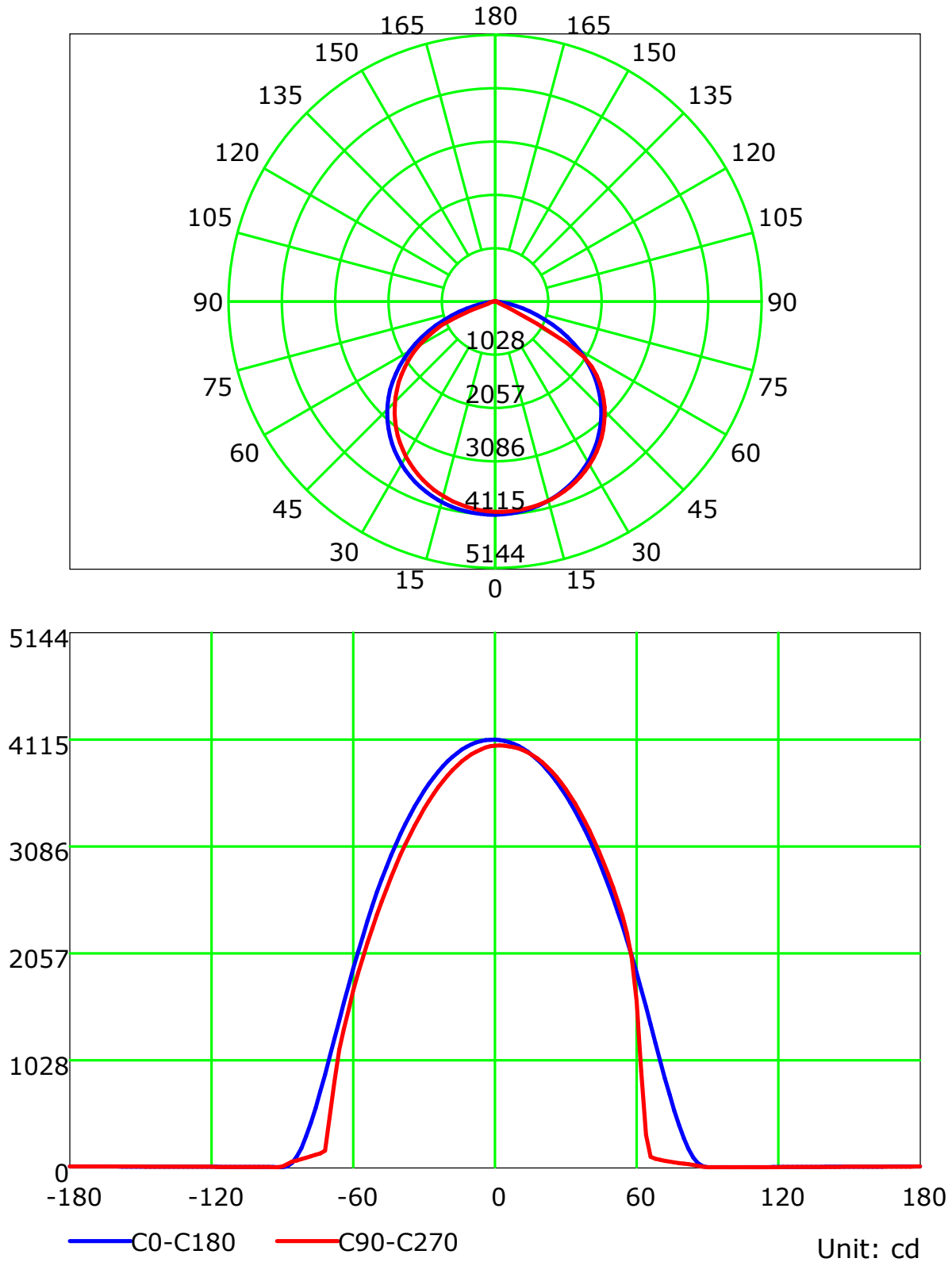
Test Device: LSG-1800B

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

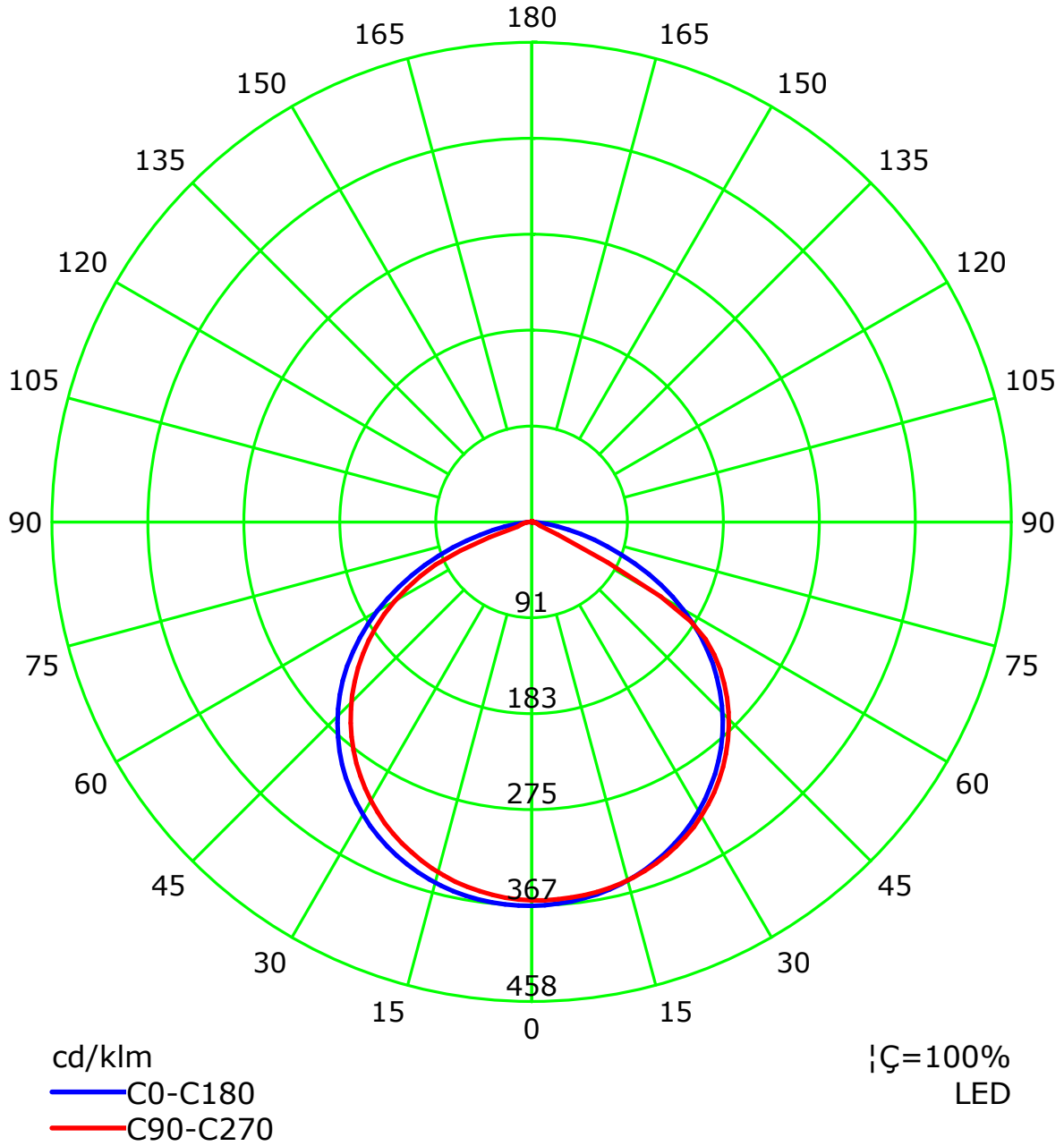
Test Device: LSG-1800B

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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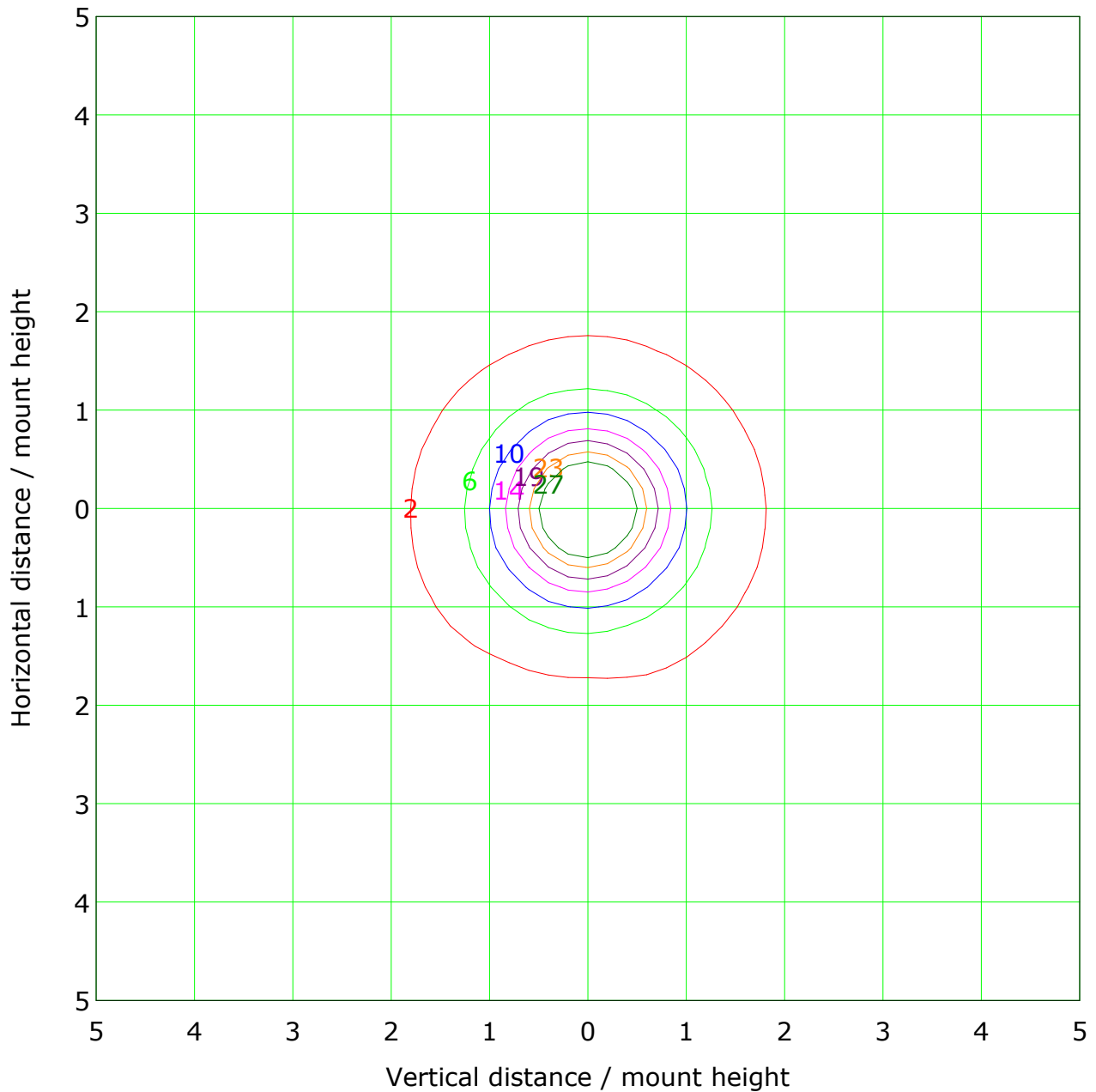
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 41.2 lx	
(5%): 2.1 lx	(15%): 6.2 lx
(25%): 10.3 lx	(35%): 14.4 lx
(45%): 18.5 lx	(55%): 22.6 lx
(65%): 26.7 lx	

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Test Device: LSG-1800B

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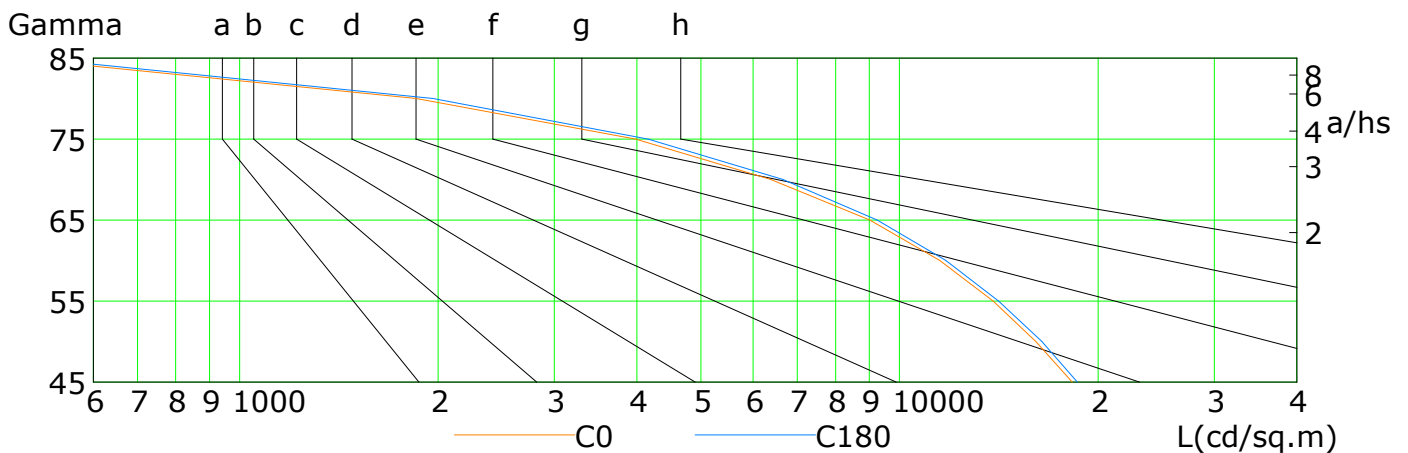
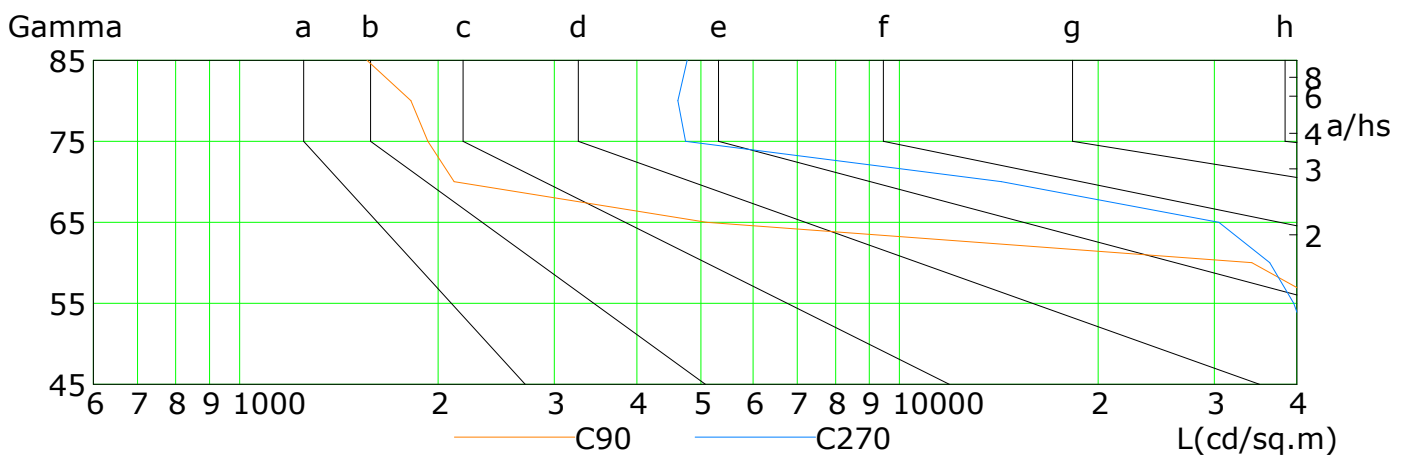
Humidity:

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	18274	16093	13865	11505	9023	6381	3982	1850	460
C90	47030	46187	44255	34187	5100	2114	1930	1818	1560
C180	18593	16434	14125	11758	9250	6654	4159	1961	492
C270	43011	41606	39575	36381	30485	14281	4742	4617	4765

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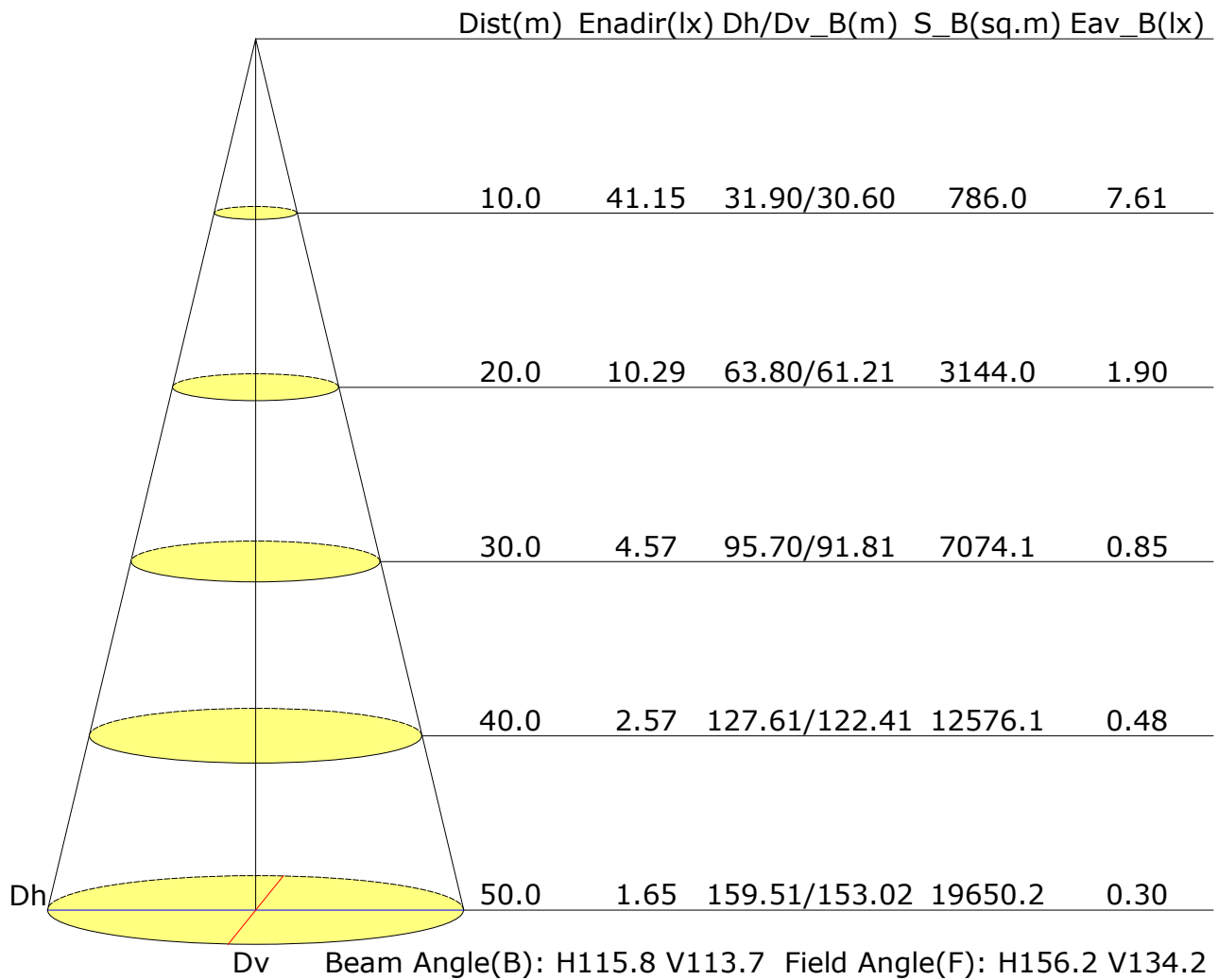
Test Device: LSG-1800B

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: