

Report No.: 1

Test Time: 16.04.2019 15:03

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 2x60LED 0,3A 27W 5000K opal

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 221.4 V

Power: 29.92 W

Luminous Length (mm): 1500

Luminous Height (mm): 64

Current: 0.138 A

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 3494.1 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 166.0, 164.2, 164.7, 164.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.5, 112.7, 113.3, 113.4

Luminaire Efficacy Rating (LER): 116.83

Max. Intensity: 1186.41 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 3494.1 lm

Efficiency: 100%

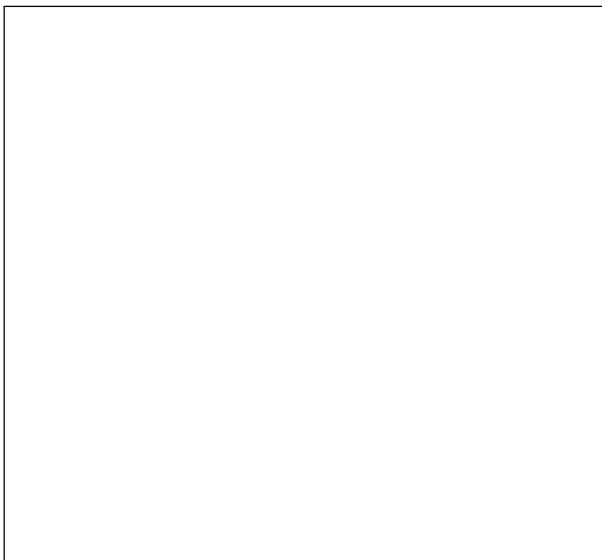
Upward Ratio: 1%

Central Intensity: 1182.41 cd

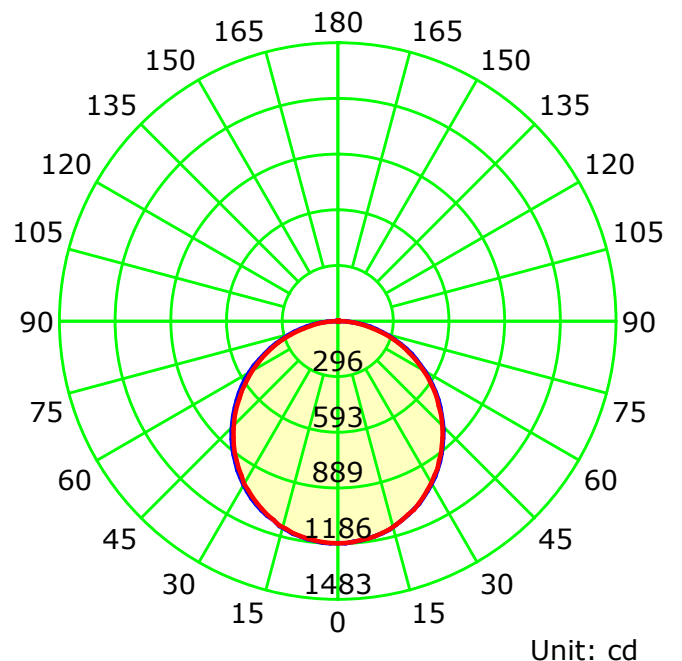
Pos of Max. Intensity: H112.5 V0

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

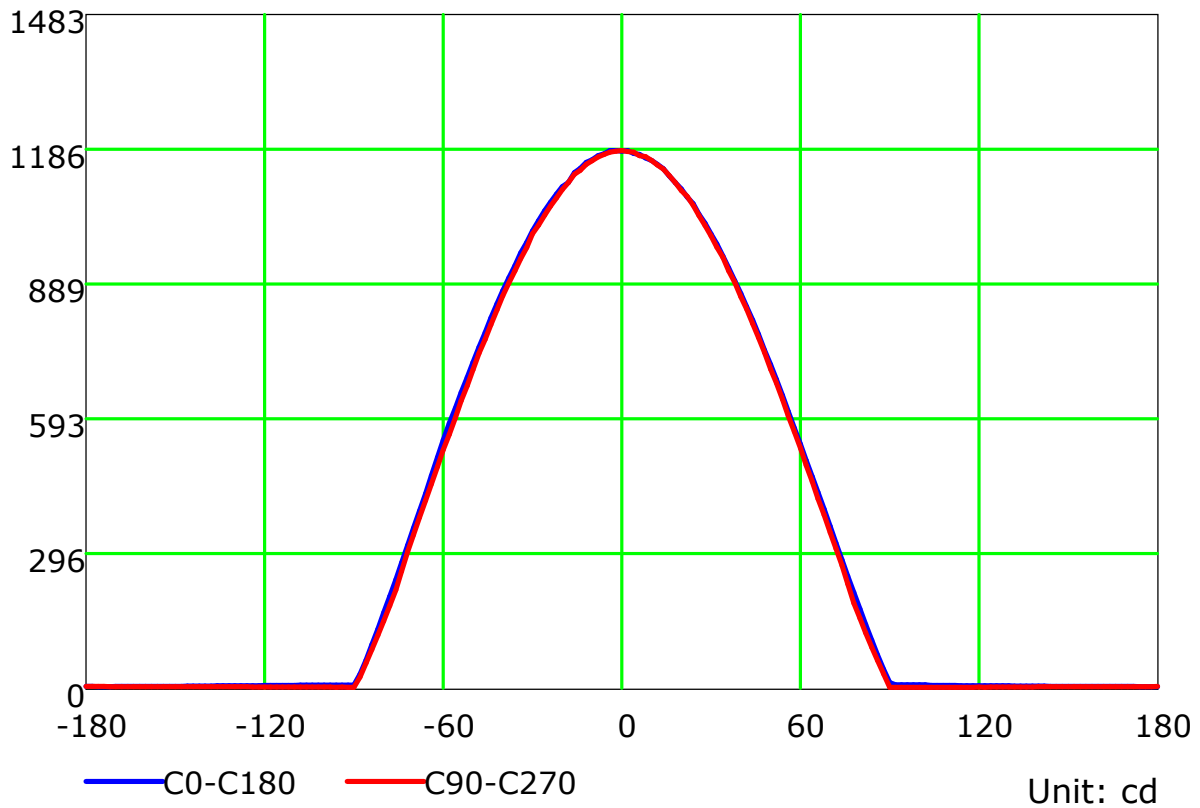
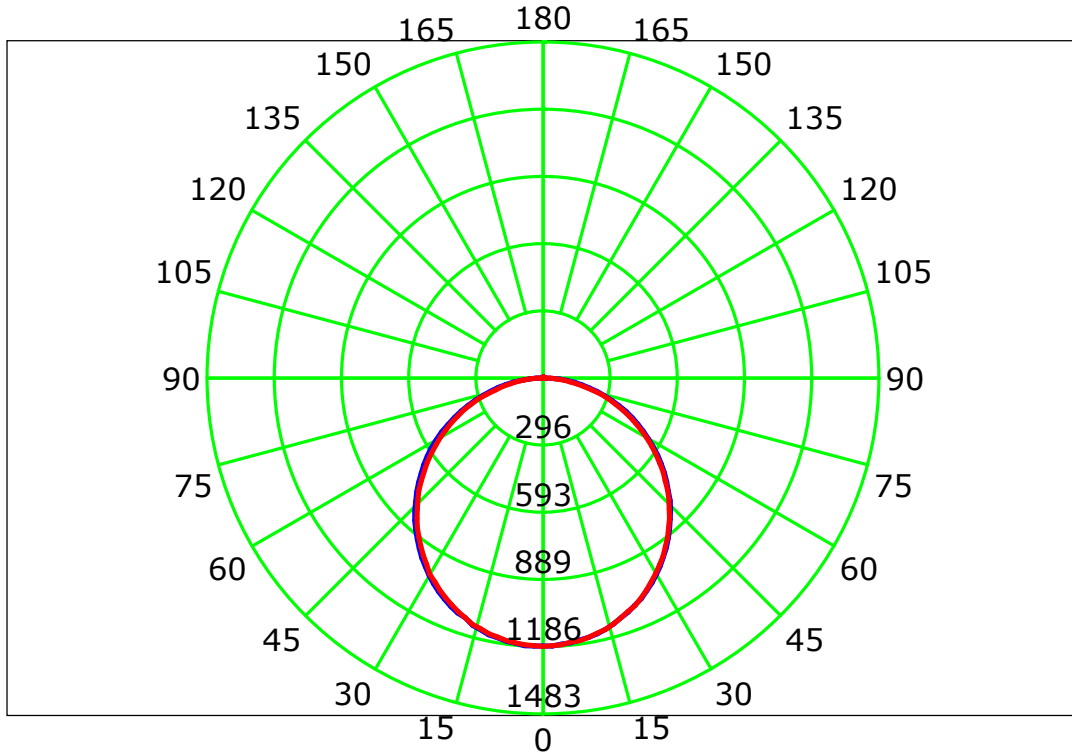
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

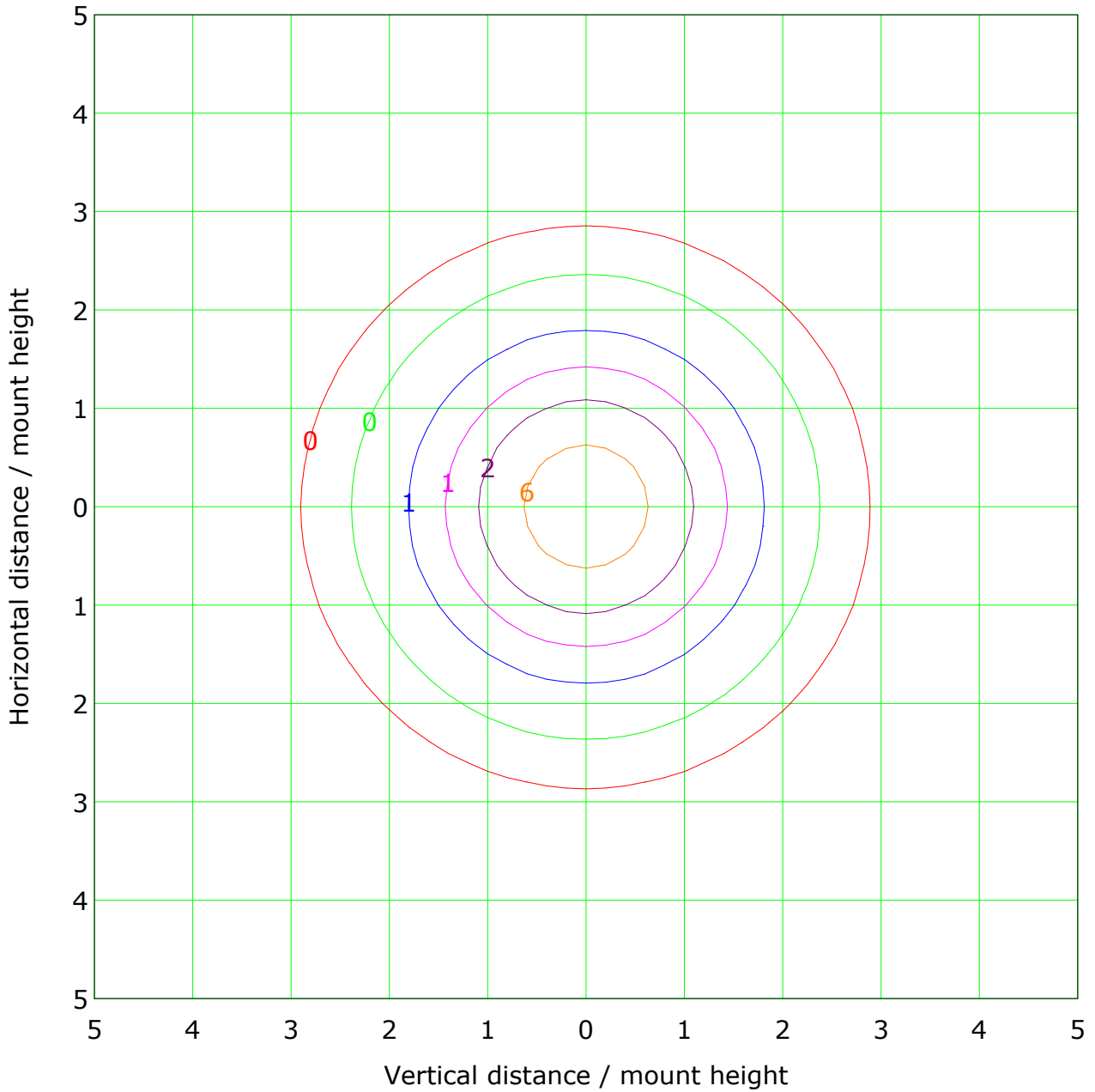
Luminous Intensity Distribution Curve



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 Test Lab:
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 Humidity:
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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 11.9 lx

— (1%): 0.1 lx	— (2%): 0.2 lx
— (5%): 0.6 lx	— (10%): 1.2 lx
— (20%): 2.4 lx	— (50%): 5.9 lx
— (100%): 11.9 lx	

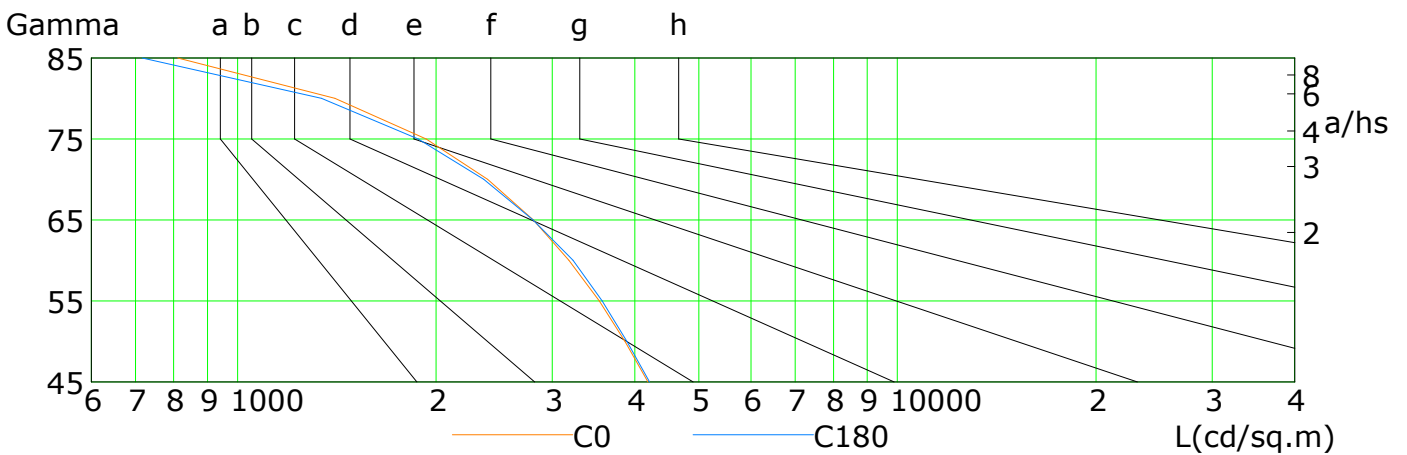
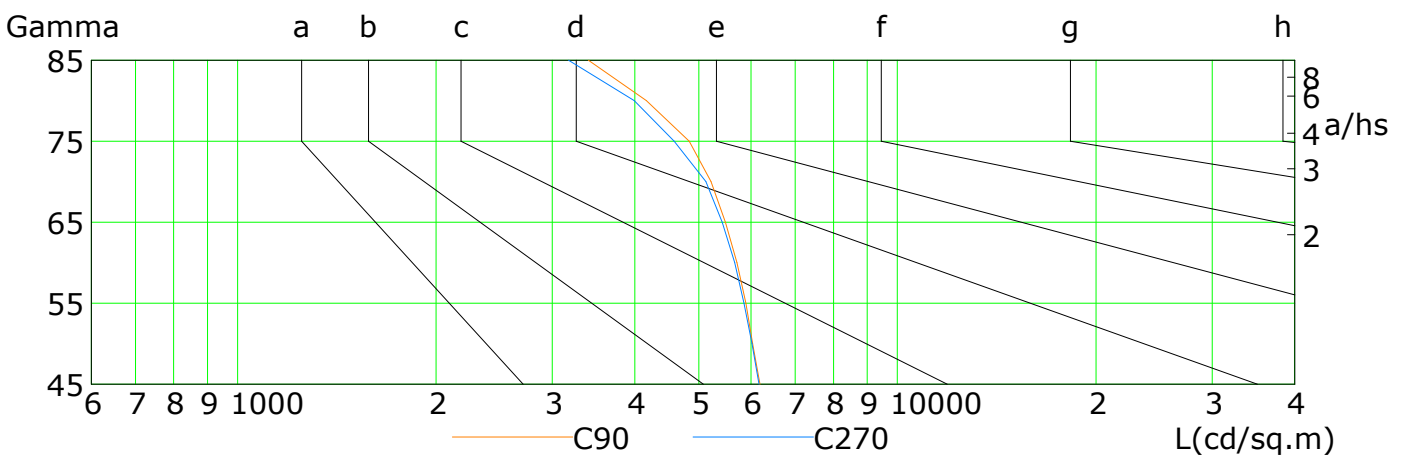
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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	4187	3862	3533	3177	2807	2394	1930	1405	811
C90	6193	6034	5892	5713	5486	5215	4837	4164	3403
C180	4209	3892	3571	3225	2804	2362	1879	1340	717
C270	6169	6020	5854	5668	5428	5127	4587	3991	3173

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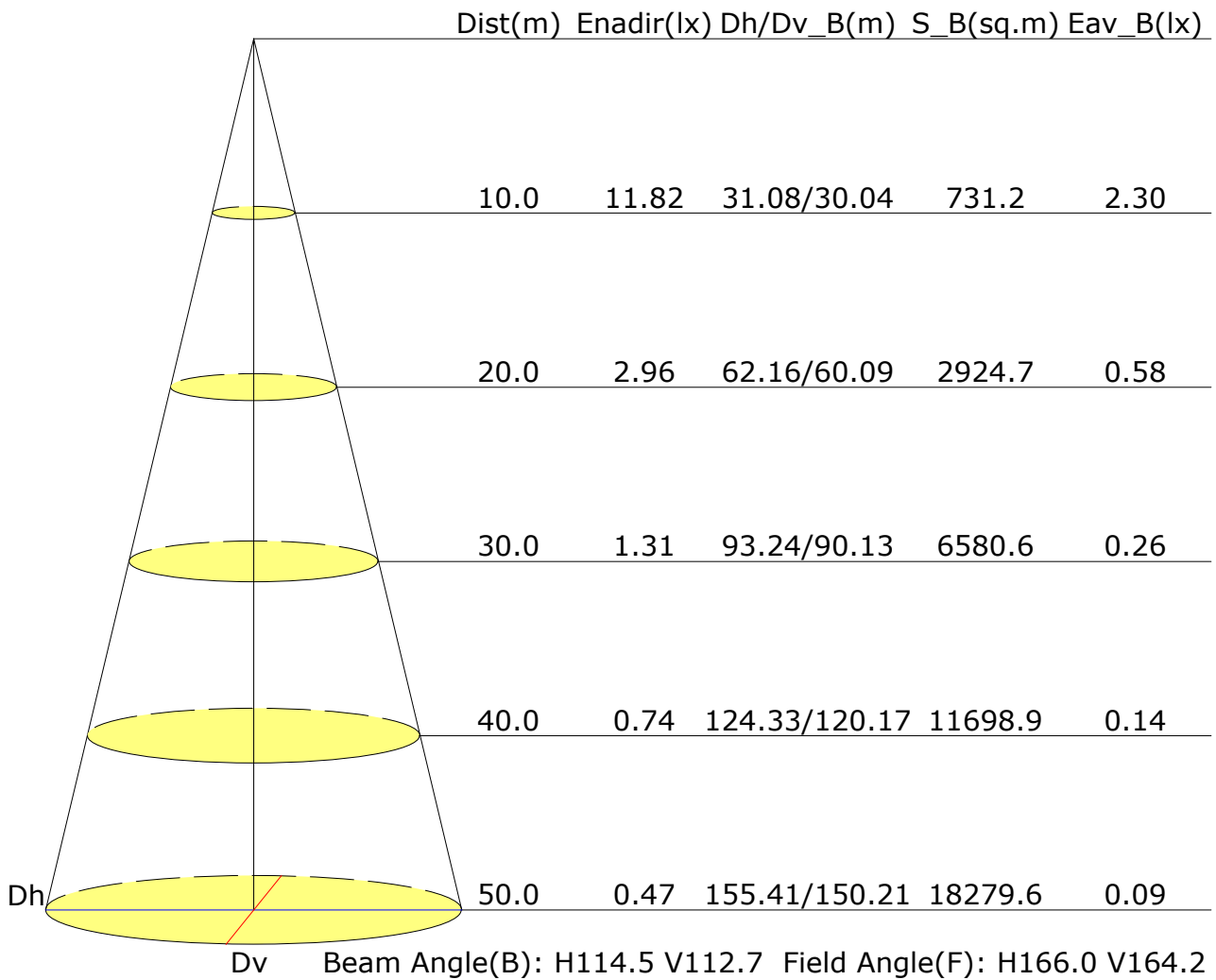
Test Device: LSG-1800B

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: