

Report No.: 1

Test Time: 06.07.2018 17:02

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FI 105 20W Refond 32-34,5Lm 4000K

Lamp Description: LED

Luminous Width (mm): 108

Voltage: 232.0 V

Power: 10.17 W

Luminous Length (mm): 392

Luminous Height (mm): 84

Current: 0.045 A

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Measurement Flux: 1430.4 lm

Downward Ratio: 98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 148.8, 168.8, 170.0, 171.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 103.4, 110.8, 102.2, 102.7

Luminaire Efficacy Rating (LER): 140.70

Max. Intensity: 579.22 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 1430.4 lm

Efficiency: 100%

Upward Ratio: 2%

Central Intensity: 558.7 cd

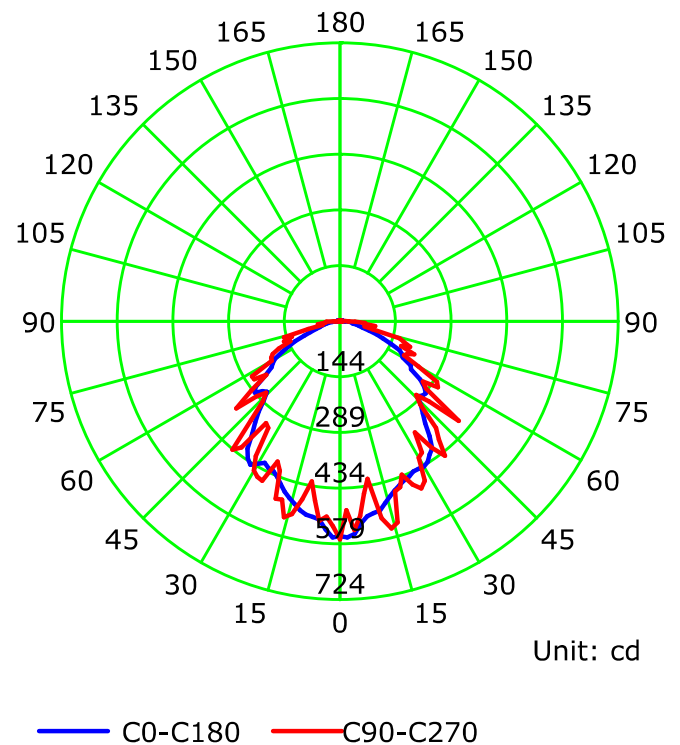
Pos of Max. Intensity: H337.5 V2

S/MH(C90/C270): 1.14

Picture Of Luminaire



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

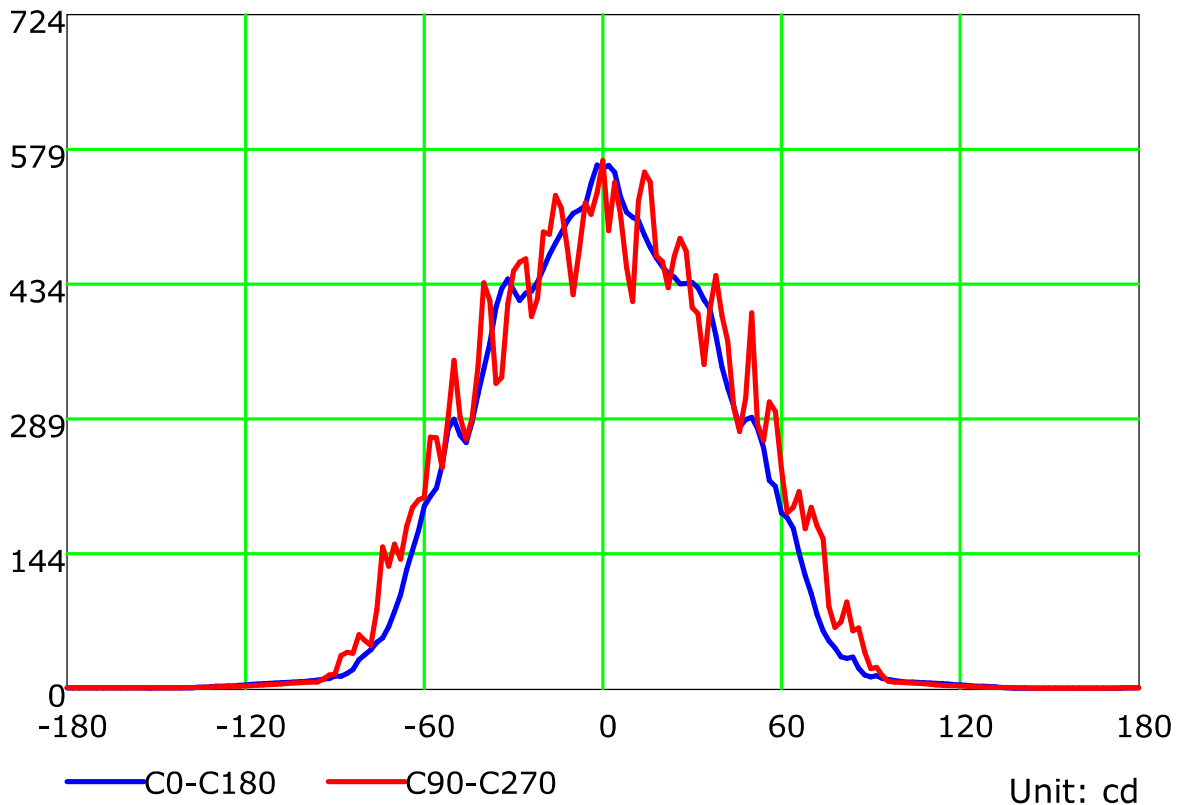
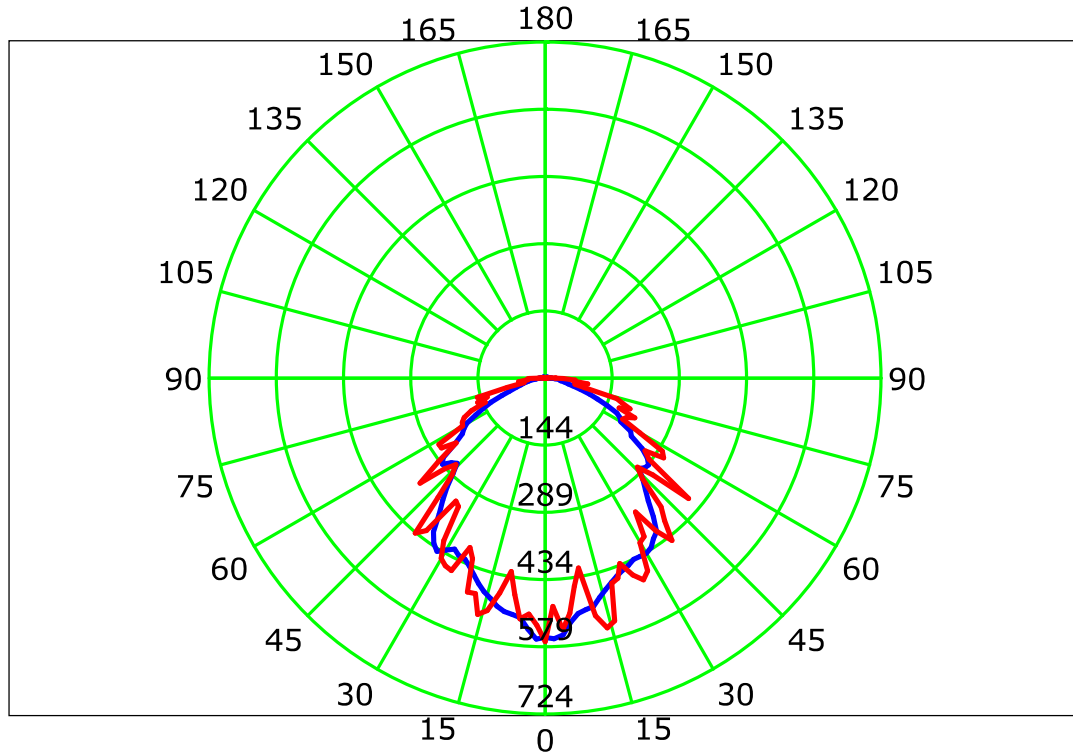
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

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Temperature:

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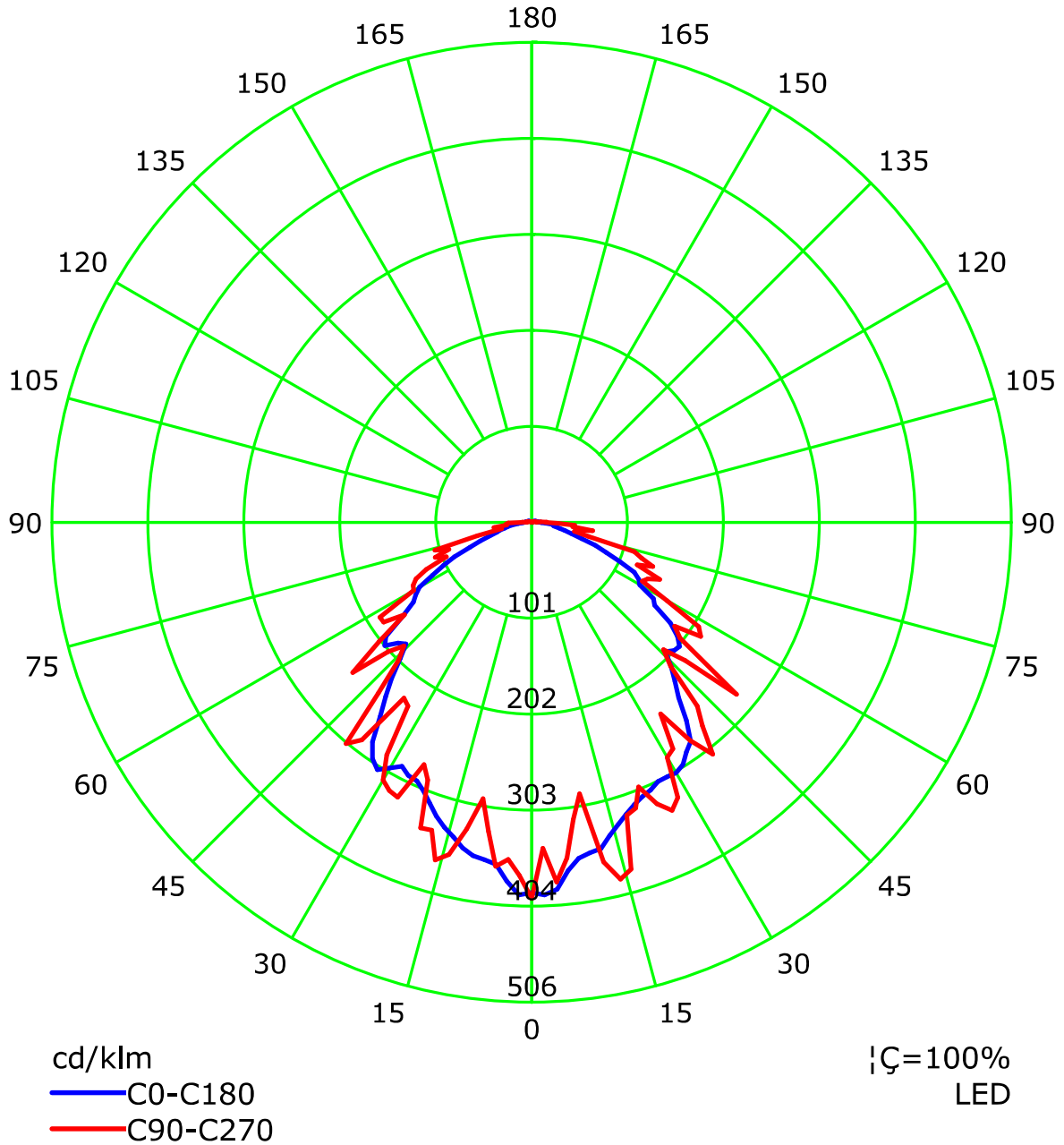
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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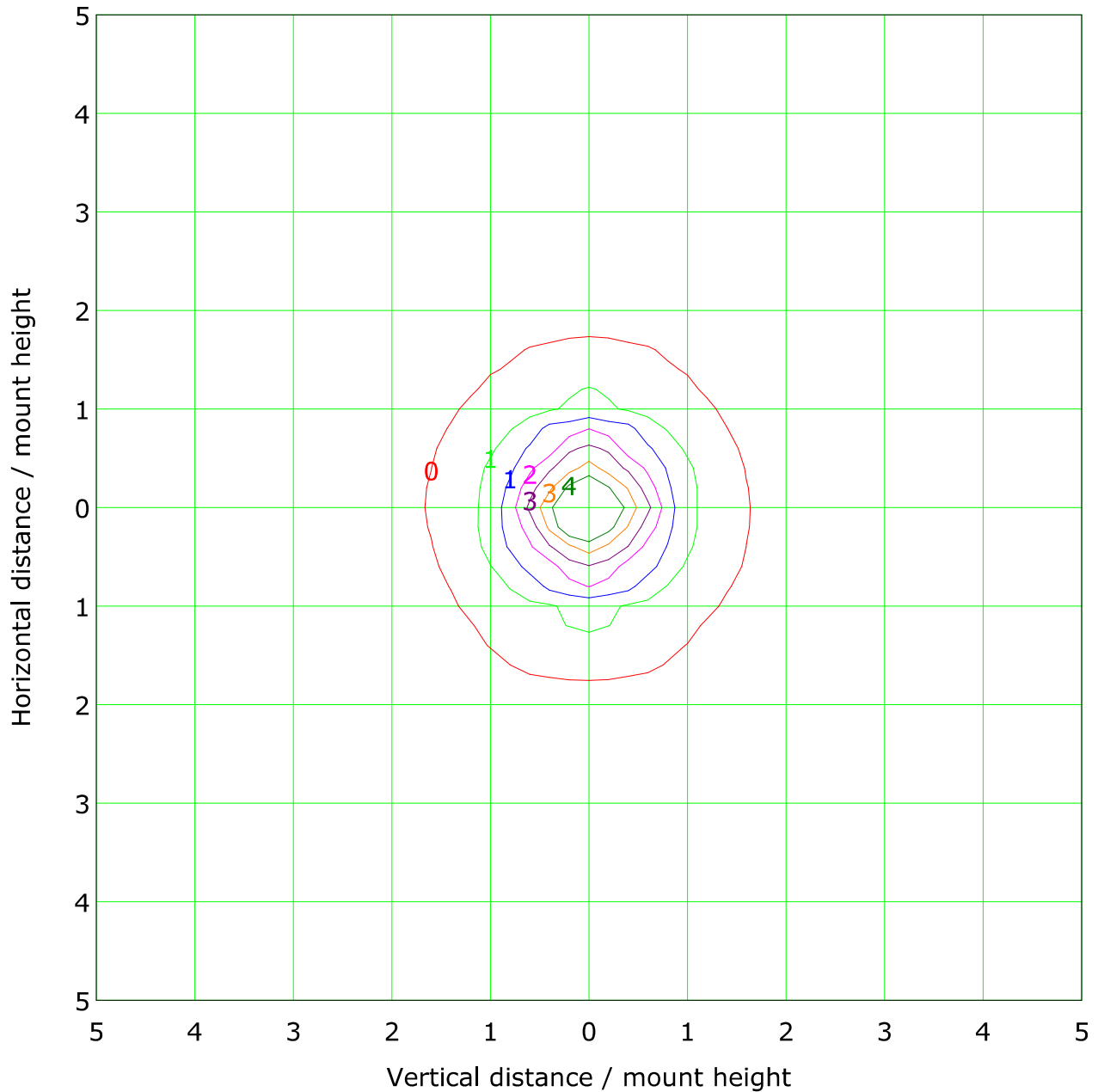
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 5.8 lx

(5%): 0.3 lx	(15%): 0.9 lx
(25%): 1.4 lx	(35%): 2.0 lx
(45%): 2.6 lx	(55%): 3.2 lx
(65%): 3.8 lx	

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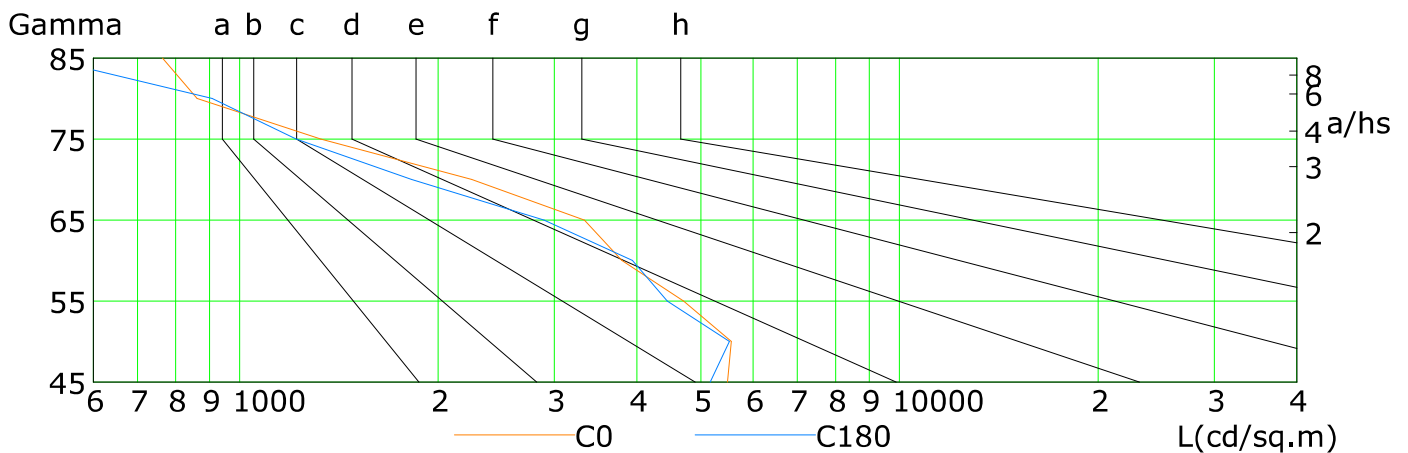
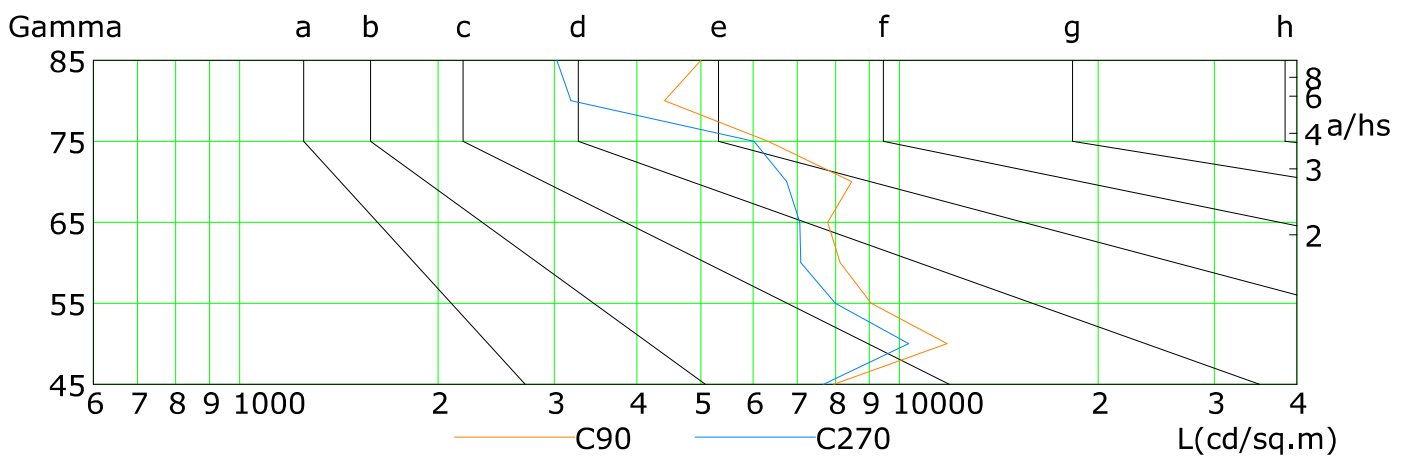
Humidity:

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	5488	5559	4707	3796	3331	2249	1328	862	764
C90	7955	11812	9057	8132	7786	8465	6324	4403	5000
C180	5169	5523	4446	3940	2893	1823	1219	909	505
C270	7673	10326	7996	7085	7062	6747	6021	3177	3026

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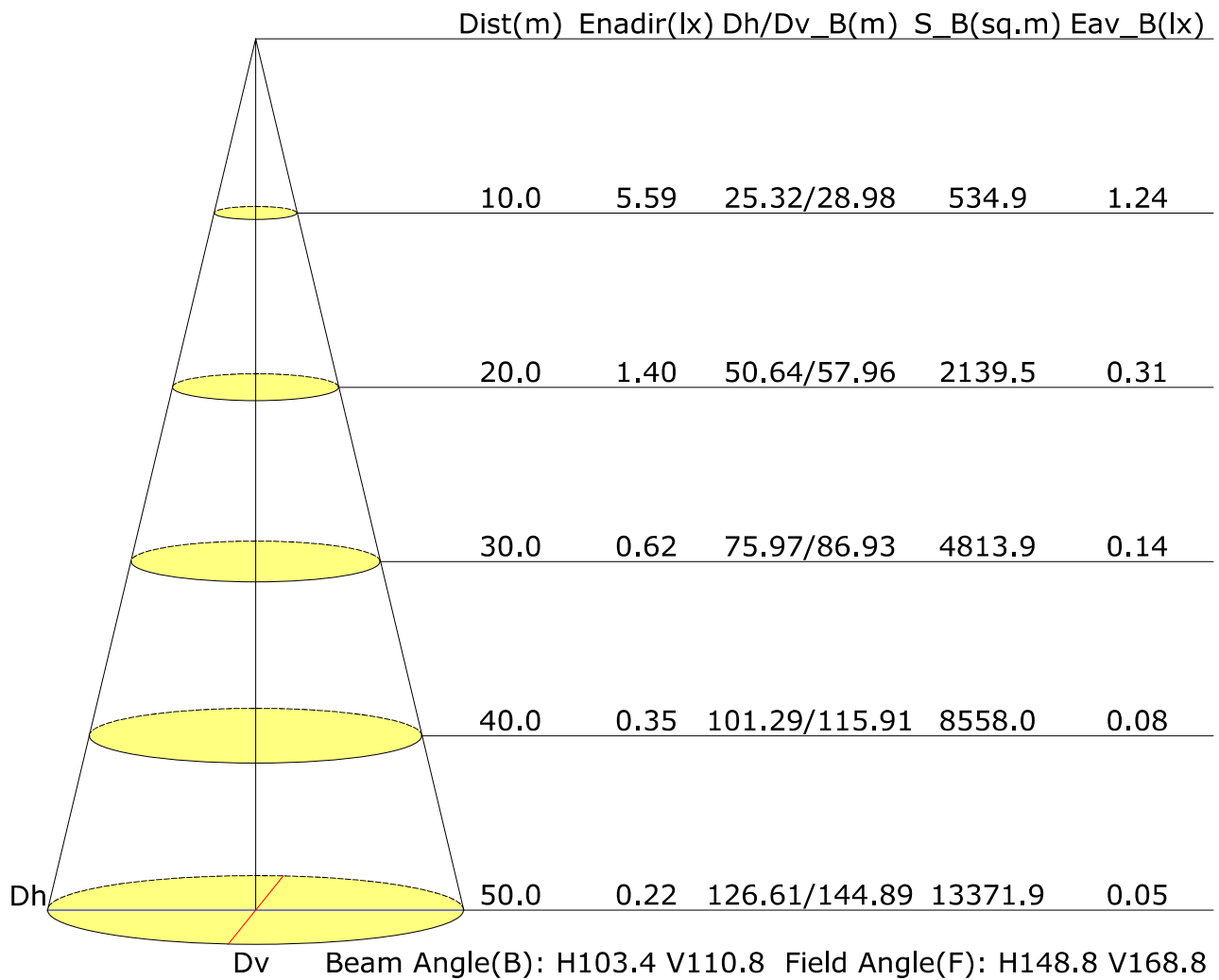
Test Device: LSG-1800B

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: