

Report No.: 1

Test Time: 27.04.2018 15:02

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 25LED 0,15A 20W Refond 140-150Lm 5000K

Lamp Description: LED

Luminous Length (mm): 300

Luminous Width (mm): 55

Luminous Height (mm): 90

Voltage: 230.9 V

Current: 0.087 A

Power: 18.69 W

Power Factor: 0.926

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2079.1 lm

Measurement Flux: 2079.1 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.3, 142.4, 147.6, 148.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.1, 113.6, 115.5, 115.1

Luminaire Efficacy Rating (LER): 111.29

Central Intensity: 748.3 cd

Max. Intensity: 748.66 cd

Pos of Max. Intensity: H0 V2

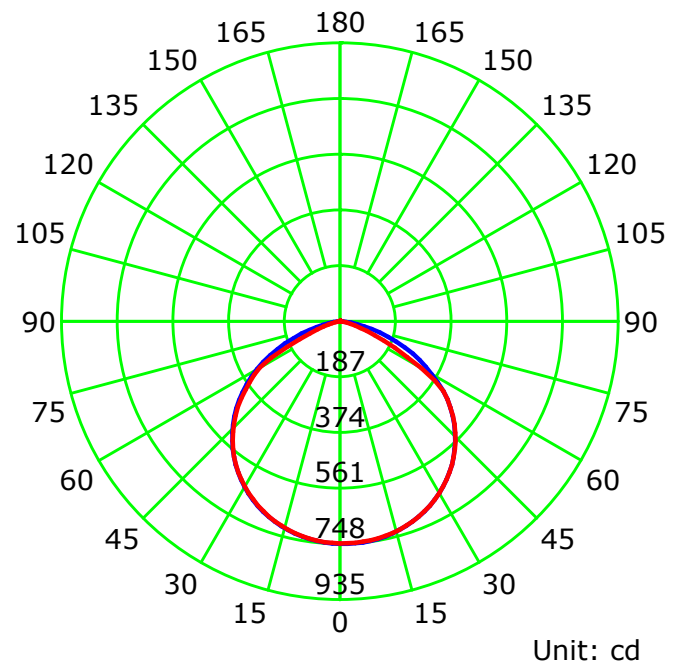
S/MH(C0/C180): 1.30

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

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

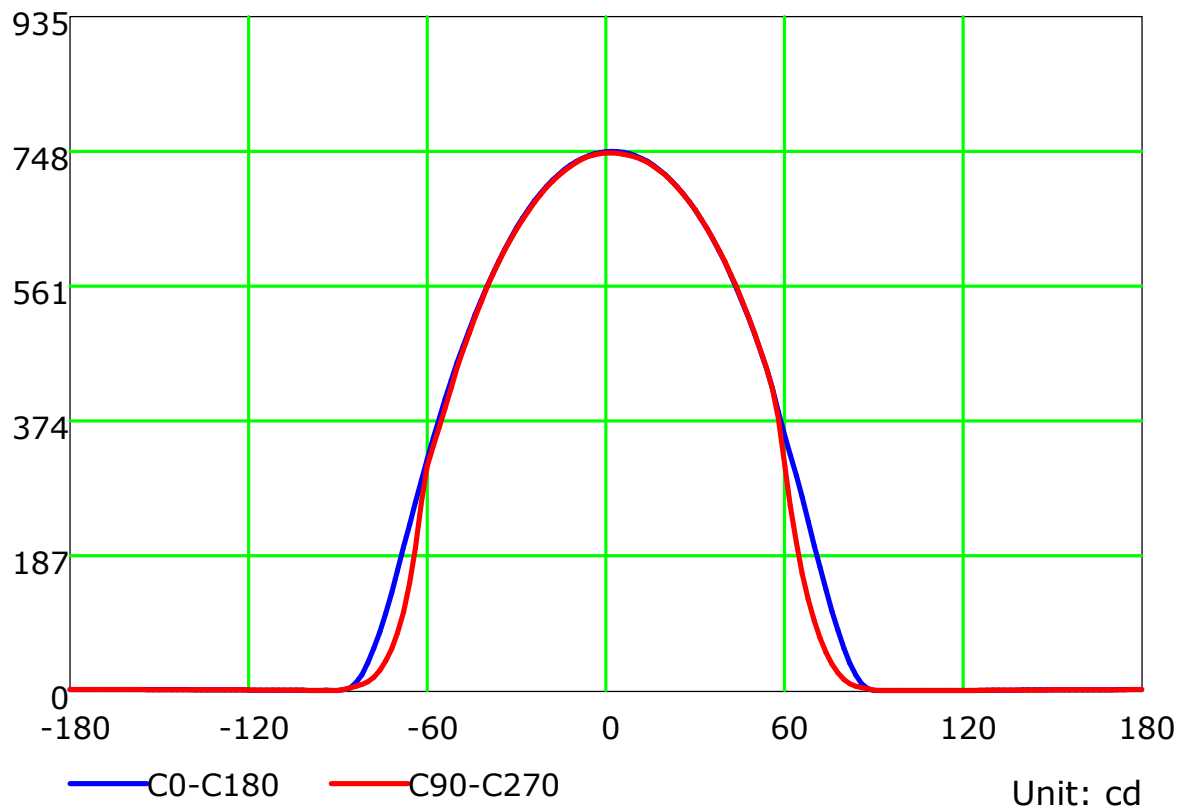
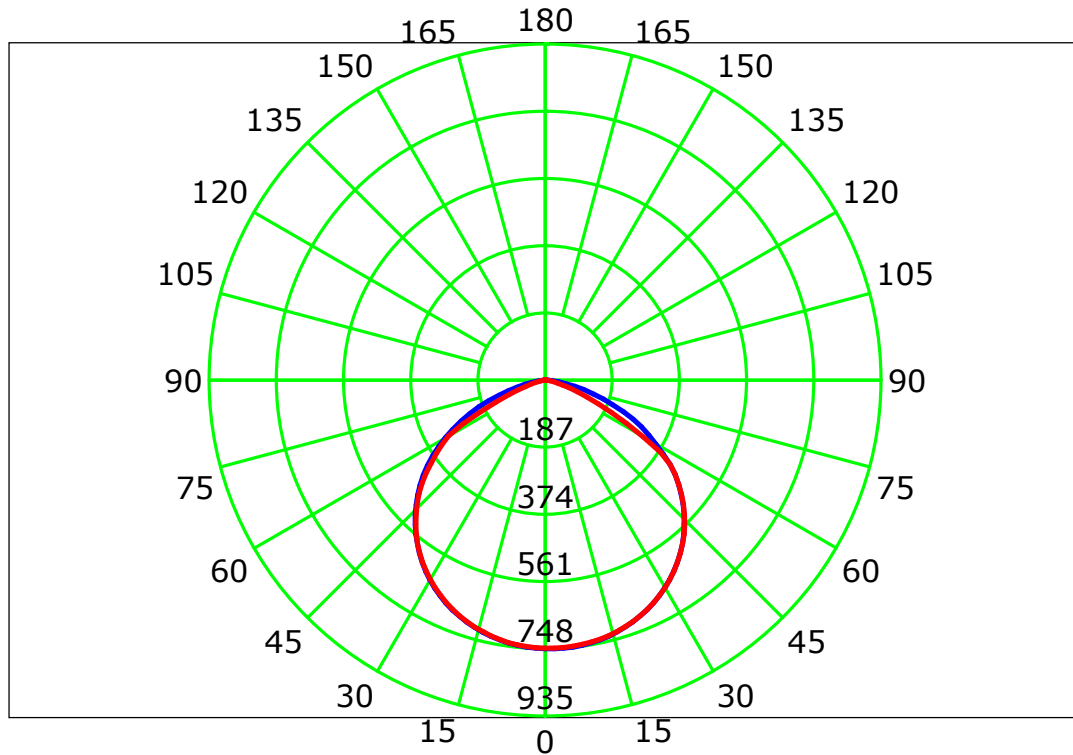
Temperature:

Humidity:

Operator:

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

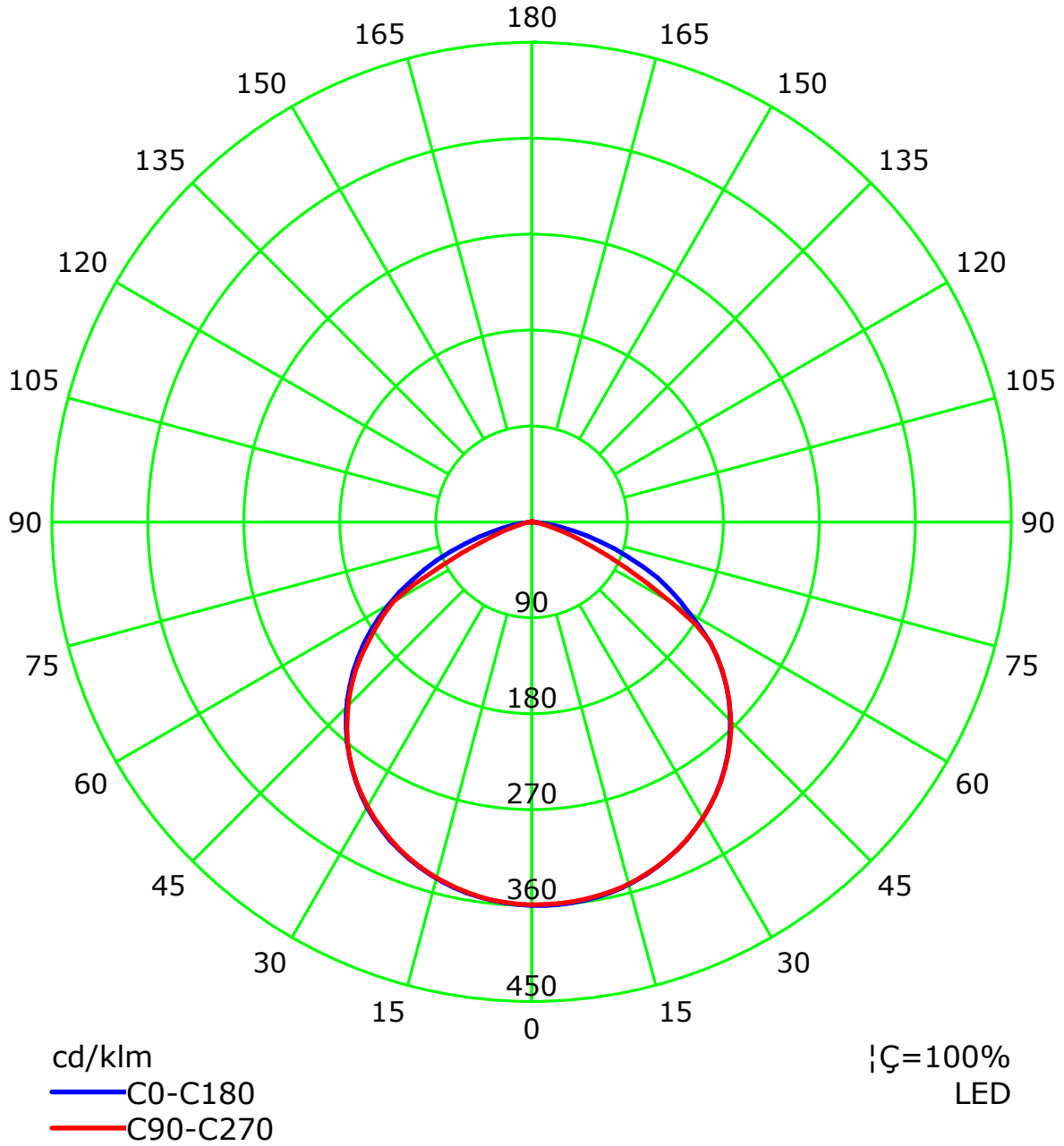
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

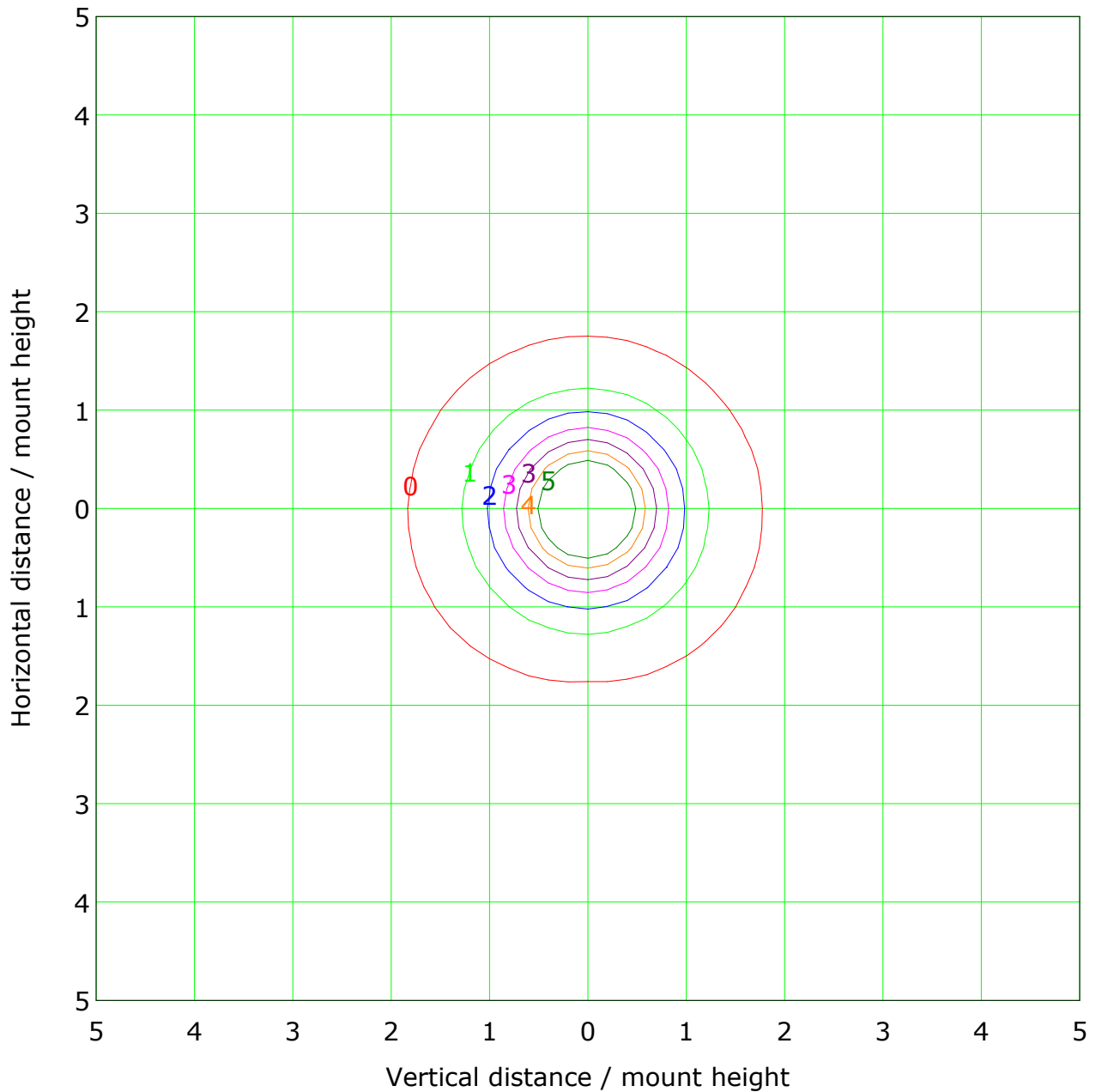
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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

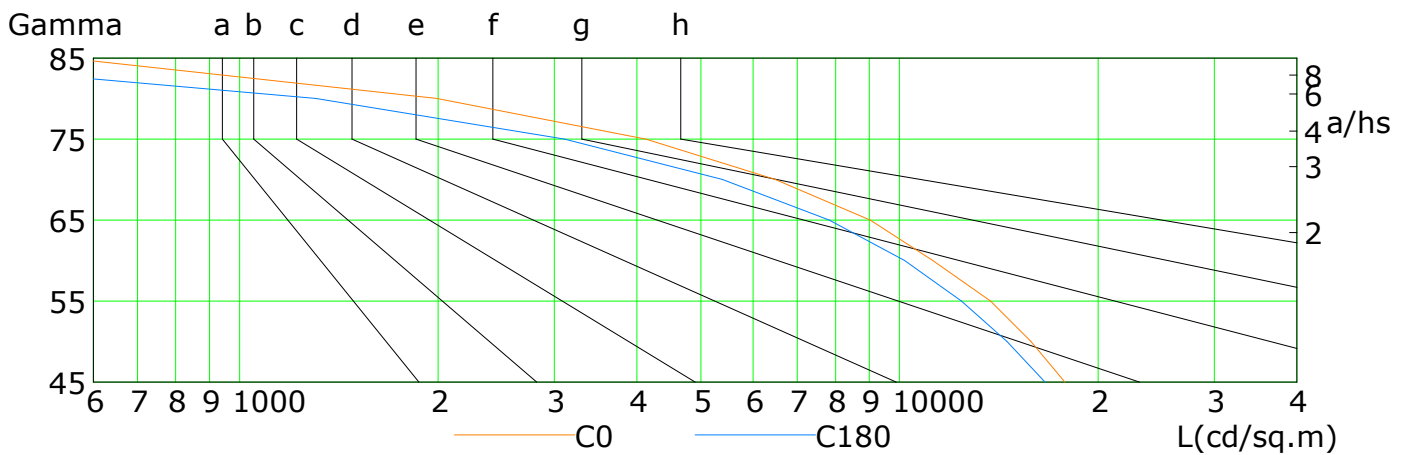
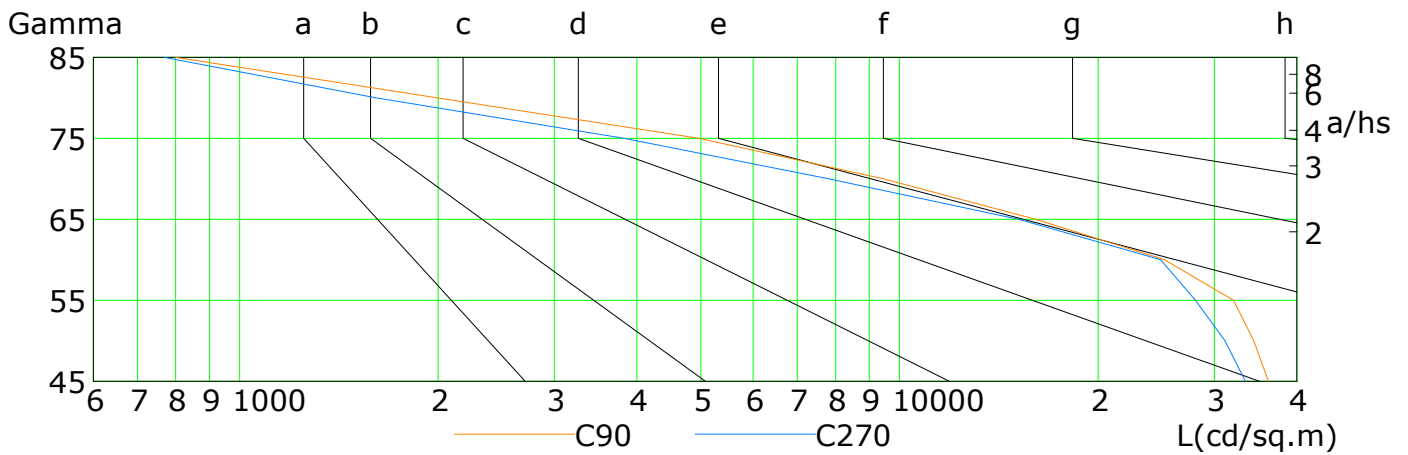
Humidity:

Inspector:

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	17813	15828	13735	11233	9033	6481	4125	1991	549
C90	36247	34435	32073	25199	16089	9432	4967	1986	799
C180	16610	14553	12415	10171	7826	5387	3106	1305	263
C270	33418	31140	28079	24866	15166	7795	3824	1605	769

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Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

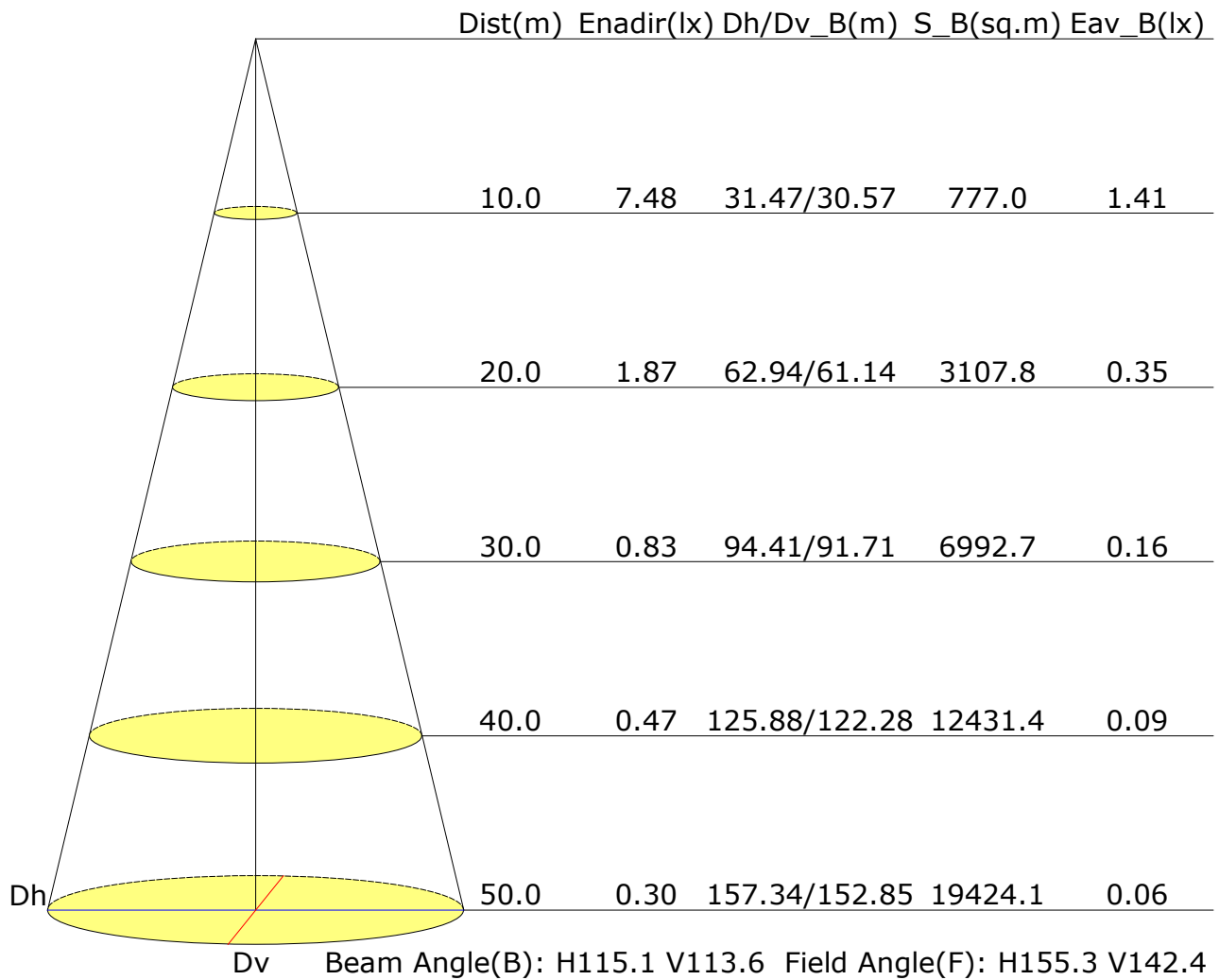
Test Device: LSG-1800B

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: