

Report No.: 1

Test Time: 28.04.2018 12:14

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 601 55W Refond 130-145Lm 4000K 120° x 90°

Lamp Description: LED

Luminous Length (mm): 1750

Luminous Width (mm): 115

Luminous Height (mm): 64

Voltage: 231.2 V

Current: 0.243 A

Power: 55.61 W

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 8131.0 lm

Measurement Flux: 8131 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.5, 135.5, 147.4, 146.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.1, 87.4, 98.6, 98.0

Luminaire Efficacy Rating (LER): 146.26

Central Intensity: 3245.26 cd

Max. Intensity: 3458.83 cd

Pos of Max. Intensity: H270 V16

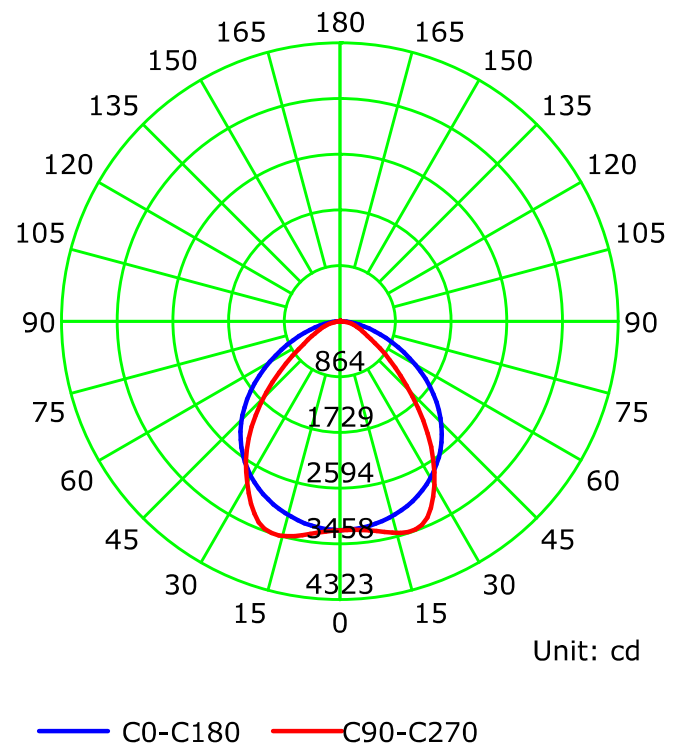
S/MH(C0/C180): 1.28

S/MH(C90/C270): 1.28

Picture Of Luminaire



Luminous Intensity Distribution Curve



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

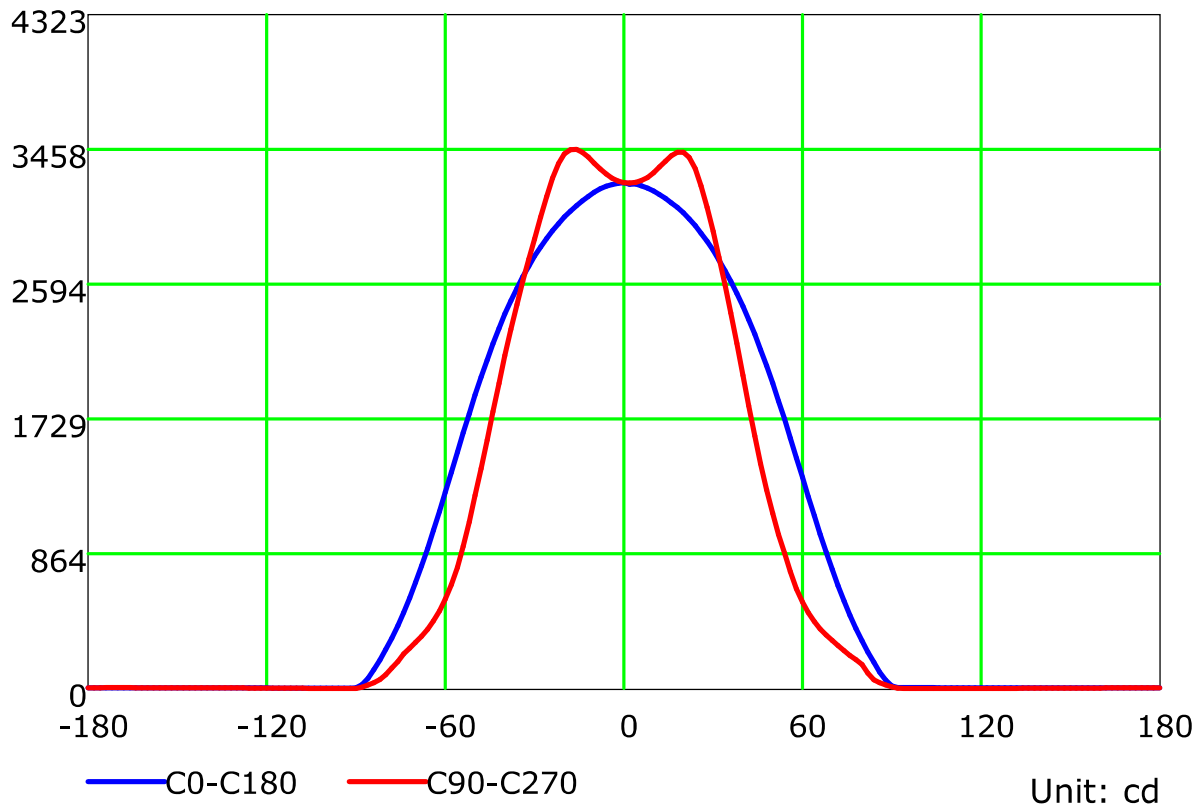
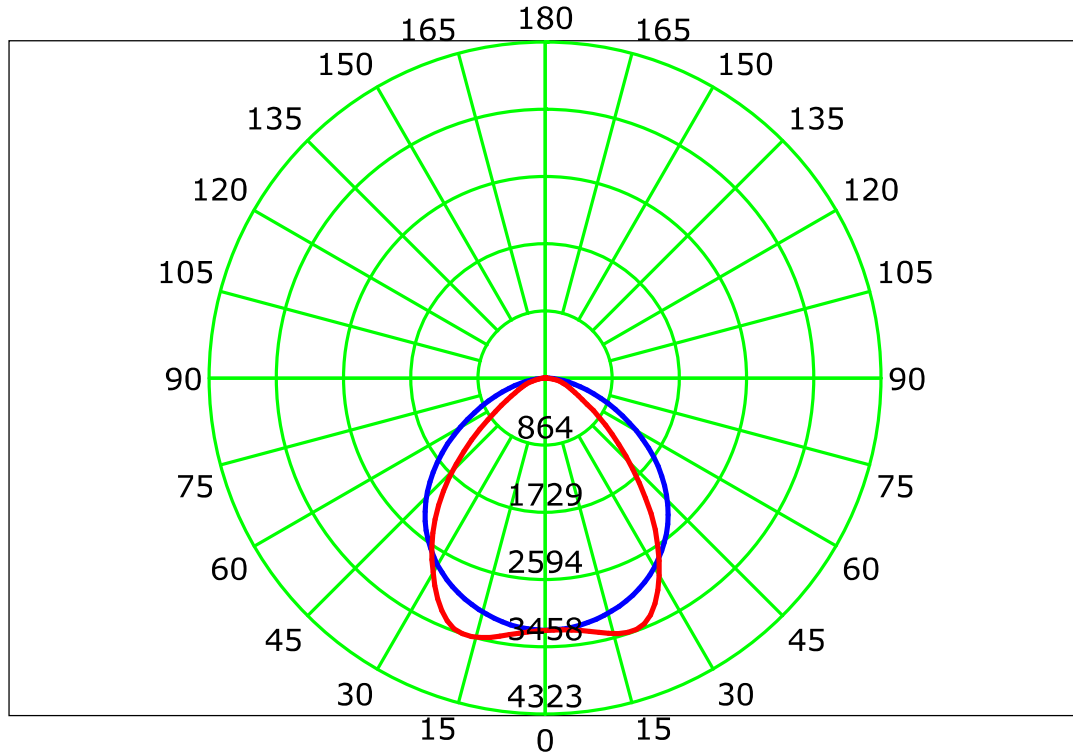
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

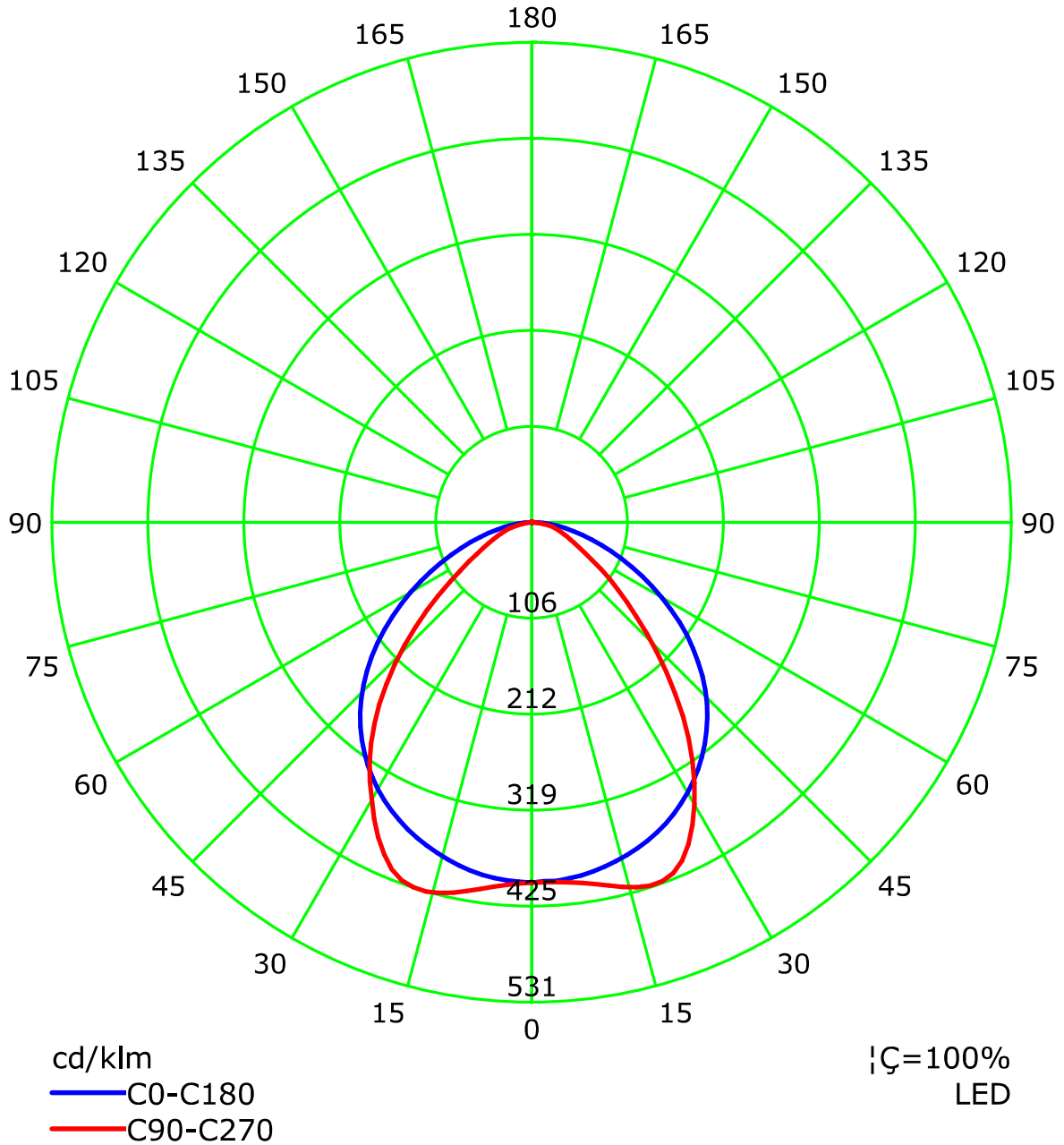
Test Device: LSG-1800B

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:

Gamma Plane (°):0.0-180.0:2.0

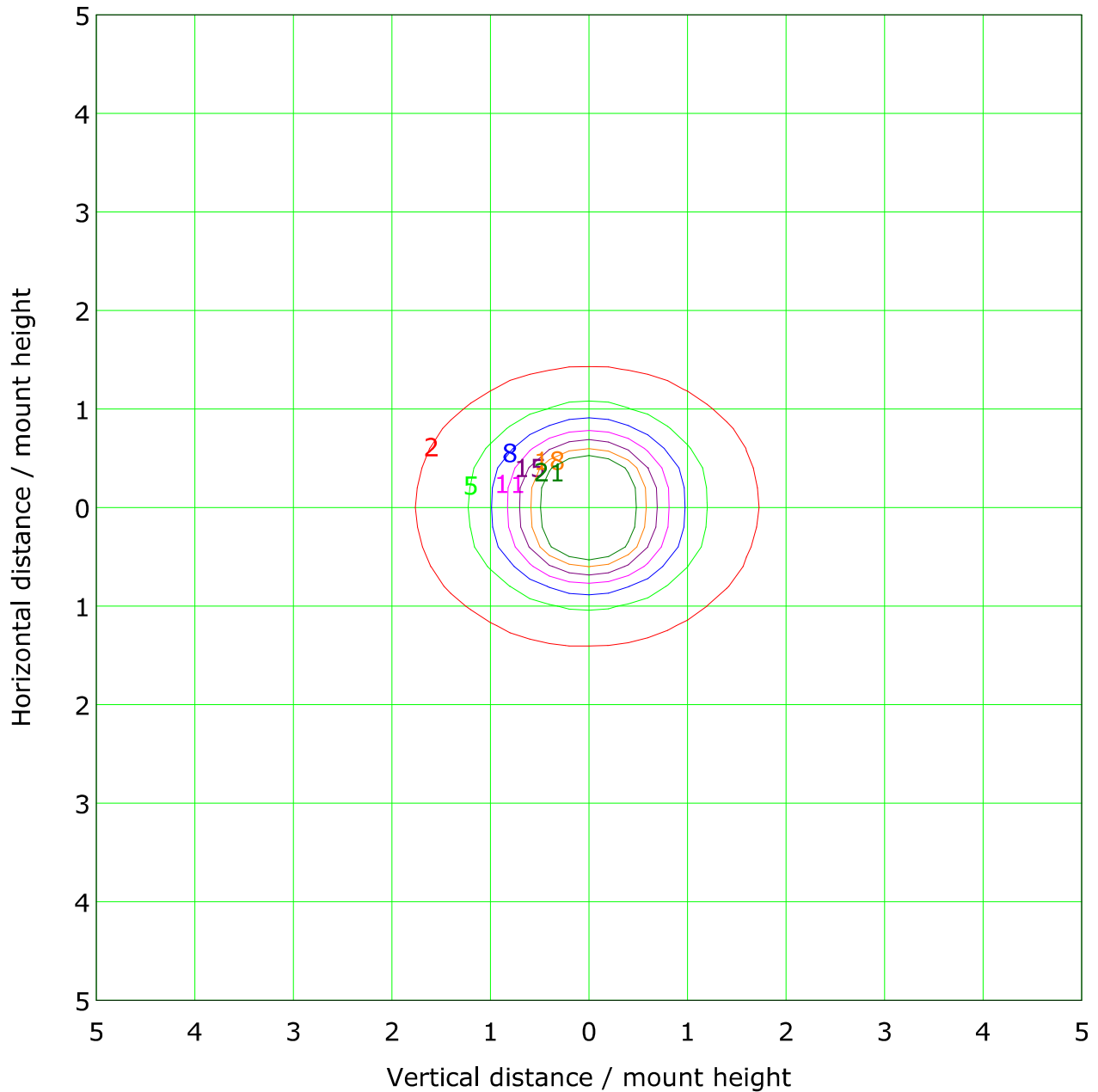
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

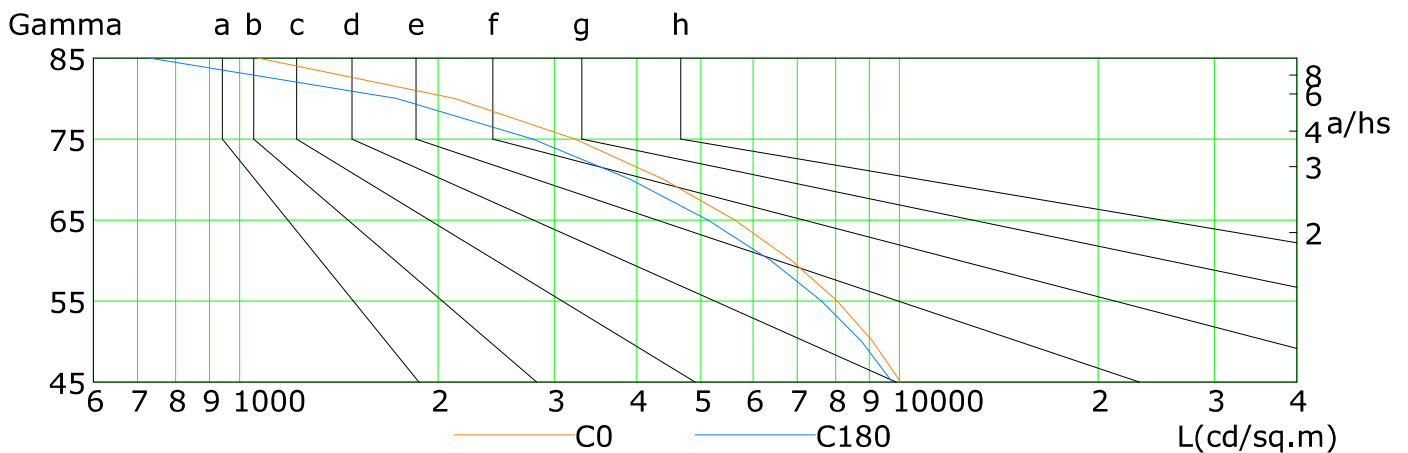
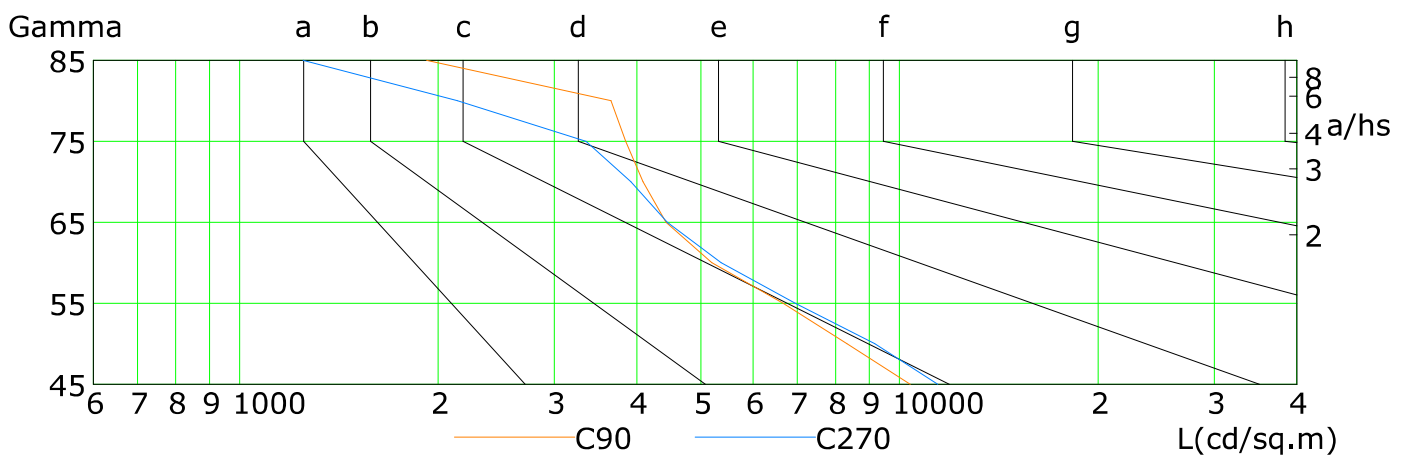
Humidity:

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	10043	9113	8053	6860	5628	4394	3224	2115	1067
C90	10389	8326	6668	5196	4426	4085	3846	3654	1920
C180	9755	8761	7624	6381	5125	3912	2781	1728	730
C270	11434	9175	6952	5369	4447	3914	3350	2137	1247

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

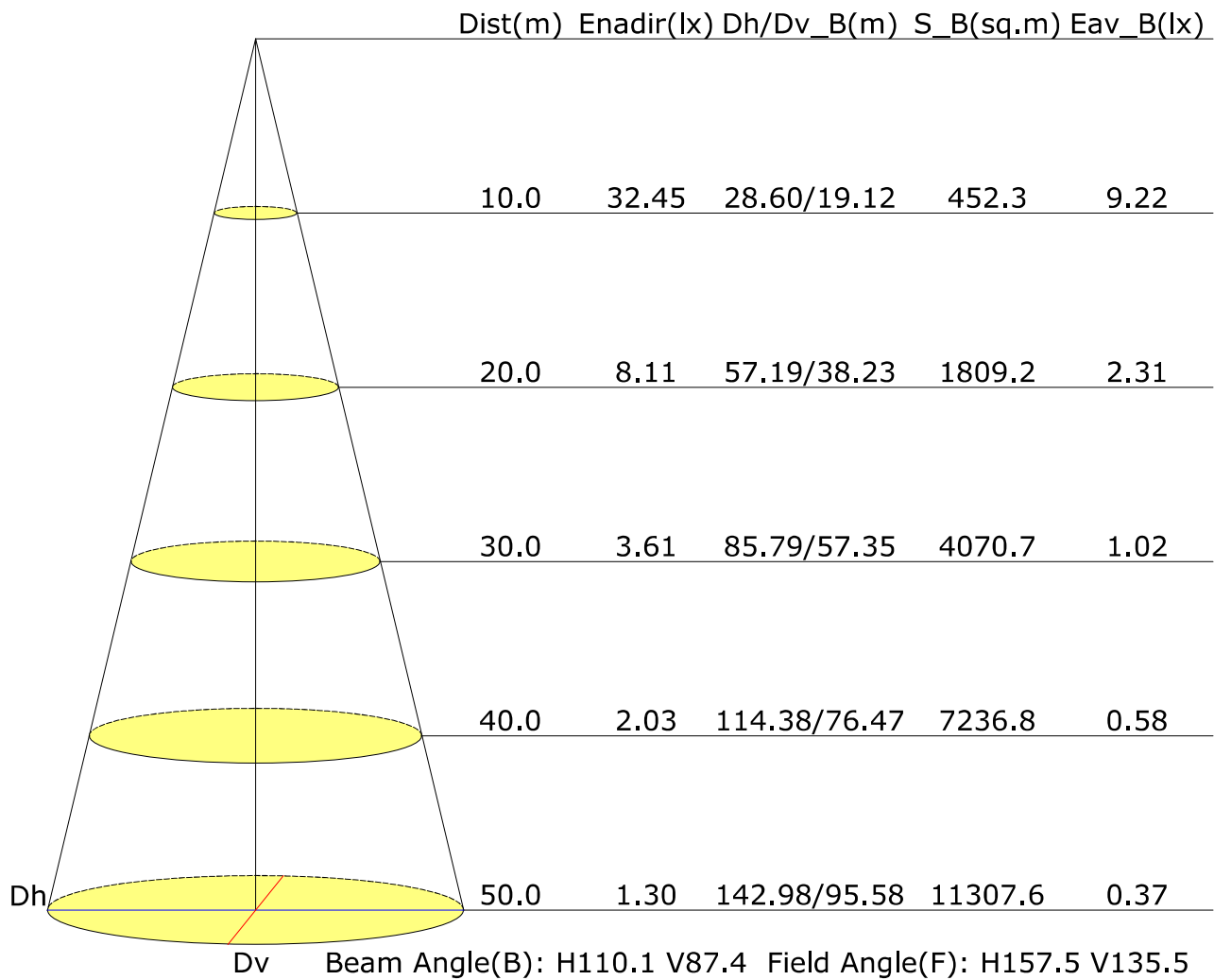
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: