

Report No.: 1

Test Time: 30.03.2019 17:31

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 220W 5000K Lamp Description: LED

Luminous Diameter (mm): 400

Luminous Height (mm): 215

Current: 1.014 A

Power Factor: 0.983

Voltage: 220.7 V

Power: 220.27 W

Photometric Results

CIE Class: Direct

Measurement Flux: 31994.6 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.9, 155.0, 154.9, 154.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.6, 115.7, 115.6, 115.7

Luminaire Efficacy Rating (LER): 145.30

Max. Intensity: 11024.96 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 31994.6 lm

Efficiency: 100%

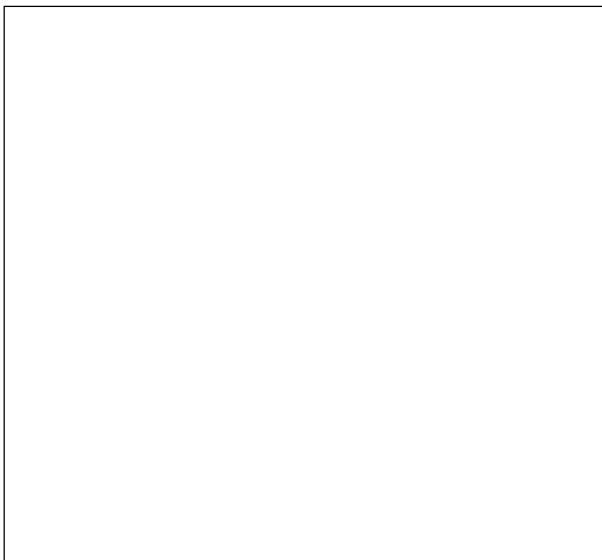
Upward Ratio: 1%

Central Intensity: 11022.31 cd

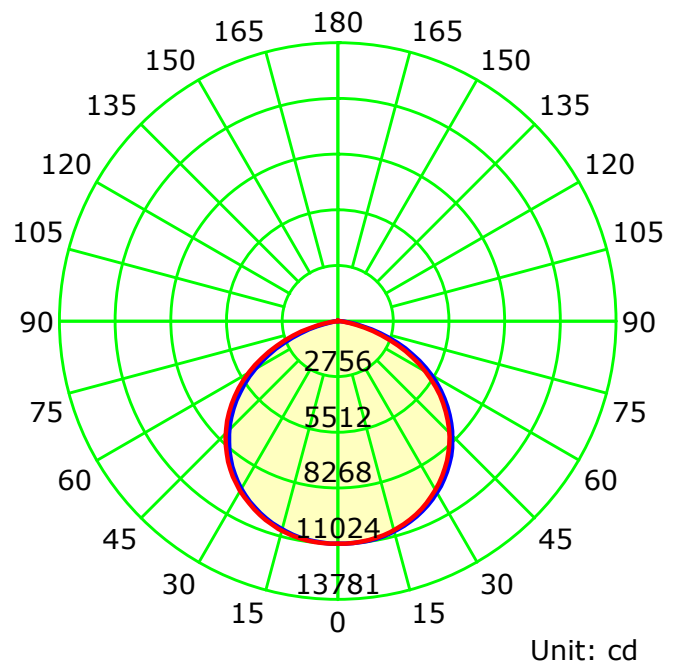
Pos of Max. Intensity: H135 V0

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

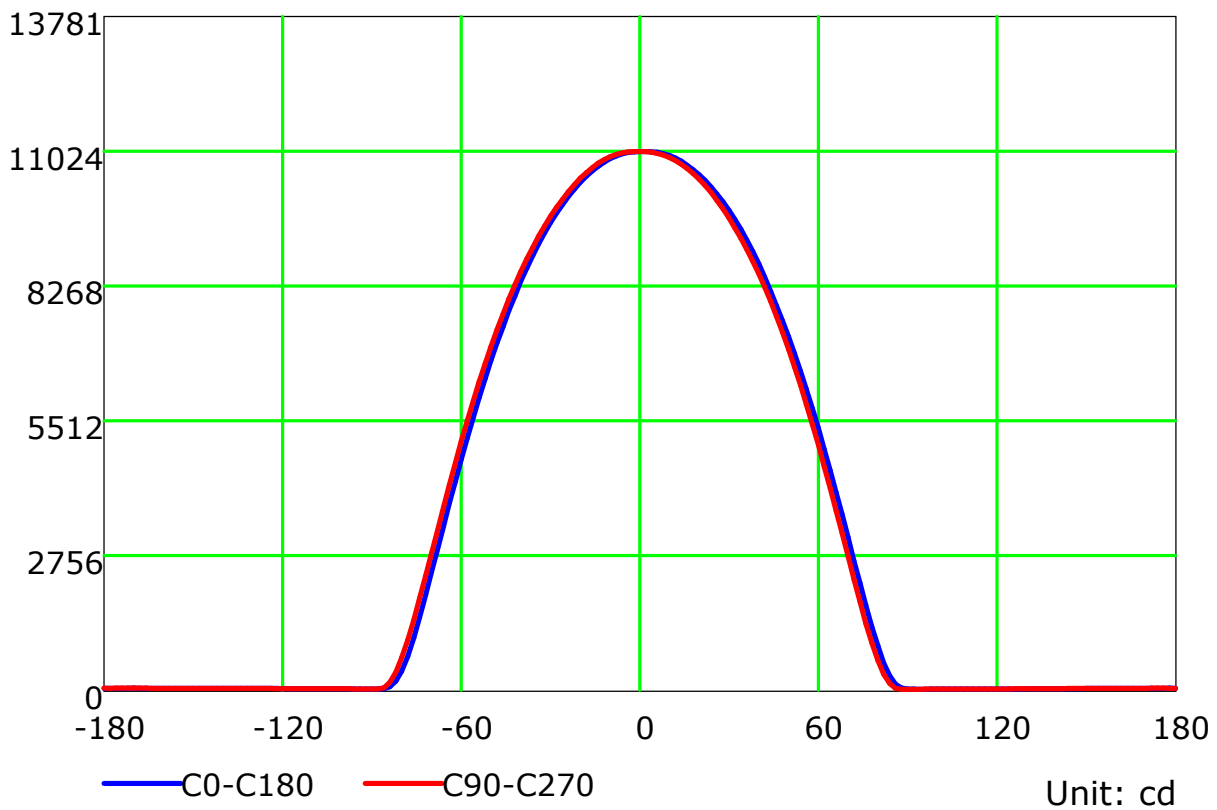
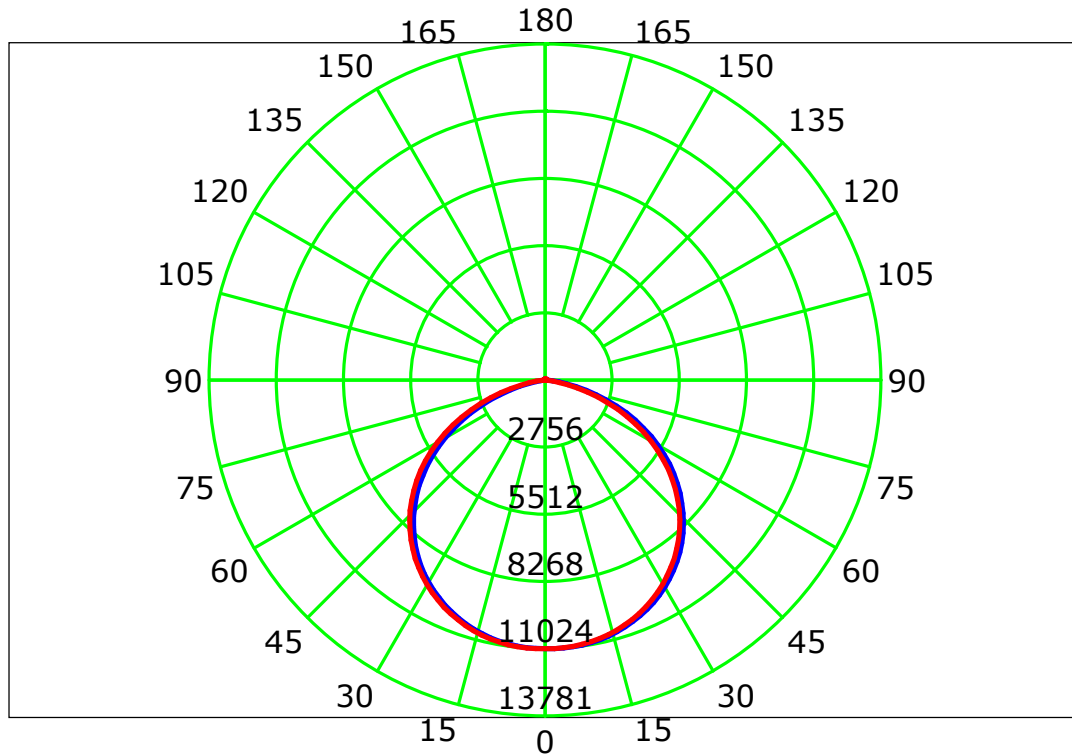
Test Device: LSG-1800B

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

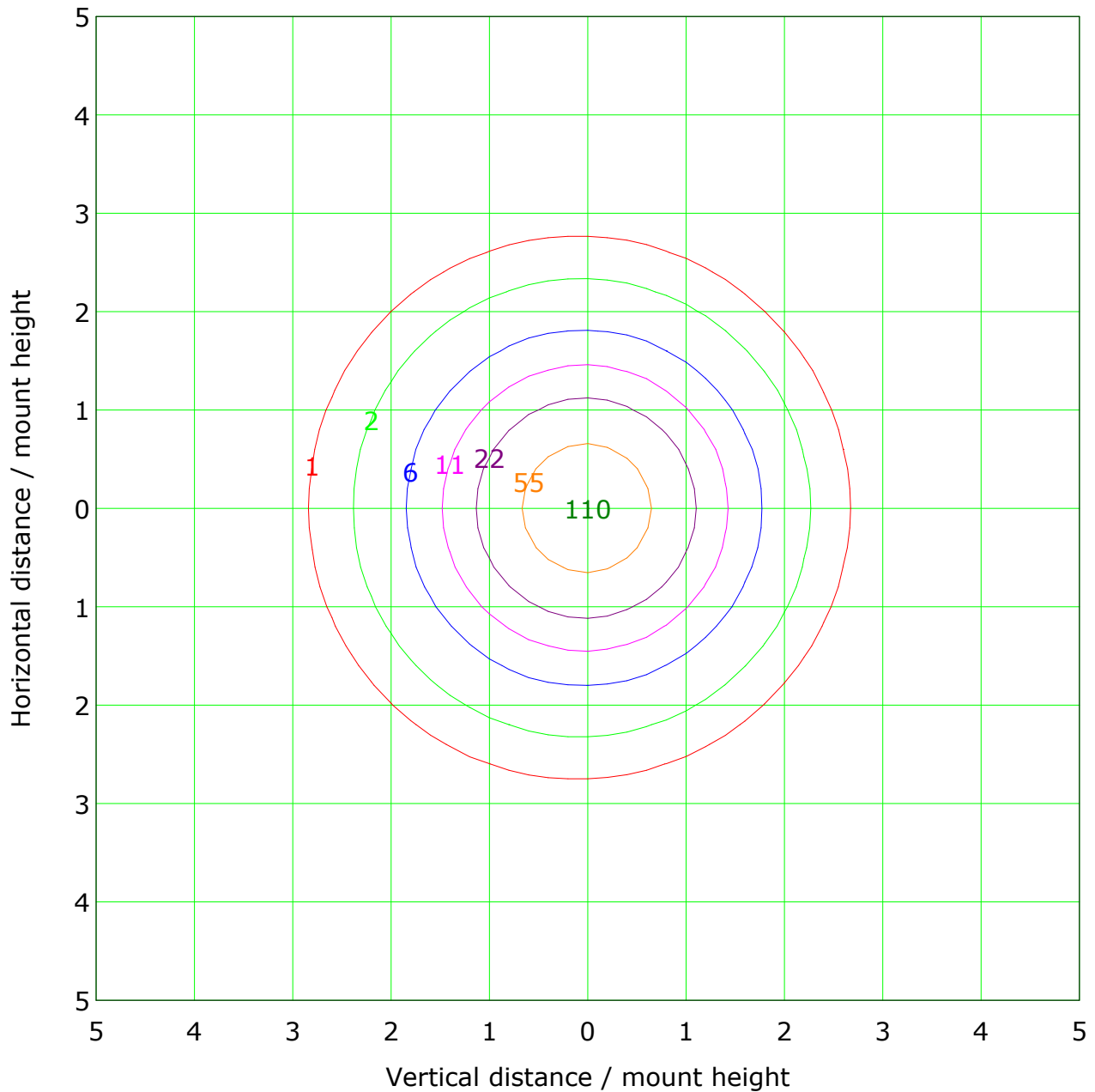
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 110.2 lx

(1%): 1.1 lx	(2%): 2.2 lx
(5%): 5.5 lx	(10%): 11.0 lx
(20%): 22.0 lx	(50%): 55.1 lx
(100%): 110.2 lx	

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

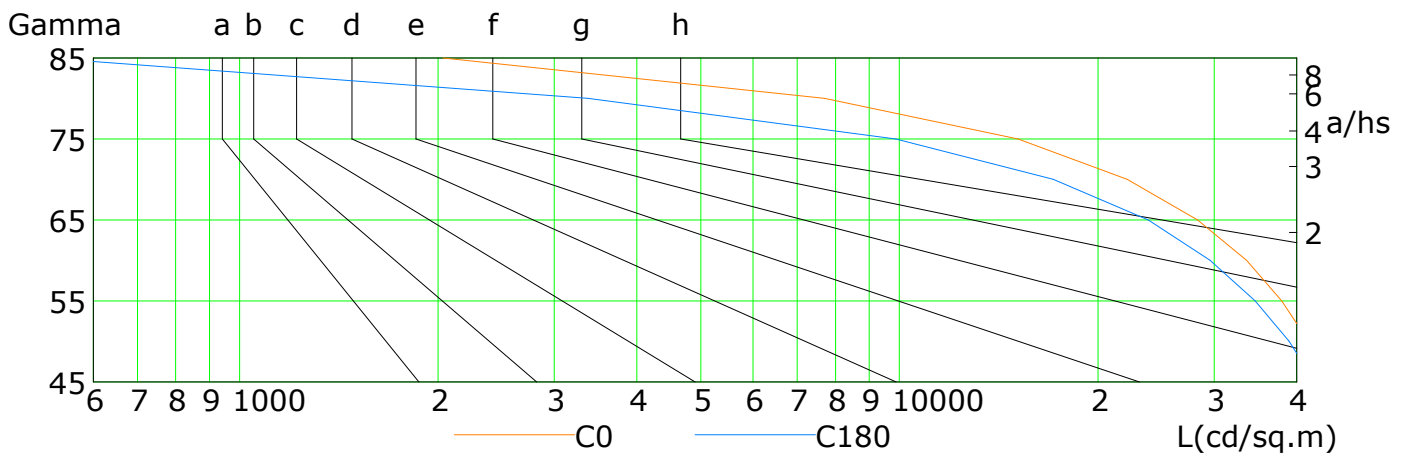
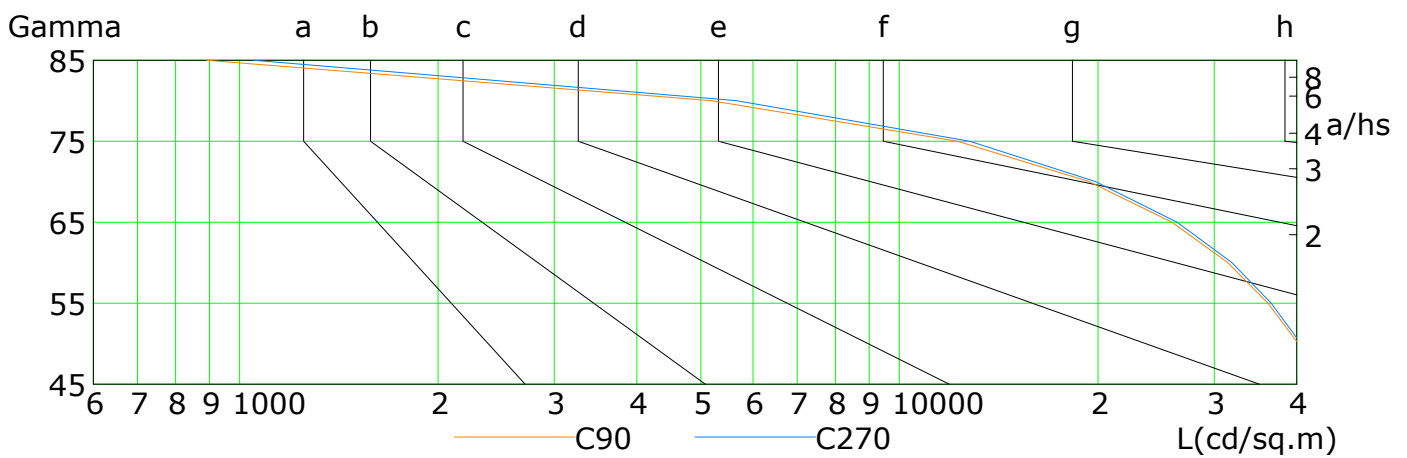
Humidity:

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	44975	41728	37984	33584	28313	22151	15126	7699	2036
C90	43806	40258	36207	31459	25891	19385	12243	5178	891
C180	42699	38954	34628	29582	23842	17113	9876	3370	516
C270	44088	40600	36618	31913	26365	19830	12785	5652	1051

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

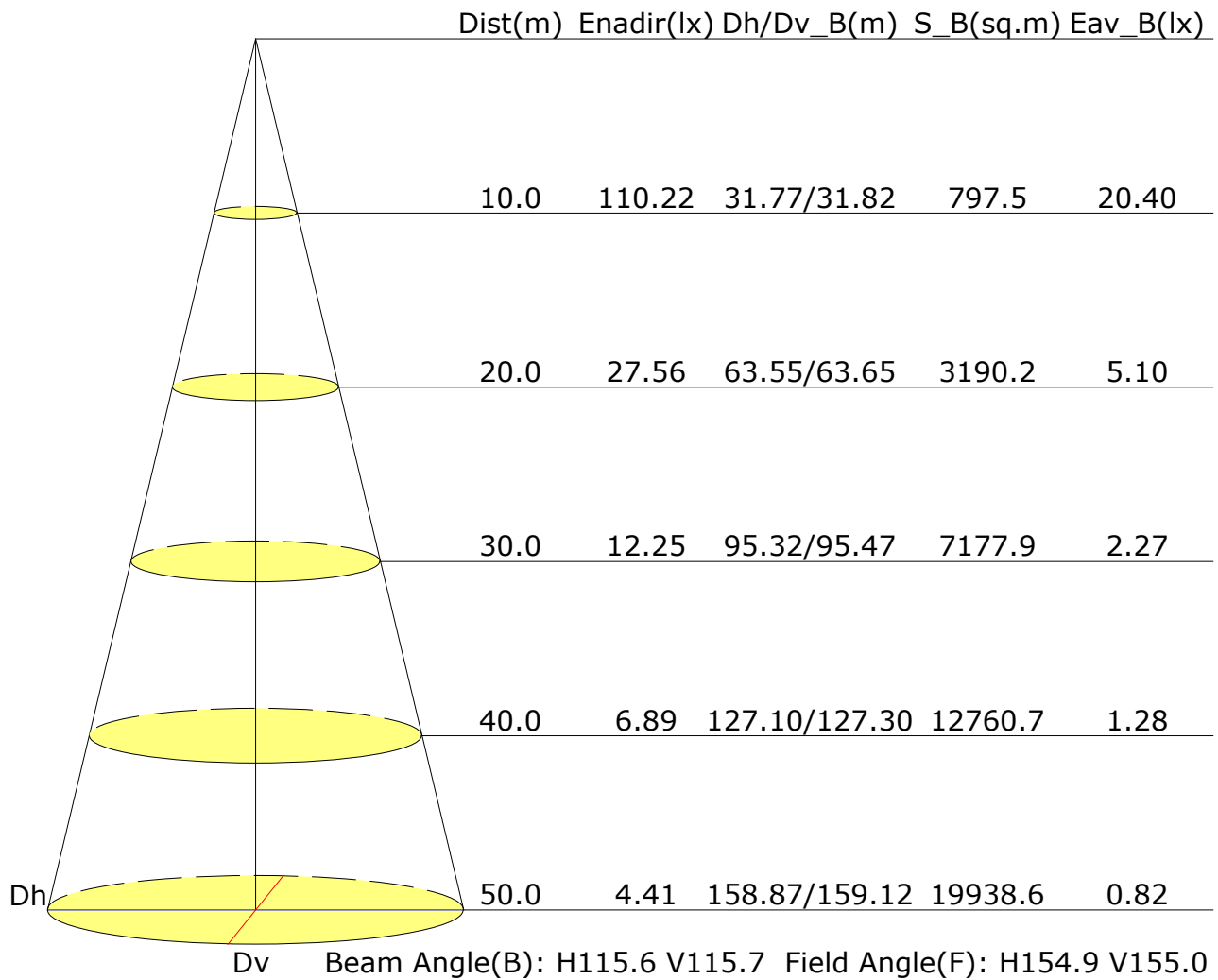
Test Device: LSG-1800B

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: