

Report No.: 3

Test Time: 08.02.2018 14:55

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 45W Refond 32-34,5Lm 5000K opal

Lamp Description: LED

Luminous Length (mm): 1550

Luminous Width (mm): 60

Luminous Height (mm): 80

Voltage: 232.0 V

Current: 0.188 A

Power: 43.34 W

Power Factor: 0.988

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5502.4 lm

Measurement Flux: 5502.4 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.8, 163.4, 164.1, 164.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.5, 109.0, 109.6, 109.7

Luminaire Efficacy Rating (LER): 127.01

Central Intensity: 1951.66 cd

Max. Intensity: 1955.4 cd

Pos of Max. Intensity: H135 V1

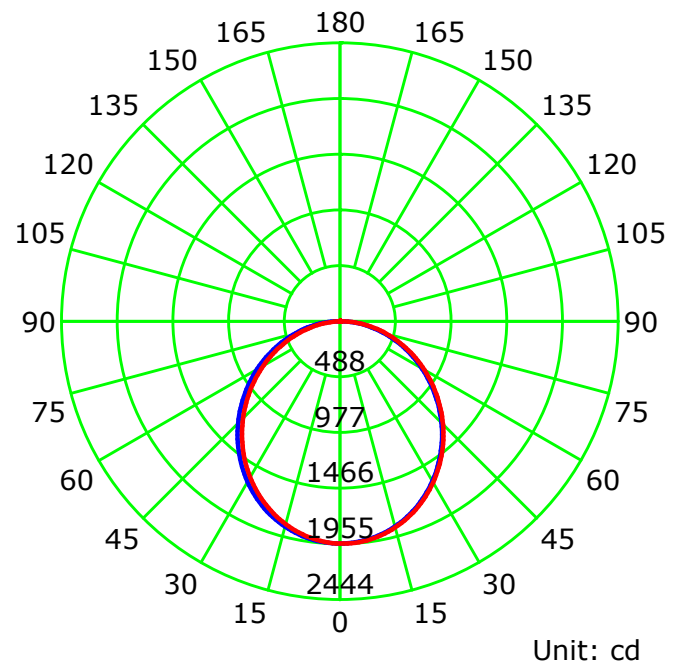
S/MH(C0/C180): 1.24

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

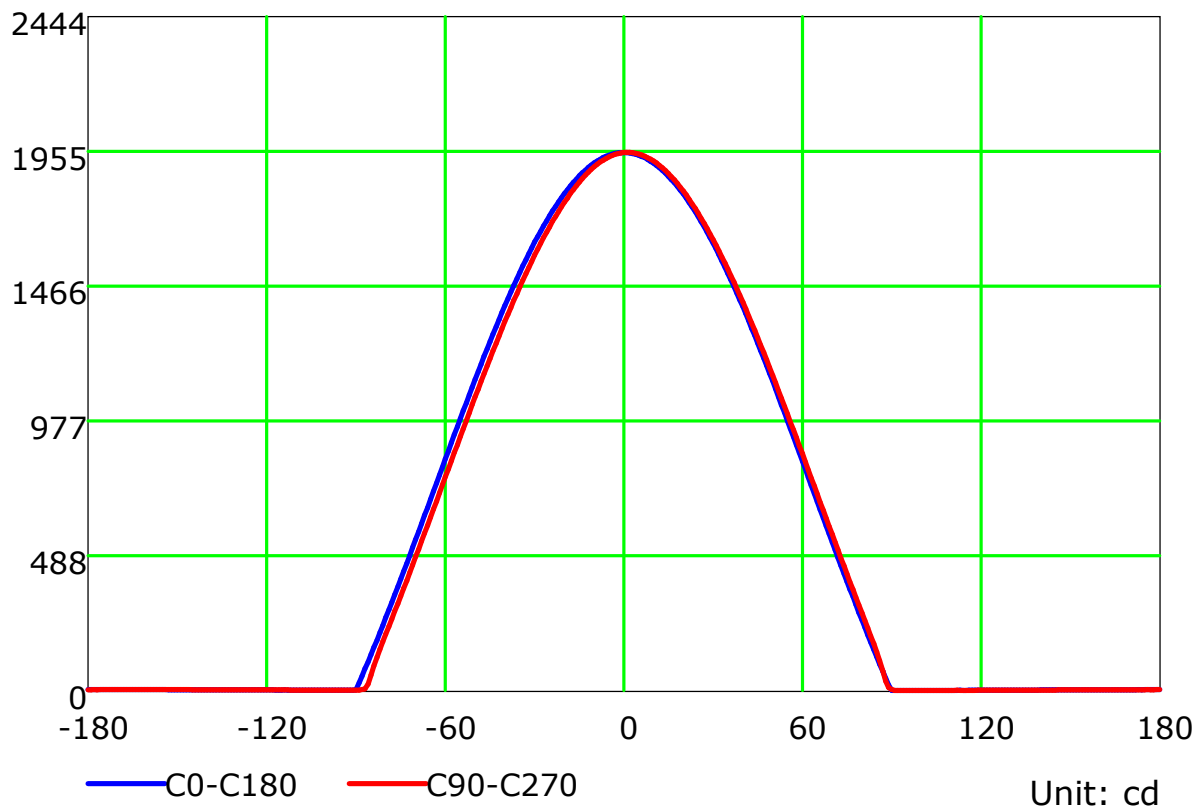
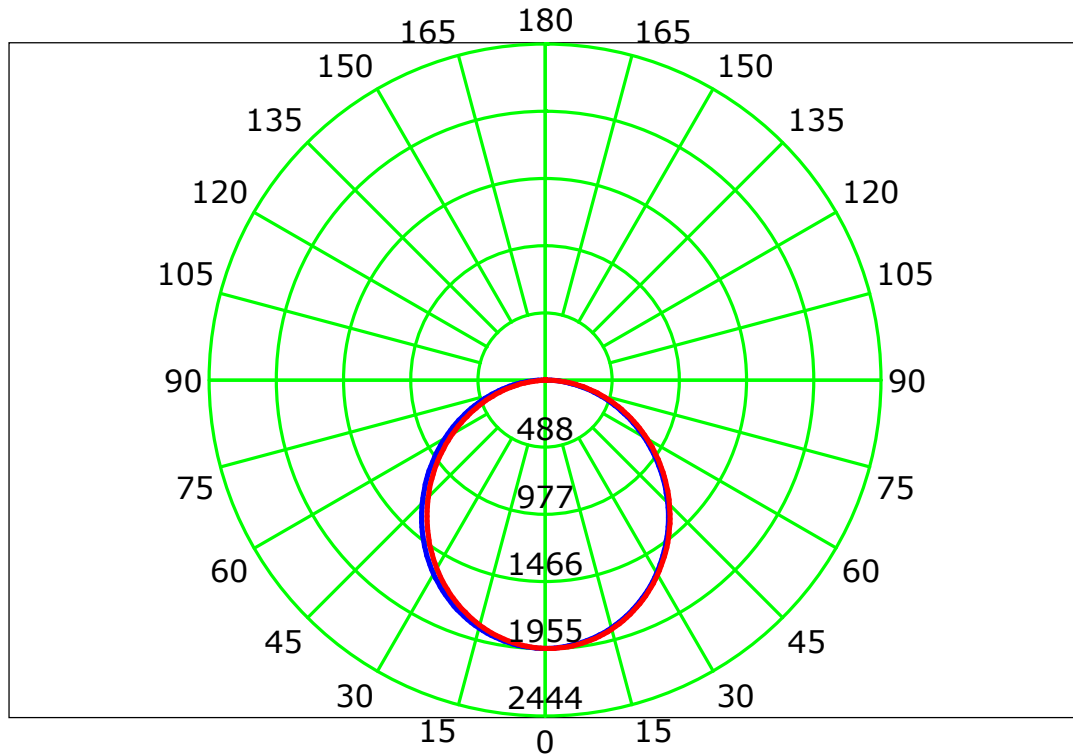
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

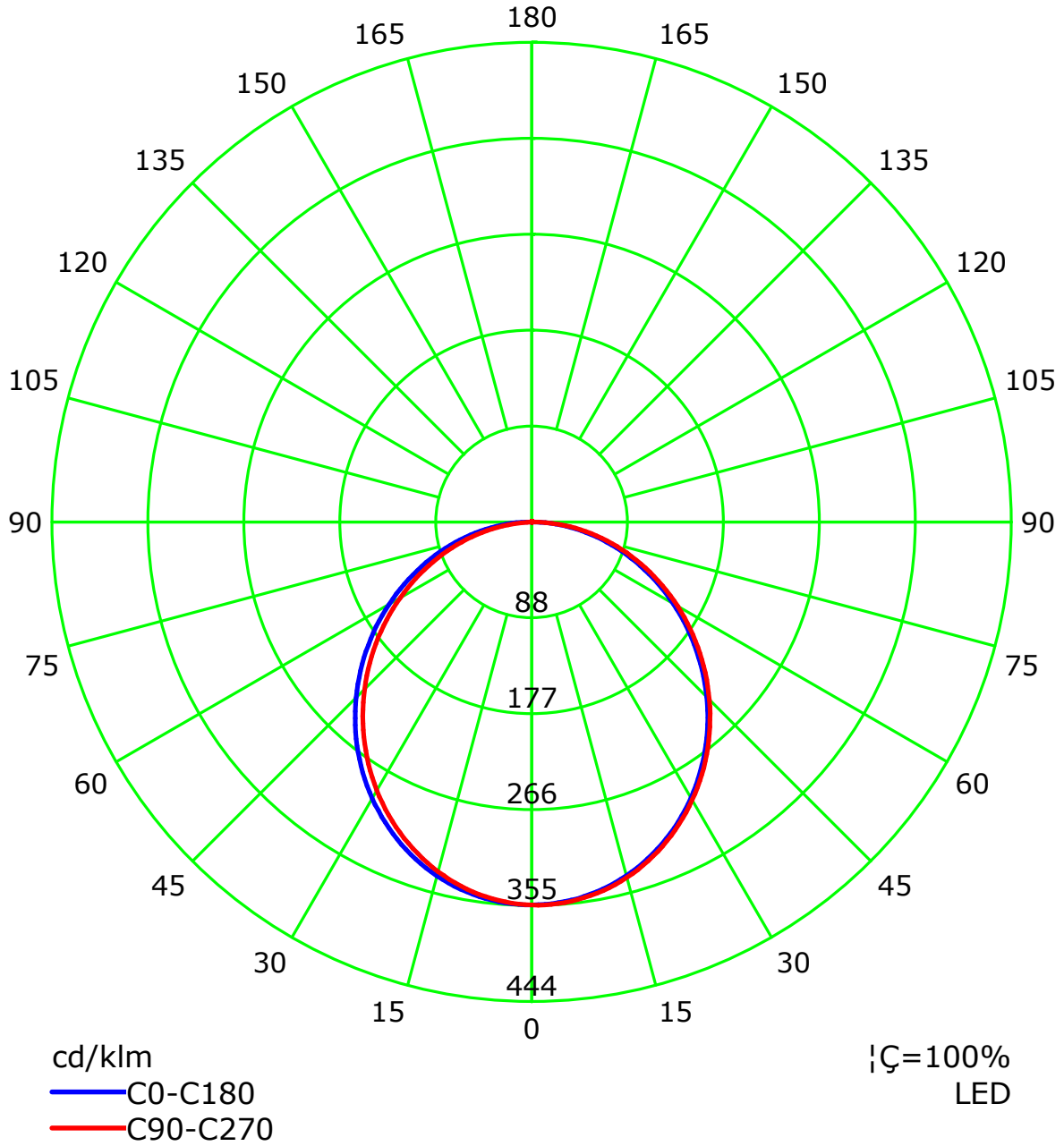
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

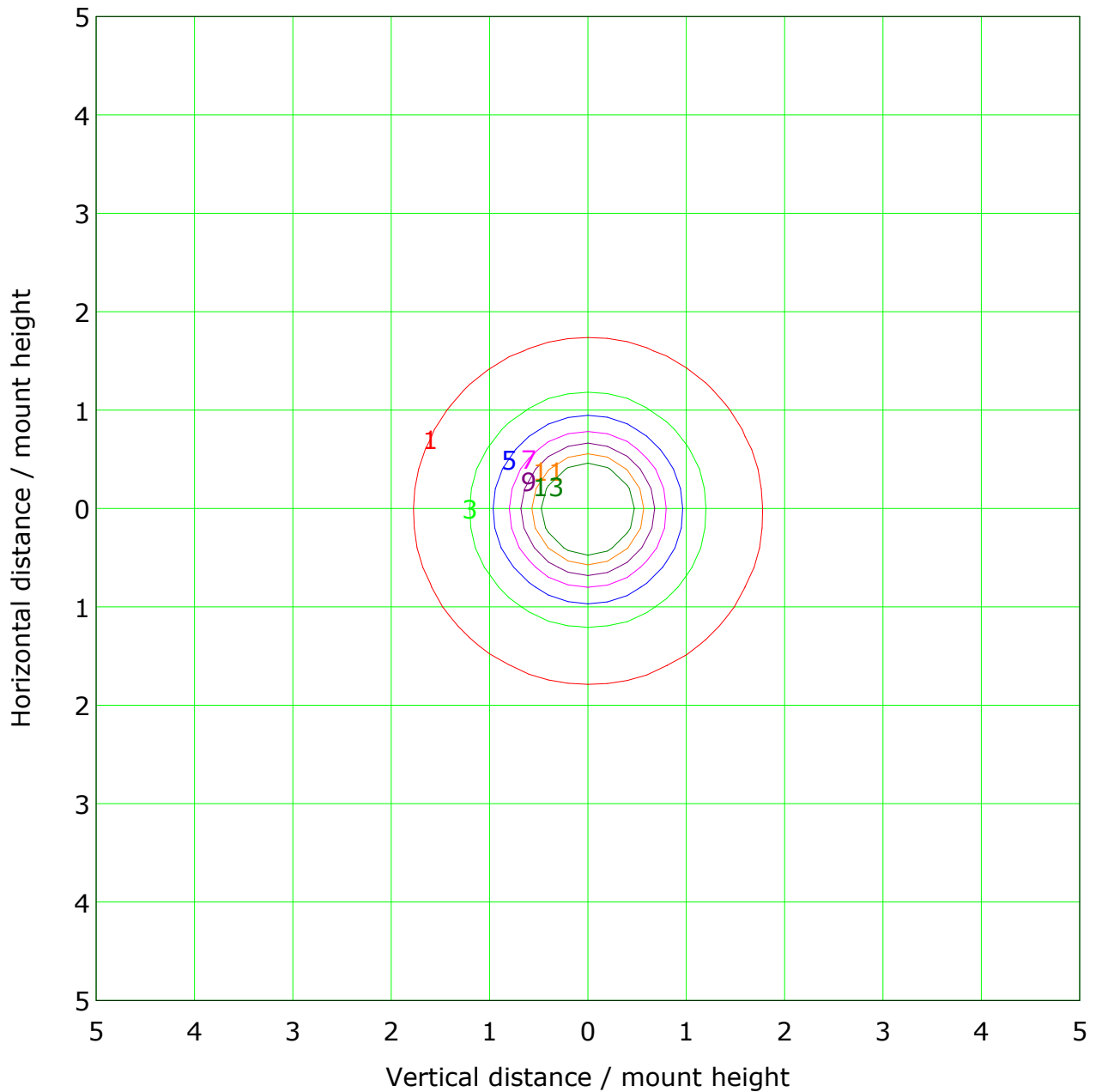
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 19.5 lx	
(5%):	1.0 lx	(15%):	2.9 lx
(25%):	4.9 lx	(35%):	6.8 lx
(45%):	8.8 lx	(55%):	10.7 lx
(65%):	12.7 lx		

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

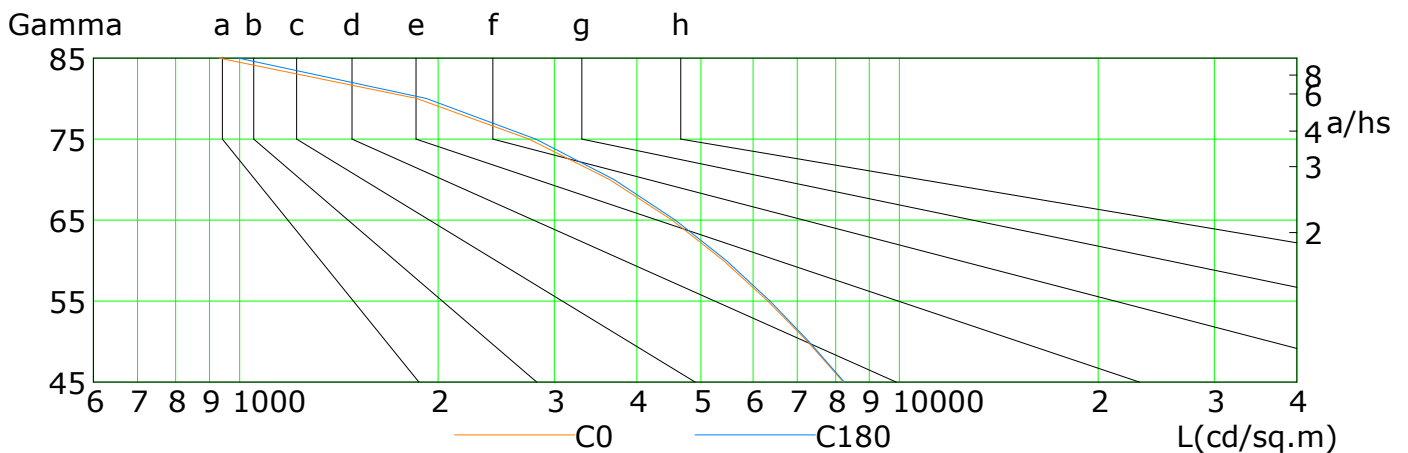
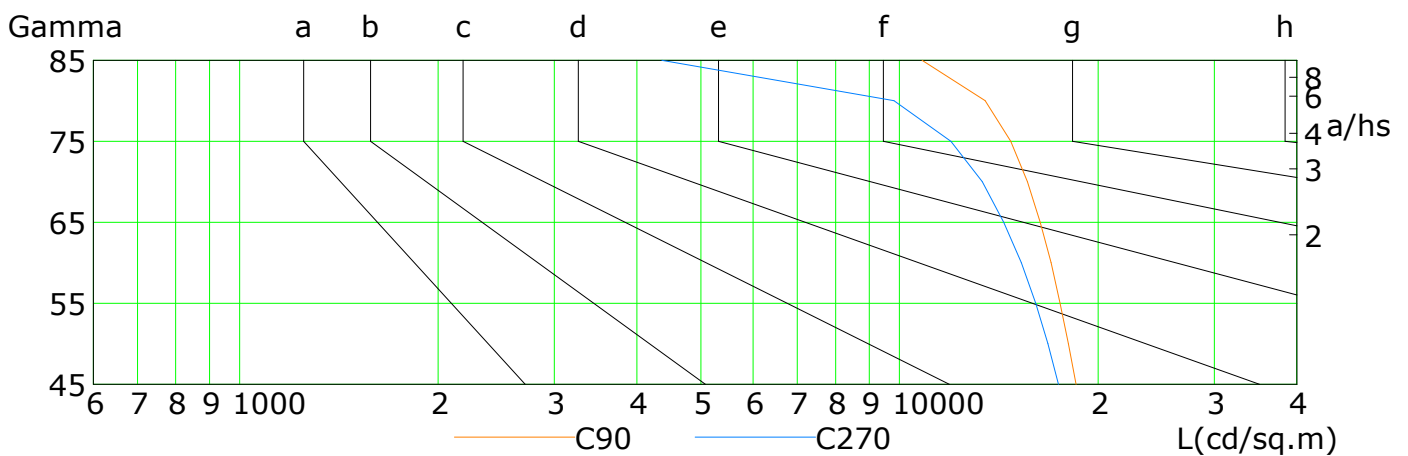
Humidity:

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	8218	7255	6317	5410	4524	3632	2746	1855	931
C90	18518	18020	17520	16969	16336	15632	14749	13481	10815
C180	8251	7287	6364	5463	4575	3691	2810	1918	996
C270	17421	16786	16088	15291	14394	13349	11968	9813	4362

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

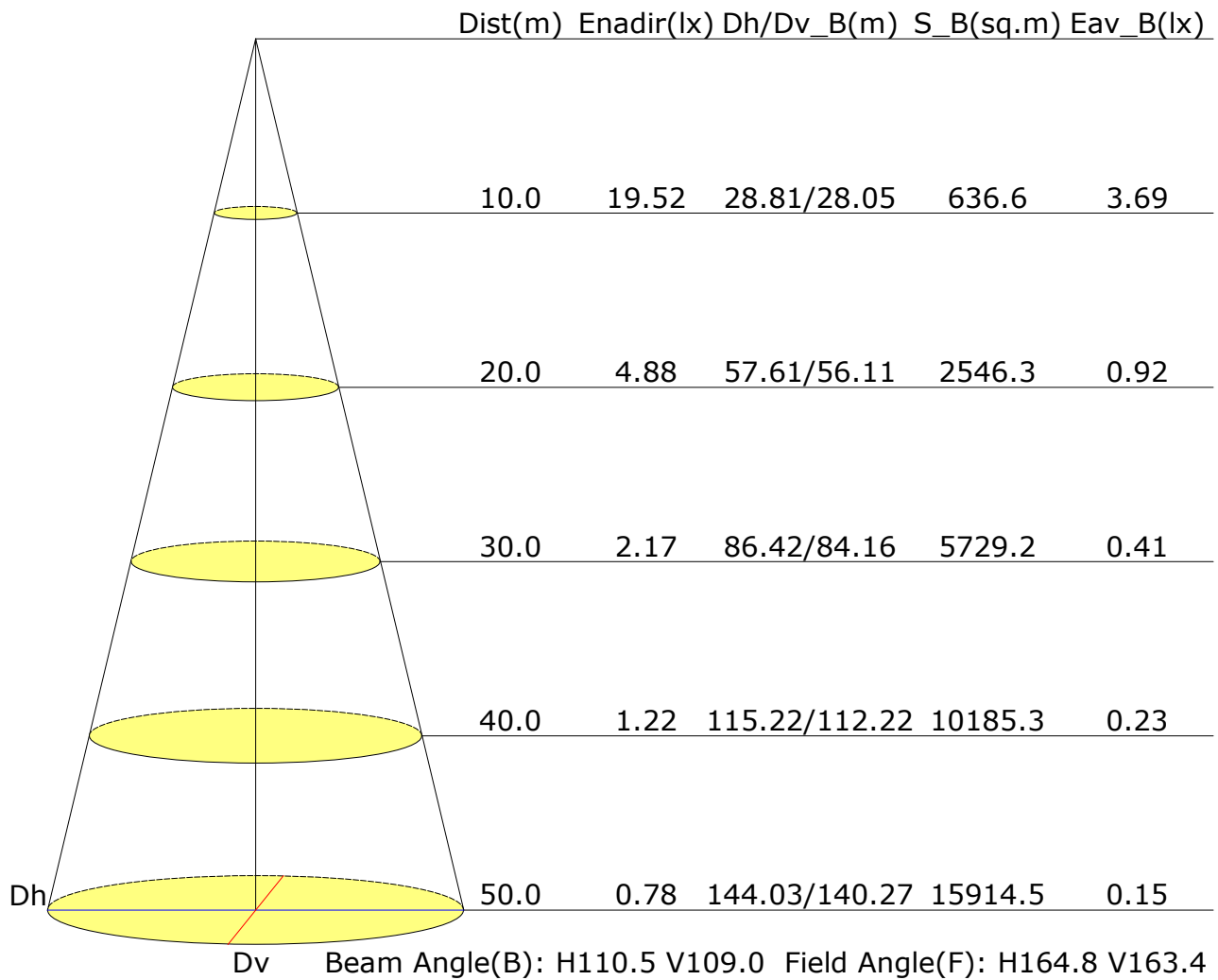
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: