

Report No.: 39

Test Time: 05.12.2017 14:39

Luminaire Property

Luminaire Manufacturer: FAROS

Lamp Description: FG 50 25x3LED 0,3A 30W 4000K

Luminous Length (mm): 945

Voltage: 231.7 V

Power: 28.51 W

Luminous Width (mm): 55

Current: 0.125 A

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Measurement Flux: 3560.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.1, 132.7, 138.4, 143.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.5, 112.6, 113.8, 113.8

Luminaire Efficacy Rating (LER): 124.93

Max. Intensity: 1356.62 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 3560.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1344.75 cd

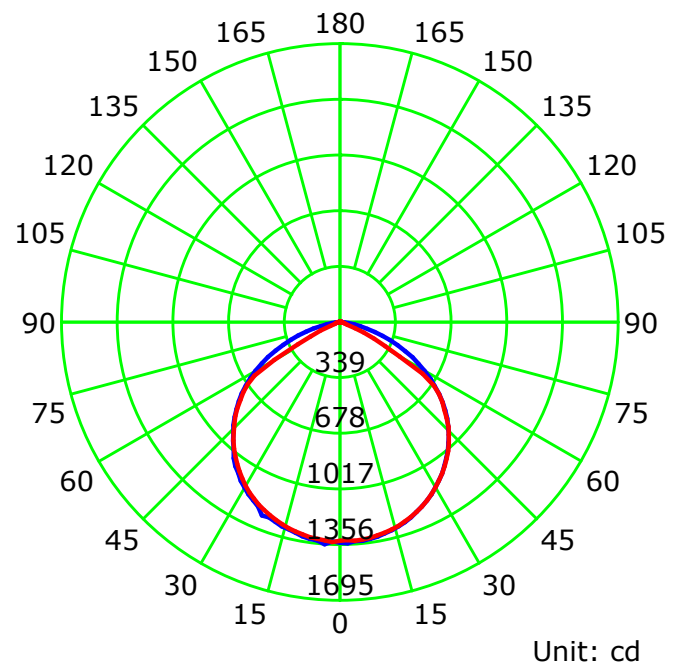
Pos of Max. Intensity: H180 V4

S/MH(C90/C270): 1.29

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

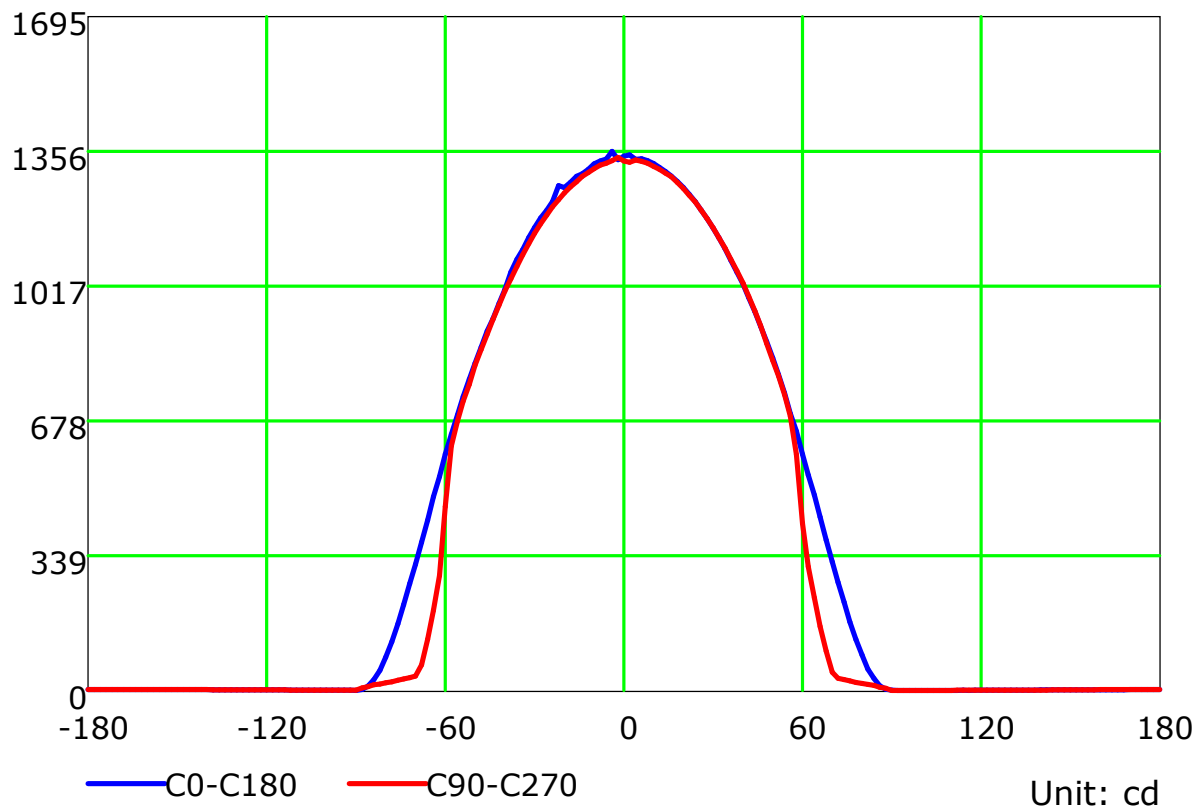
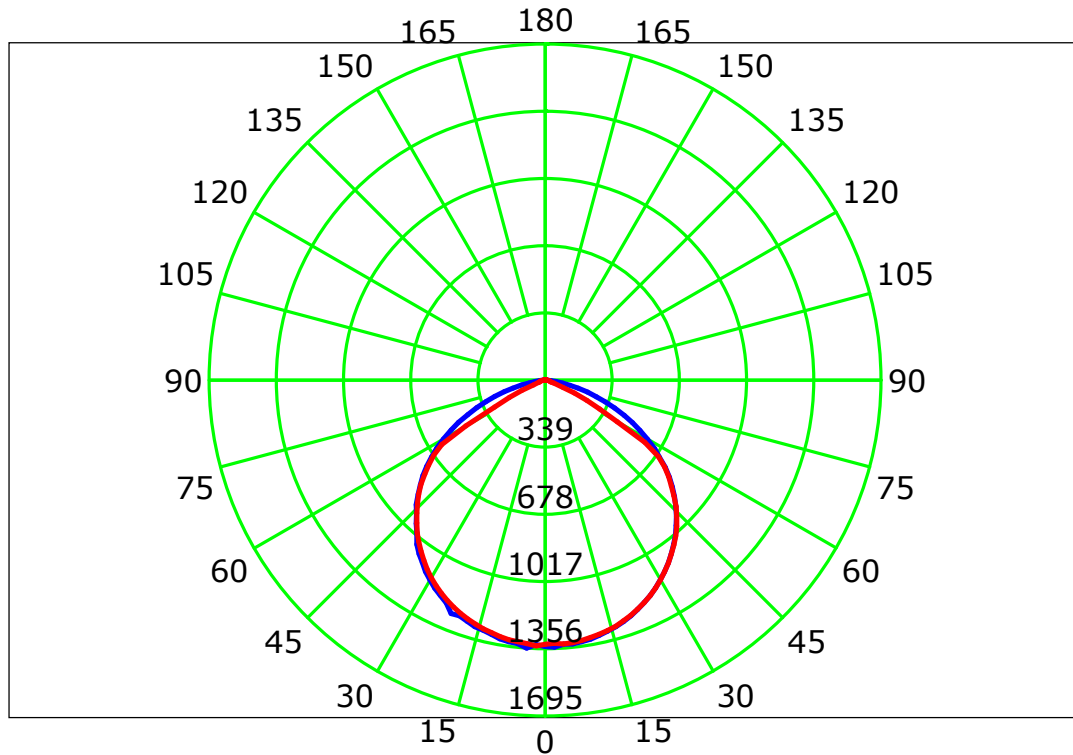
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

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

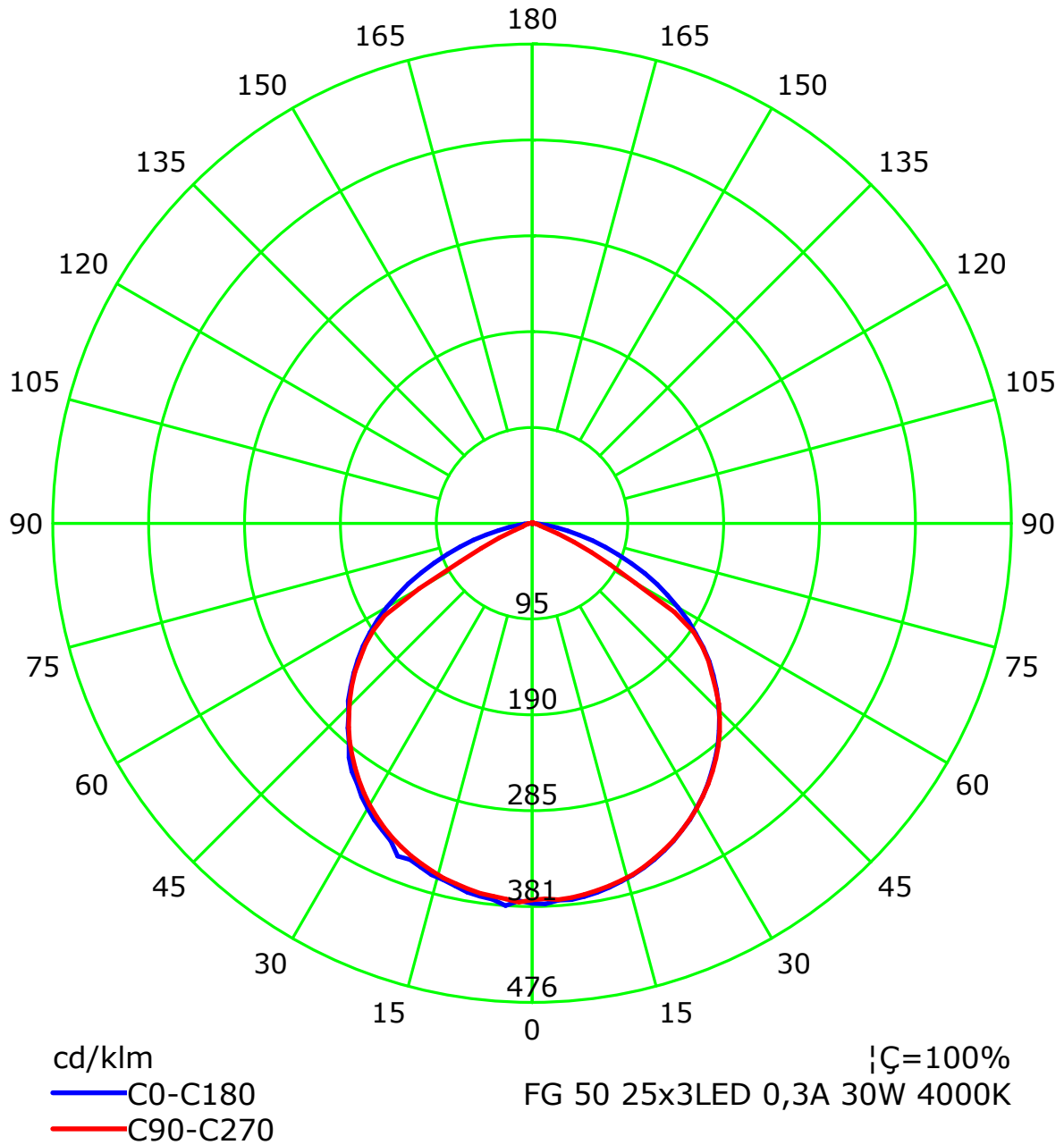
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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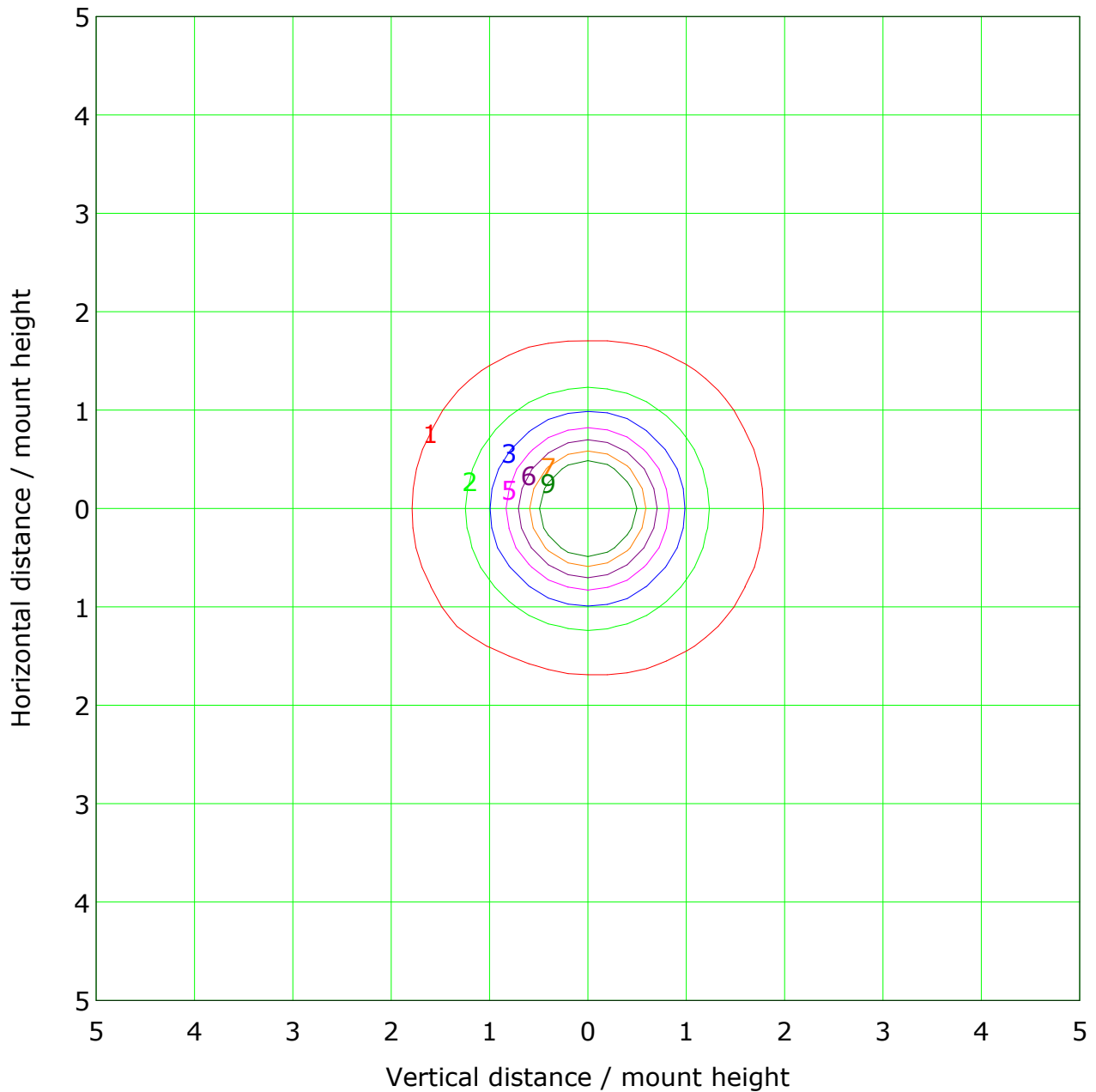
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 13.5 lx

(5%): 0.7 lx	(15%): 2.0 lx
(25%): 3.4 lx	(35%): 4.7 lx
(45%): 6.1 lx	(55%): 7.4 lx
(65%): 8.8 lx	

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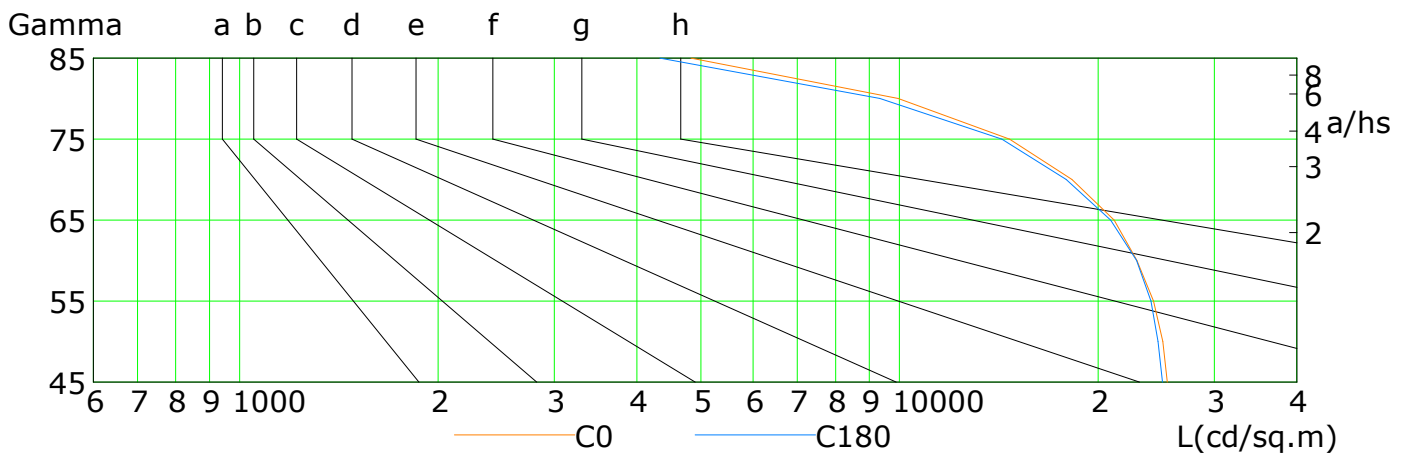
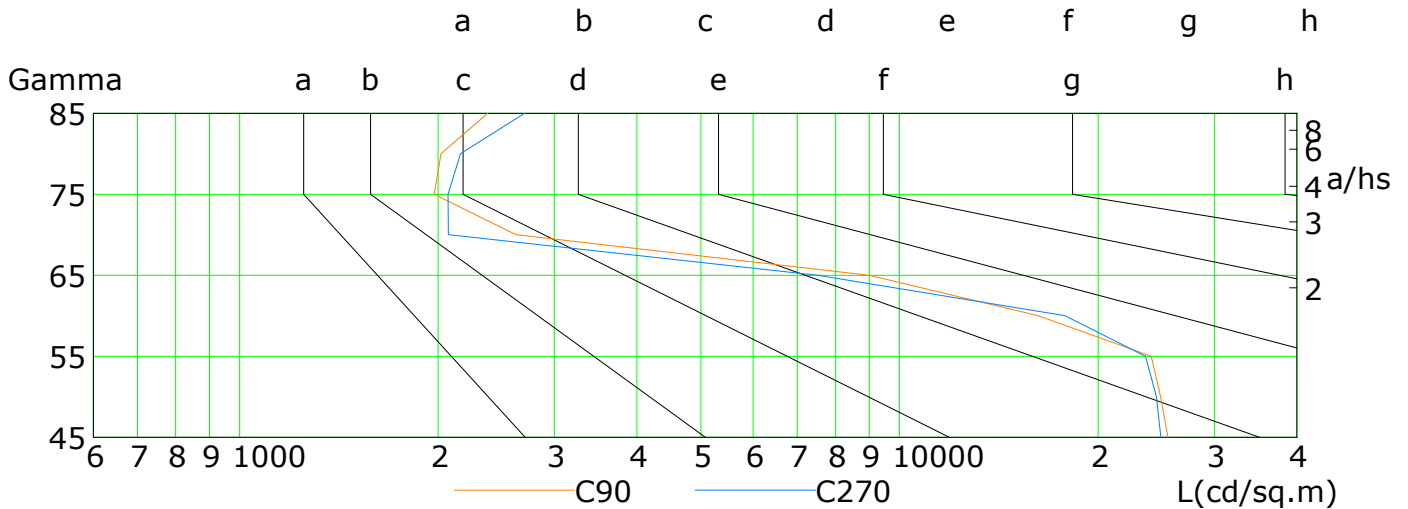
Distance: 12.606 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	25466	25073	24255	22898	21155	18242	14681	9946	4832
C90	25506	24878	24082	16210	9003	2623	1973	2020	2376
C180	25041	24653	24043	22883	20881	17887	14291	9340	4335
C270	24903	24508	23592	17811	7528	2071	2070	2161	2702

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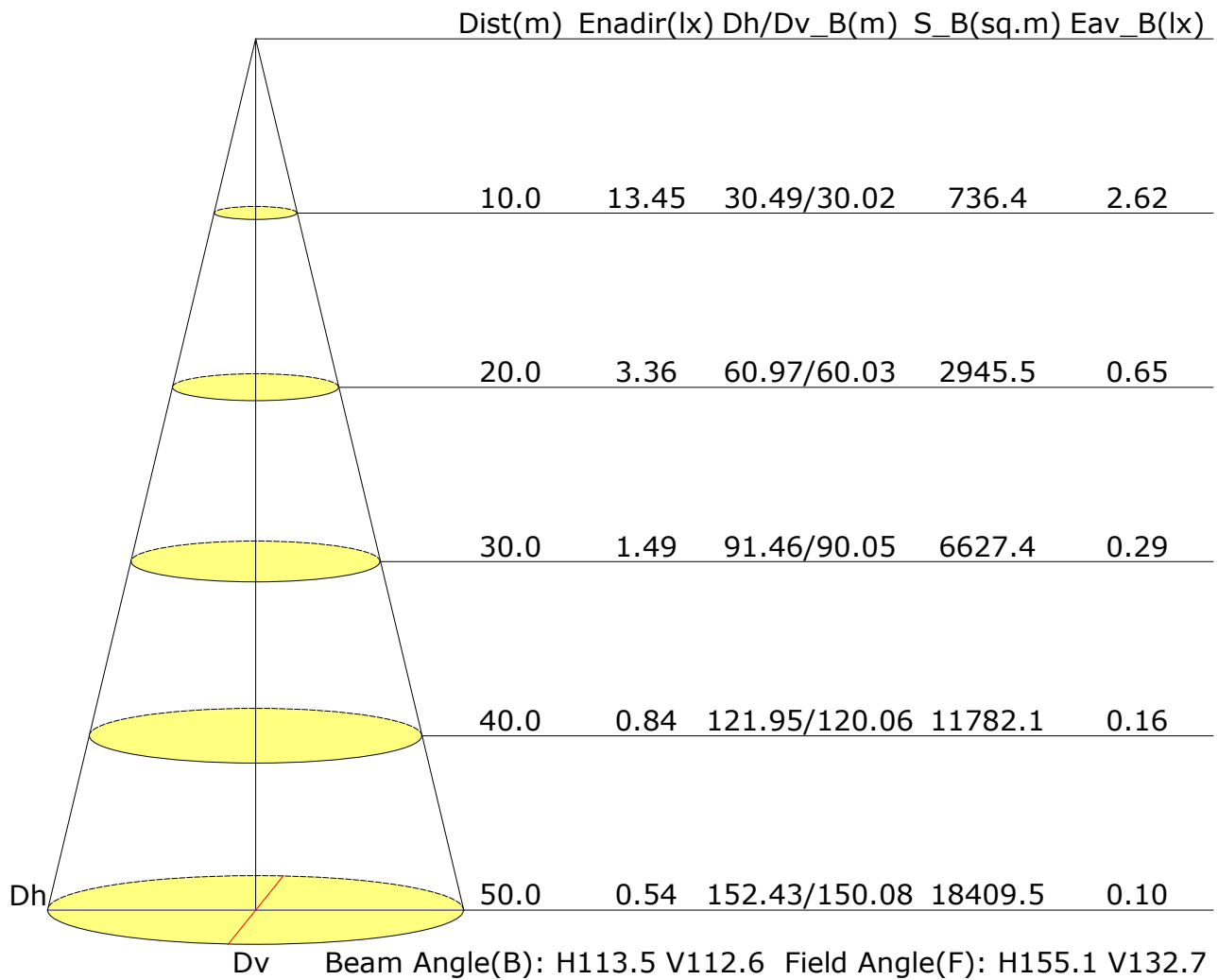
Test Device: LSG-1800B

Distance: 12.606 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: 12.606 m

Humidity:

Inspector: