

Report No.: 5

Test Time: 15.03.2018 13:12

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 360LED 220W 5000K 120 Degrees lense

Lamp Description: LED

Diameter(mm):400

Luminous High (mm): 215

Voltage: 231.2 V

Current: 0.972 A

Power: 219.91 W

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 28171.2 lm

Measurement Flux: 28171.2 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.9, 154.9, 154.8, 154.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.7, 114.5, 115.0, 114.9

Luminaire Efficacy Rating (LER): 128.15

Central Intensity: 9875.55 cd

Max. Intensity: 9875.55 cd

Pos of Max. Intensity: H0 V0

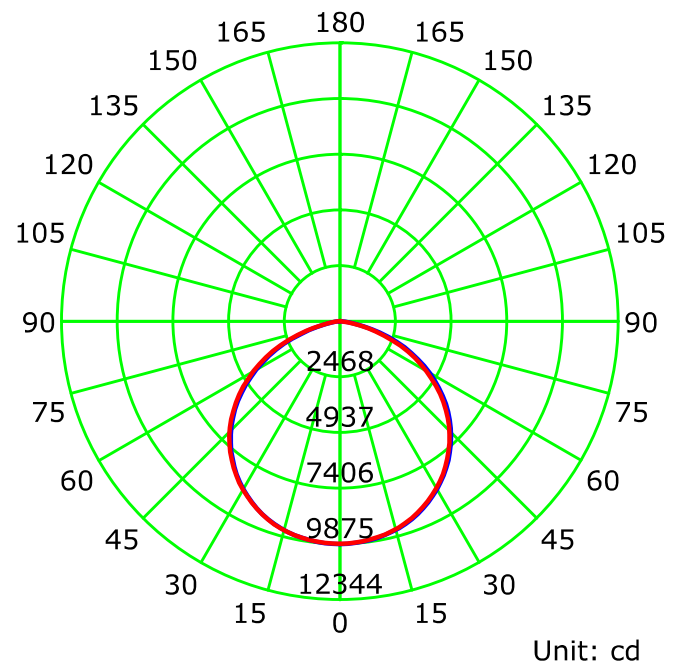
S/MH(C0/C180): 1.29

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

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

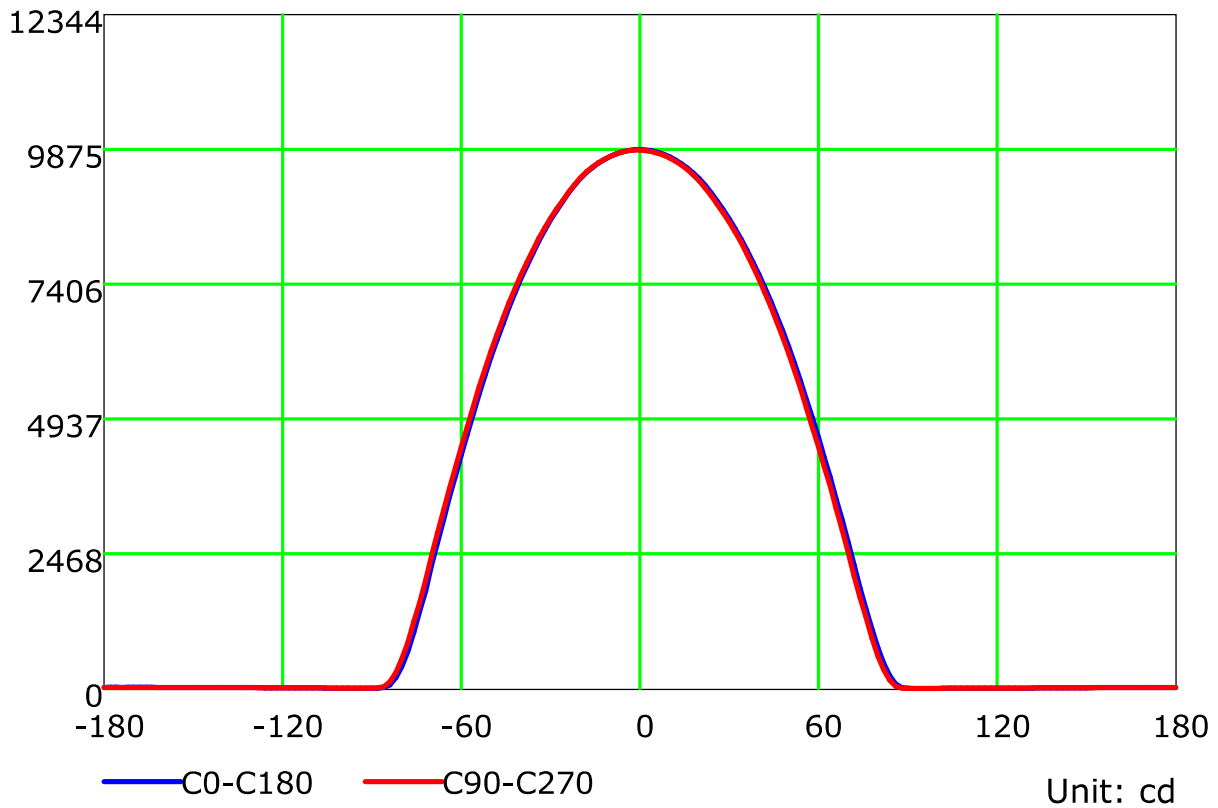
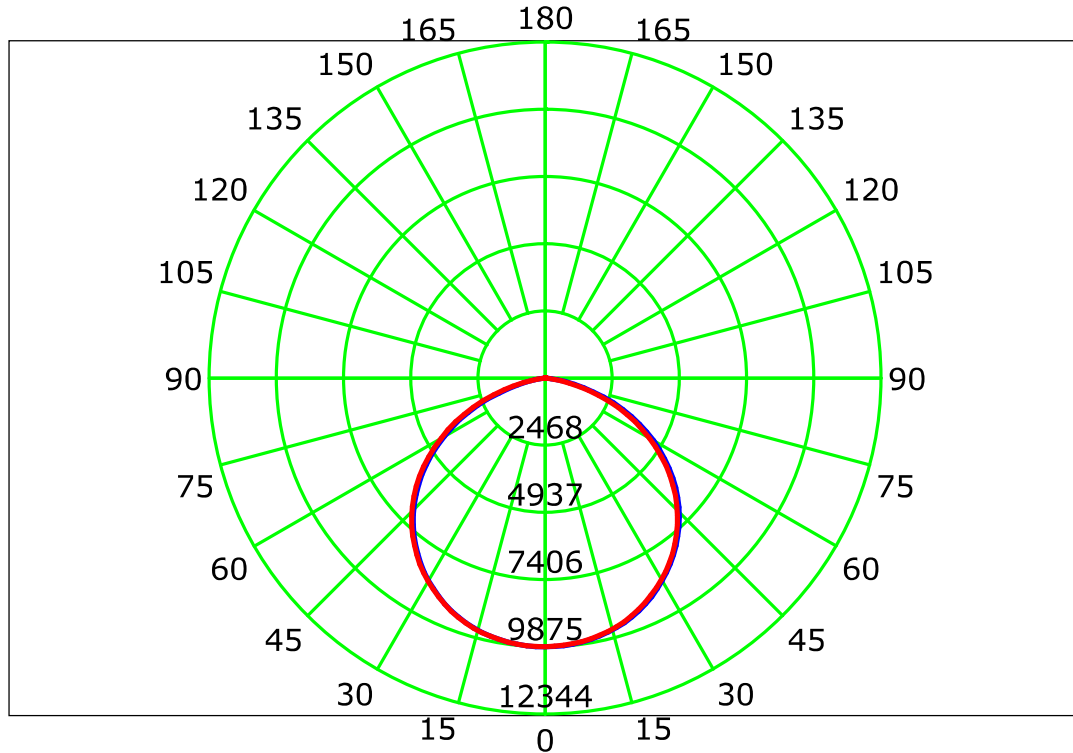
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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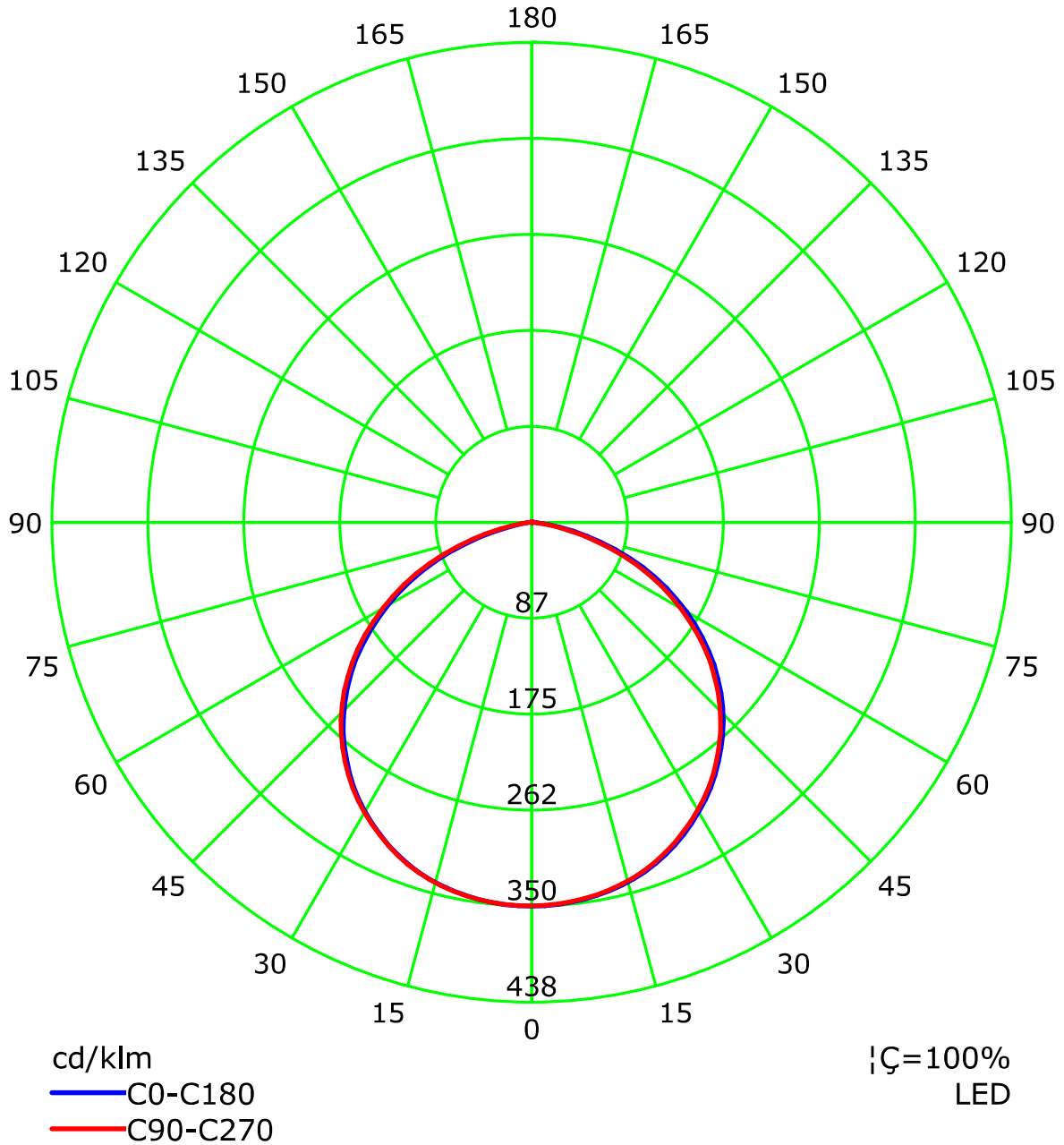
Test Device: LSG-1800B

Distance: 12.654 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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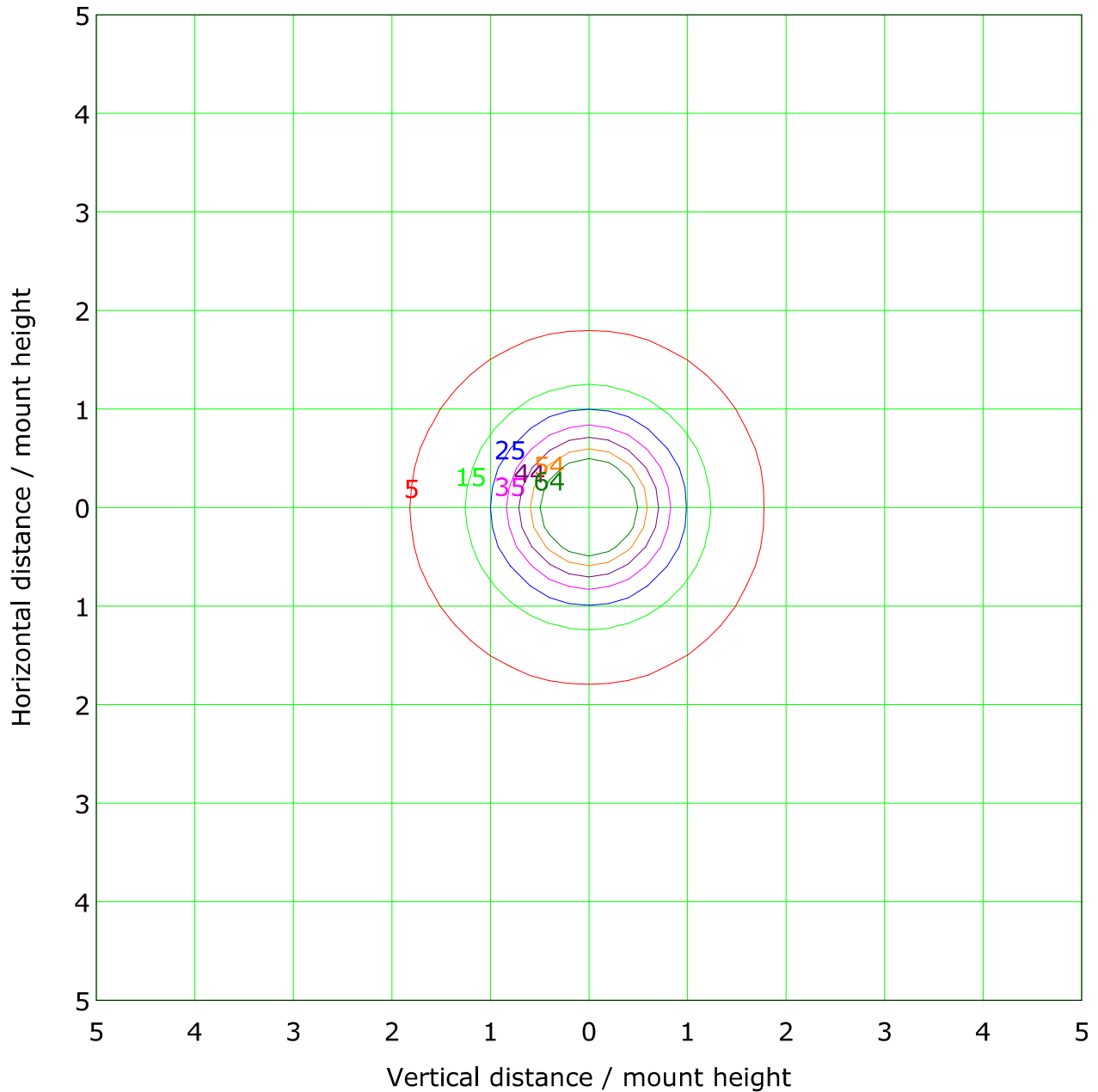
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 98.8 lx	
(5%): 4.9 lx	(15%): 14.8 lx
(25%): 24.7 lx	(35%): 34.6 lx
(45%): 44.4 lx	(55%): 54.3 lx
(65%): 64.2 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

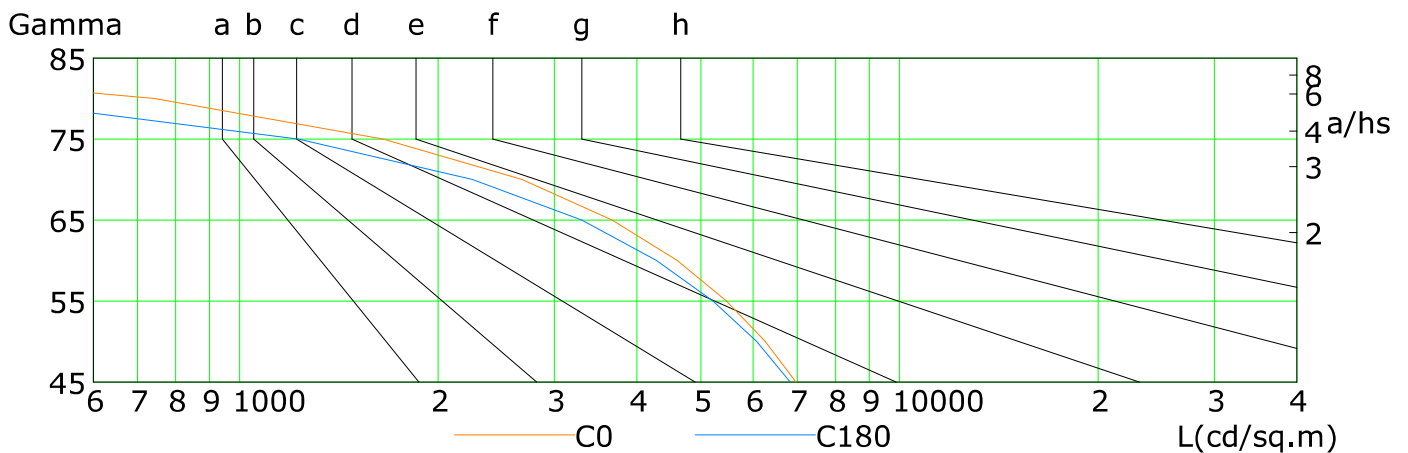
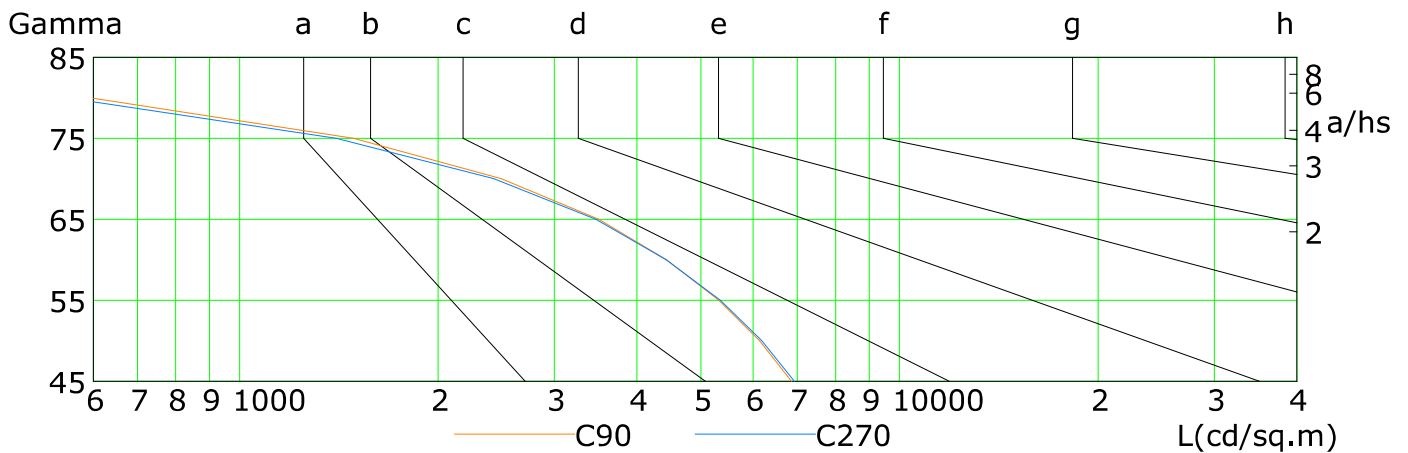
Humidity:

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	6967	6263	5466	4607	3671	2678	1651	742	157
C90	6864	6138	5323	4432	3501	2490	1489	592	96
C180	6833	6076	5220	4281	3303	2252	1228	401	44
C270	6931	6186	5353	4426	3466	2429	1402	545	83

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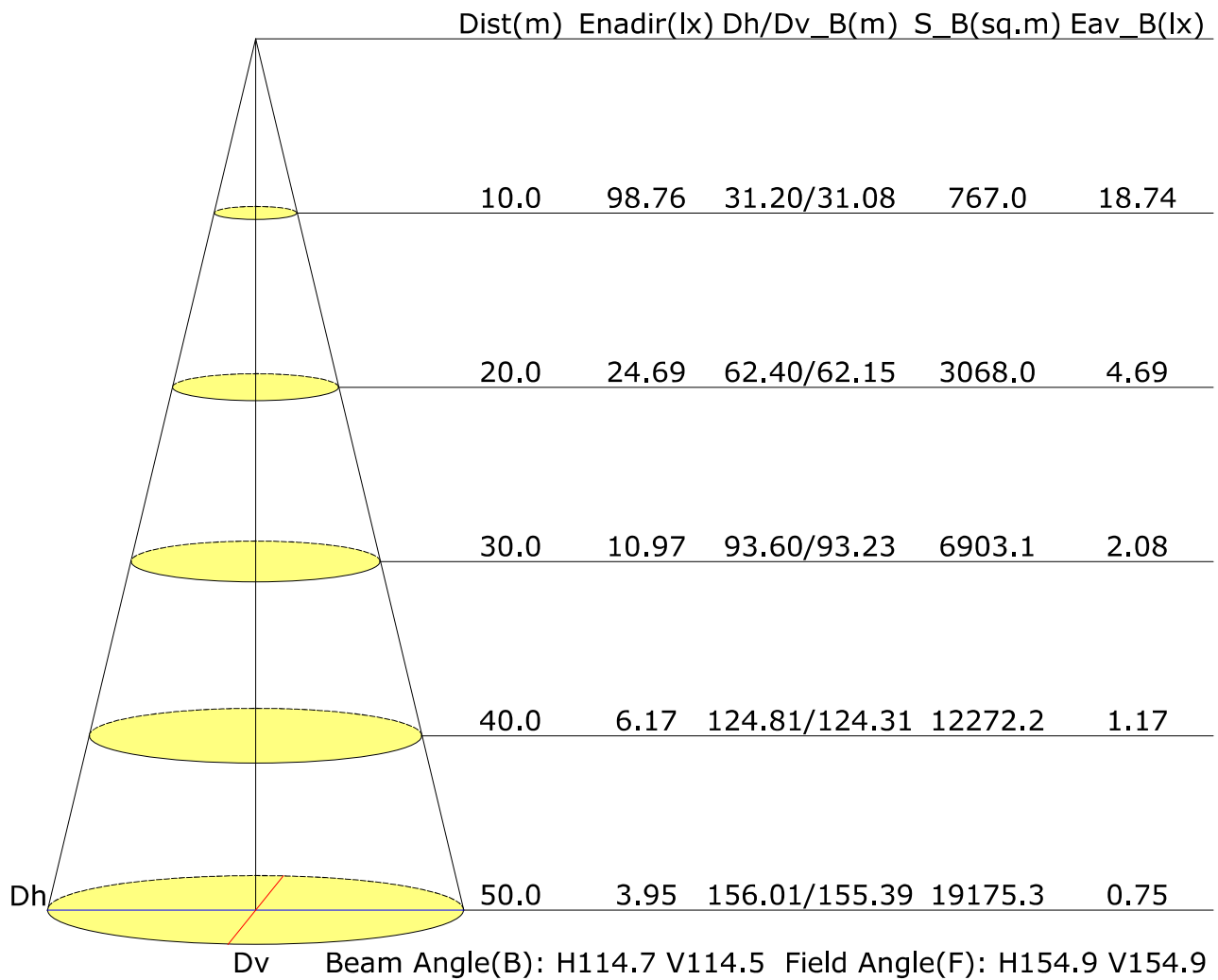
Test Device: LSG-1800B

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: