

Report No.: 1

Test Time: 16.03.2018 15:45

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 154LED 100W Cree 135-146 5000K 120 Degrees lense

Lamp Description: LED

Luminous Diameter (mm): 260

Luminous Height (mm): 185

Voltage: 231.4 V

Current: 0.439 A

Power: 100.04 W

Power Factor: 0.983

Photometric Results

CIE Class: Direct

Measurement Flux: 12385.5 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 12385.5 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 153.6, 153.7, 153.6, 153.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.8, 113.7, 113.4, 113.2

Luminaire Efficacy Rating (LER): 123.86

Central Intensity: 4421.76 cd

Max. Intensity: 4421.76 cd

Pos of Max. Intensity: H0 V0

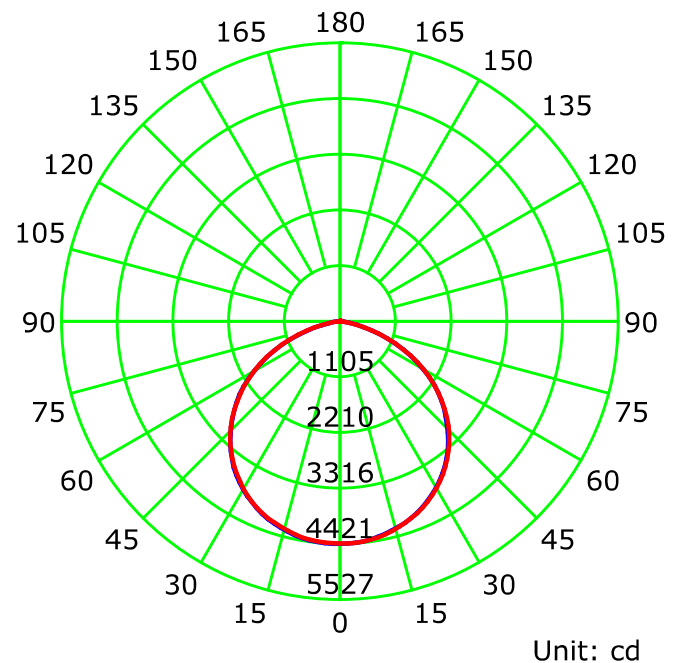
S/MH(C0/C180): 1.29

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

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

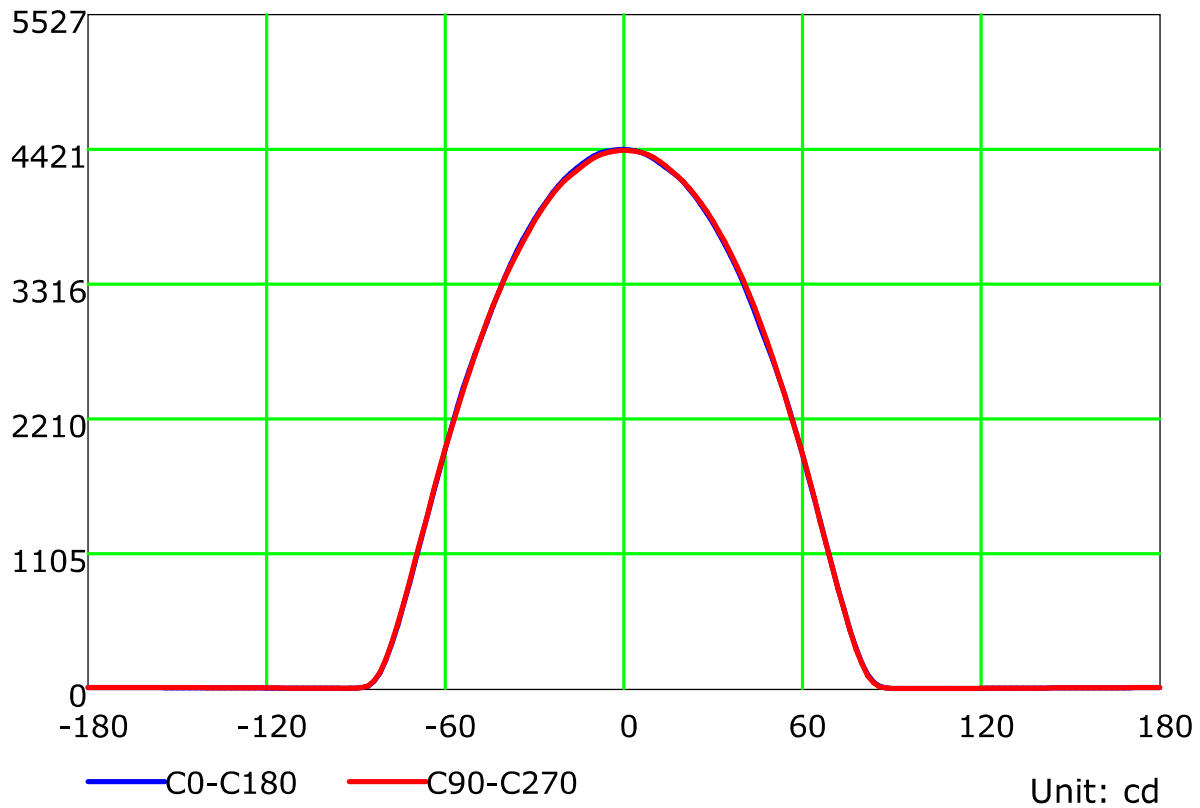
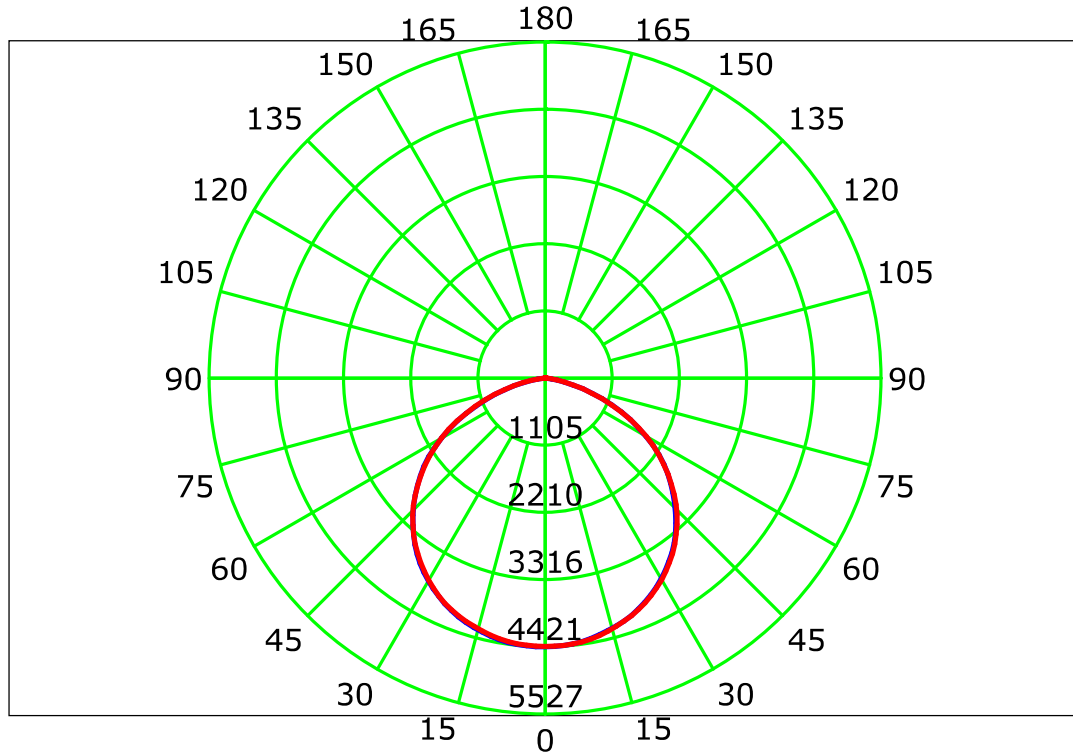
Test Device: LSG-1800B

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

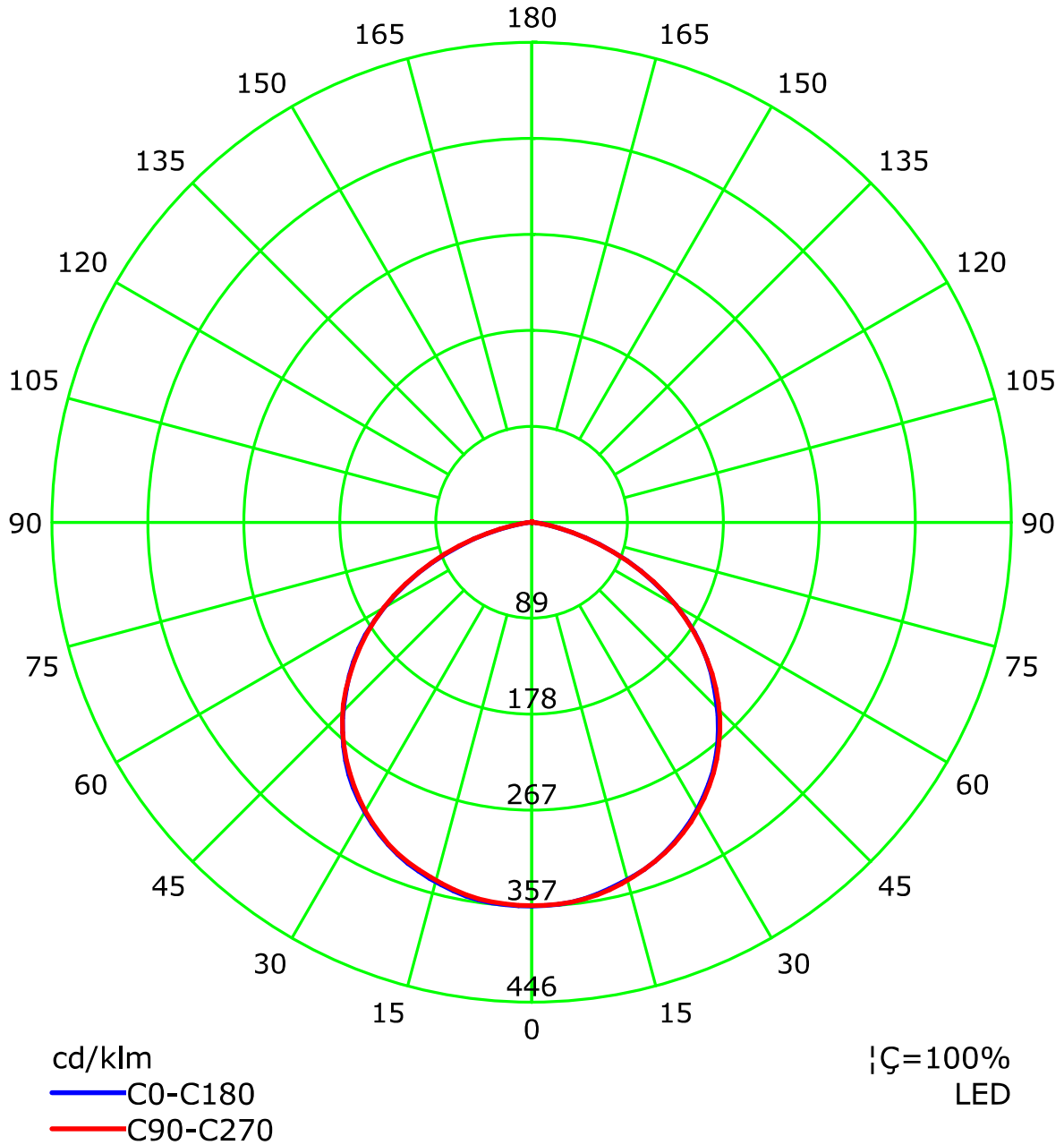
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

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Temperature:

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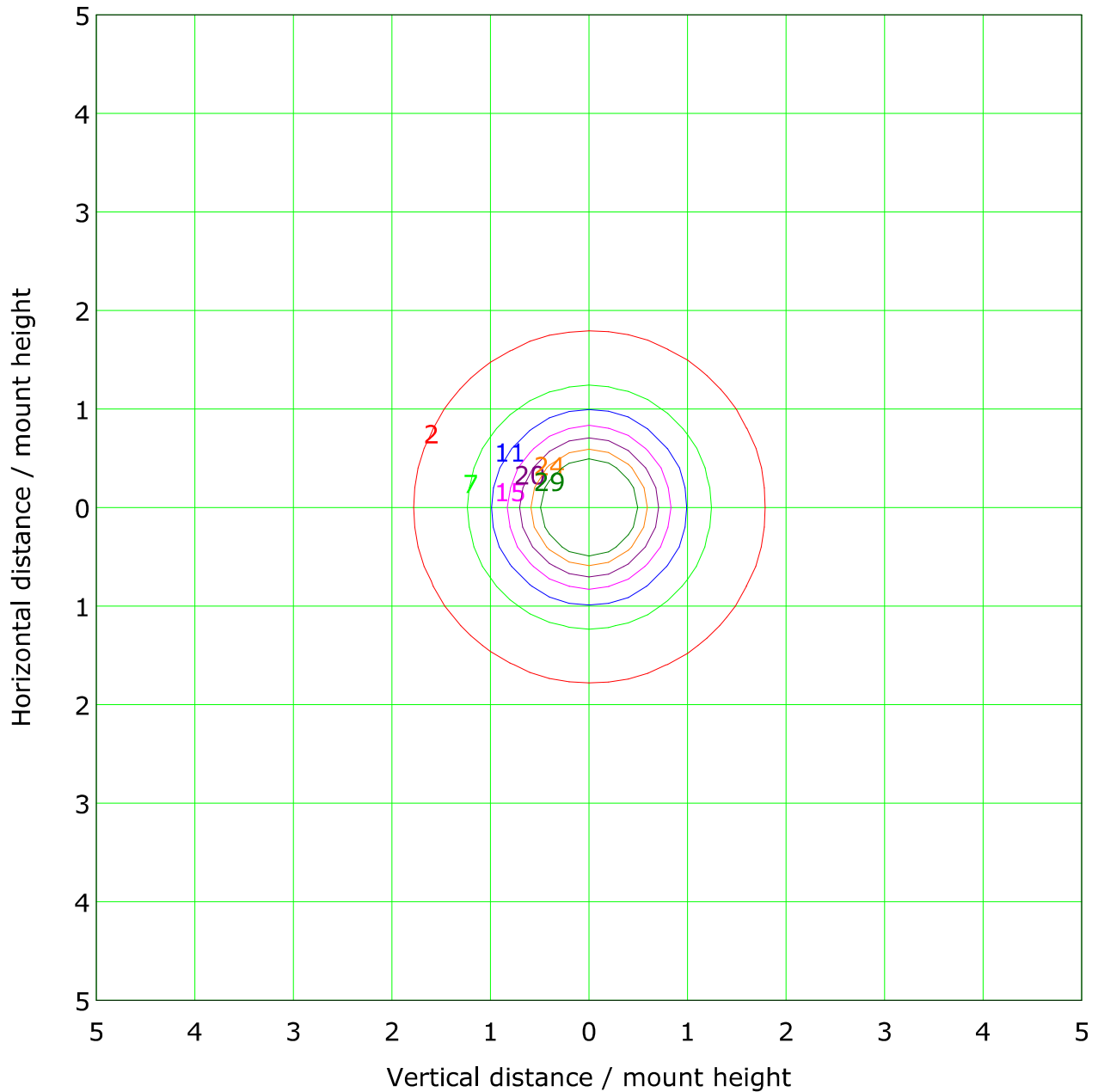
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 44.2 lx	
(5%): 2.2 lx	(15%): 6.6 lx
(25%): 11.1 lx	(35%): 15.5 lx
(45%): 19.9 lx	(55%): 24.3 lx
(65%): 28.7 lx	

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Test Lab:

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Temperature:

Operator:

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Test Device: LSG-1800B

Distance: 12.654 m

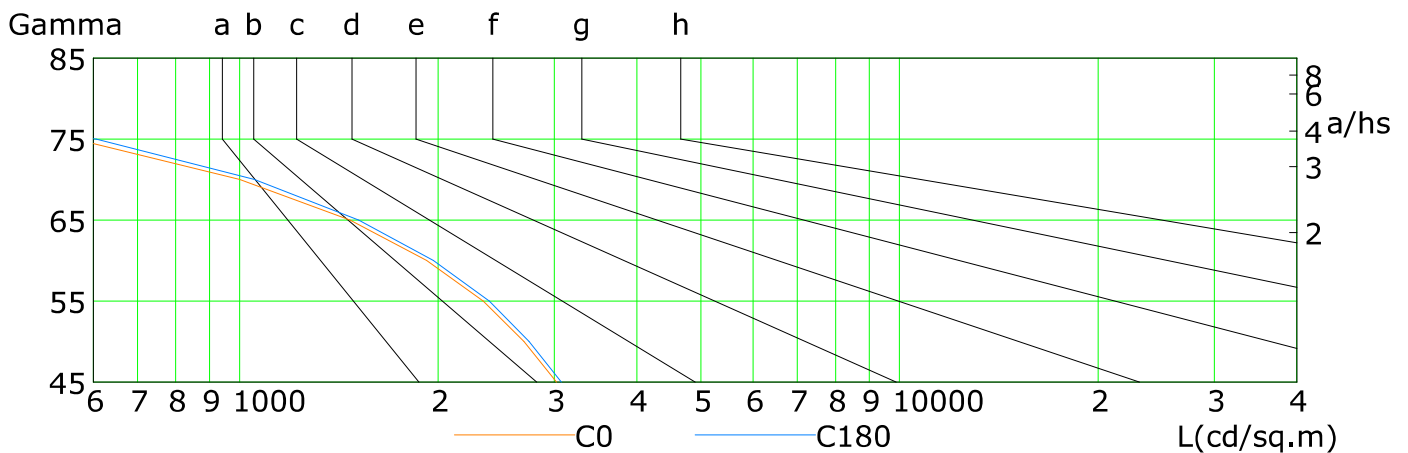
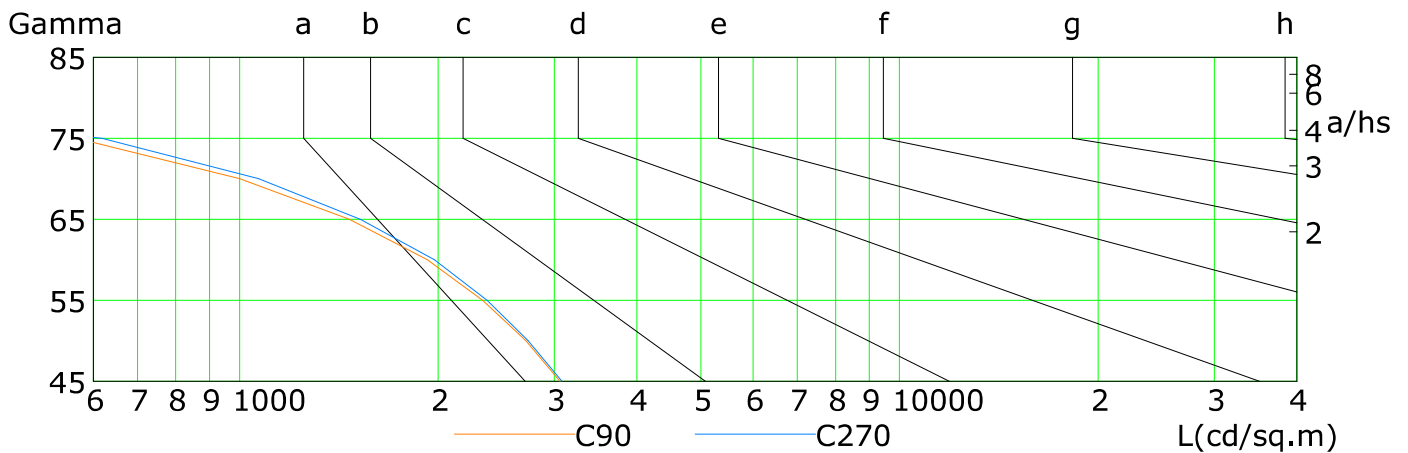
Humidity:

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	3023	2697	2339	1920	1470	1000	565	206	36
C90	3059	2714	2334	1925	1468	1000	566	204	30
C180	3073	2745	2390	1965	1516	1053	607	232	39
C270	3081	2737	2370	1972	1524	1068	619	237	42

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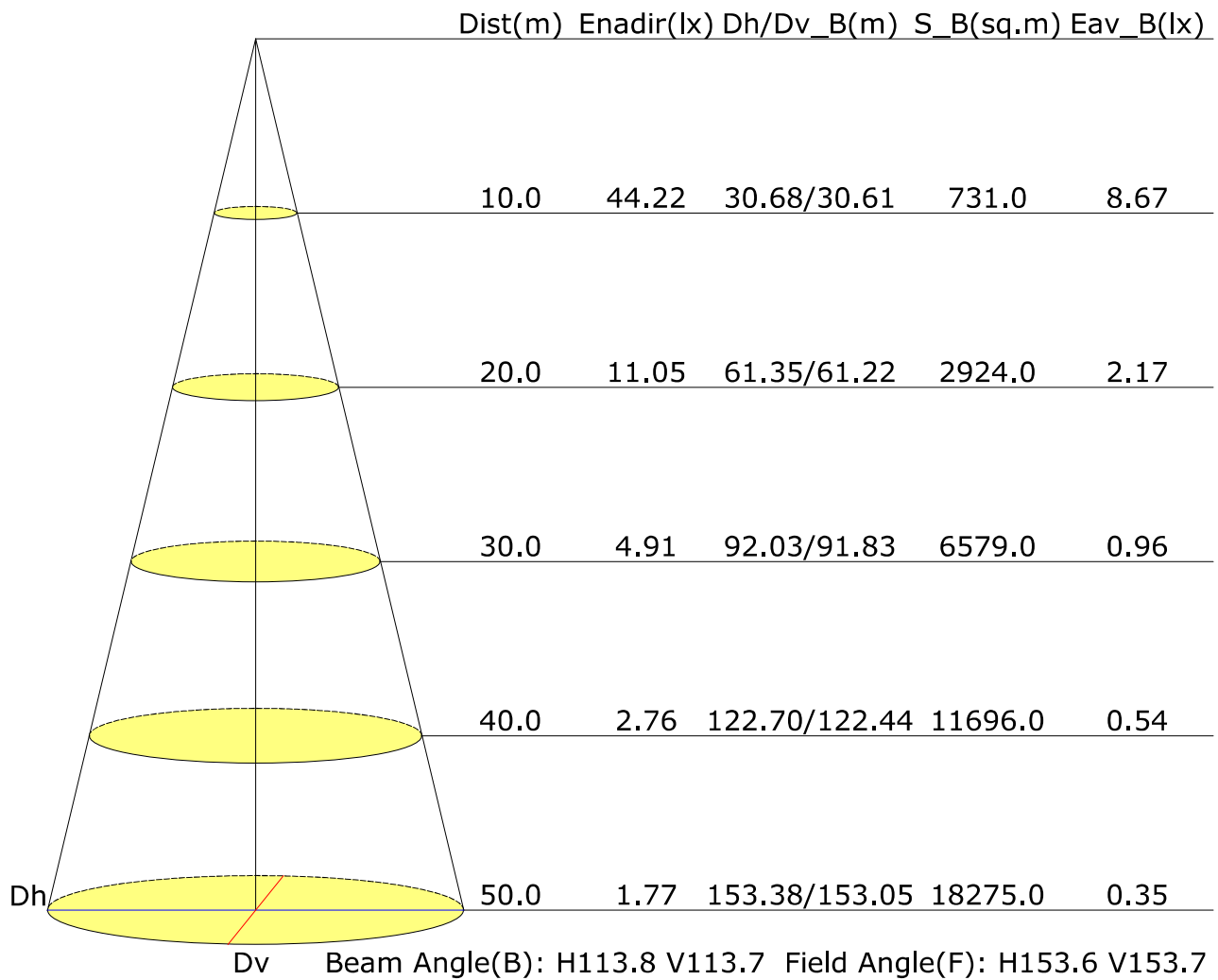
Test Device: LSG-1800B

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: