

Report No.: 1

Test Time: 26.03.2019 12:51

Luminaire Property

Luminaire Manufacturer: FAROS
Luminaire Description: FD 111 160W
Luminous Diameter (mm): 325
Luminous Height (mm): 204
Current: 0.741 A
Power Factor: 0.972

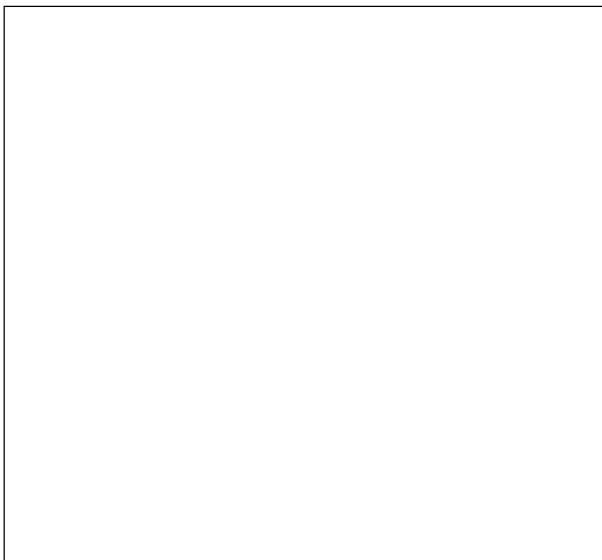
Lamp Description: LED
Voltage: 220.6 V
Power: 160.12 W

Photometric Results

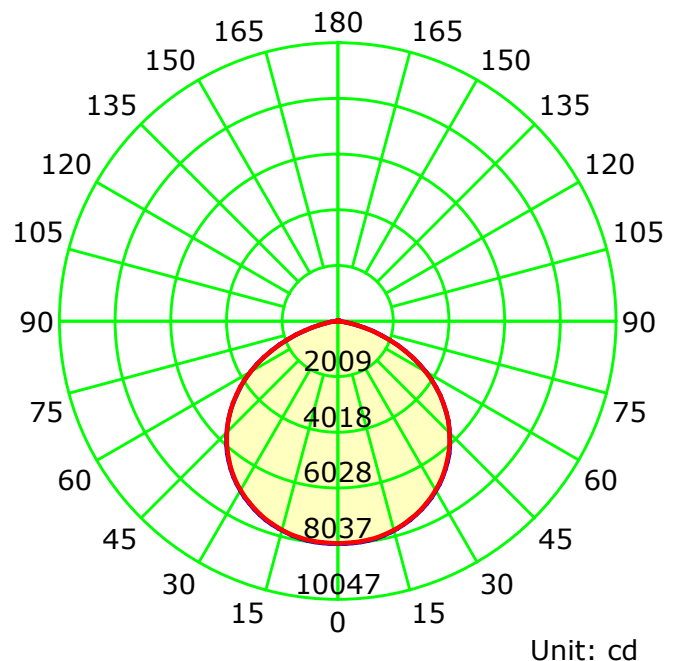
CIE Class: Direct
Measurement Flux: 23227.4 lm
Downward Ratio: 99%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.6, 154.7, 154.6, 154.6
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.3, 115.4, 115.3, 115.3
Luminaire Efficacy Rating (LER): 145.11
Max. Intensity: 8037.78 cd
S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 23227.4 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 8037.78 cd
Pos of Max. Intensity: H0 V0
S/MH(C90/C270): 1.30

Picture Of Luminaire



Luminous Intensity Distribution Curve

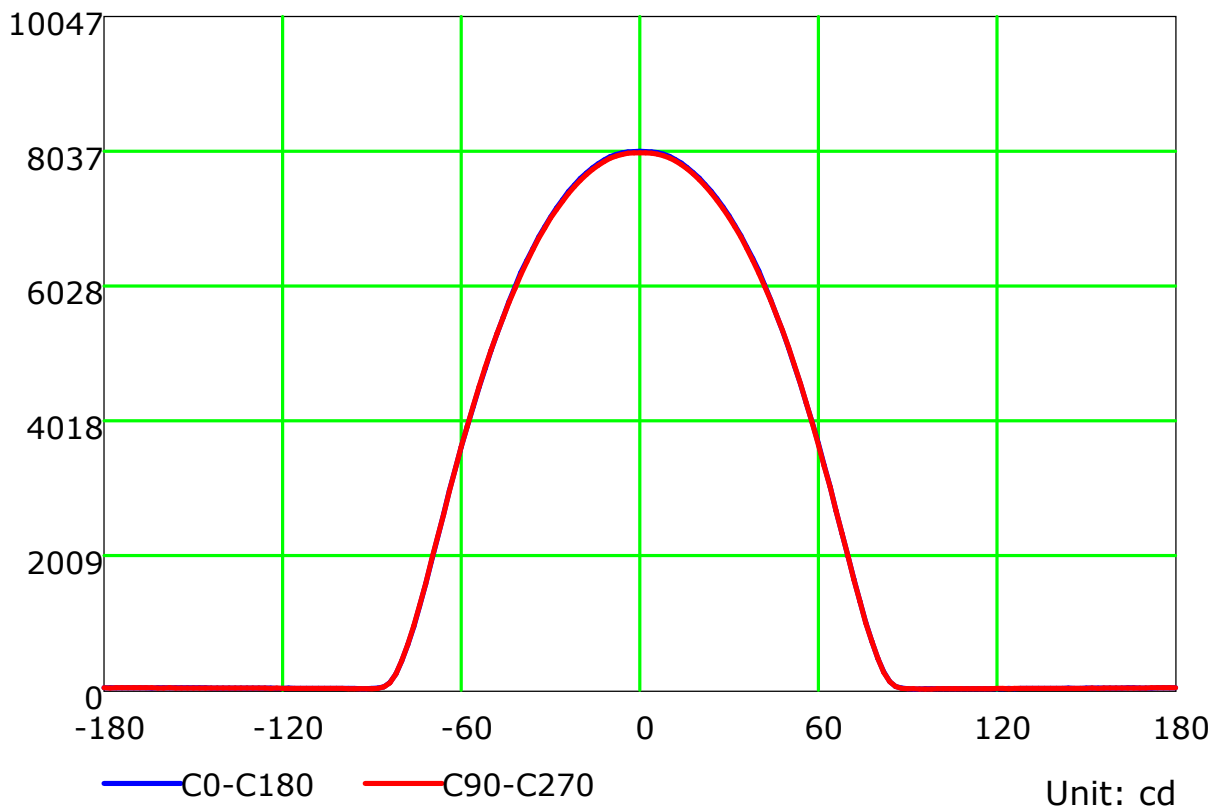
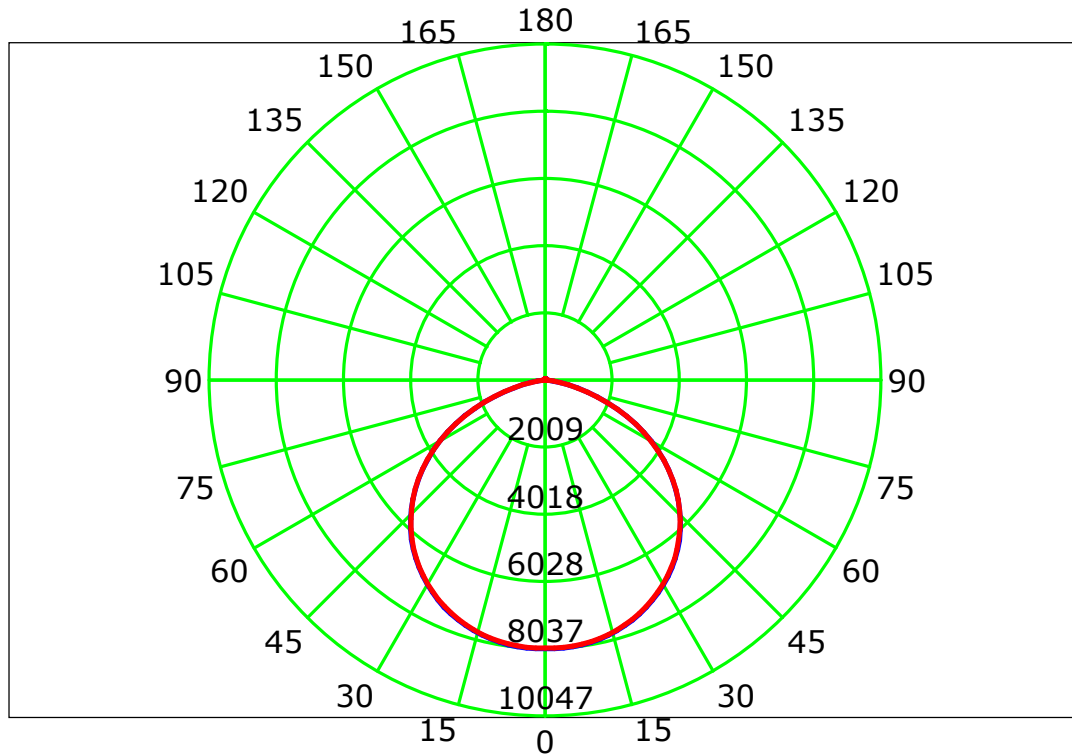


— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0
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: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

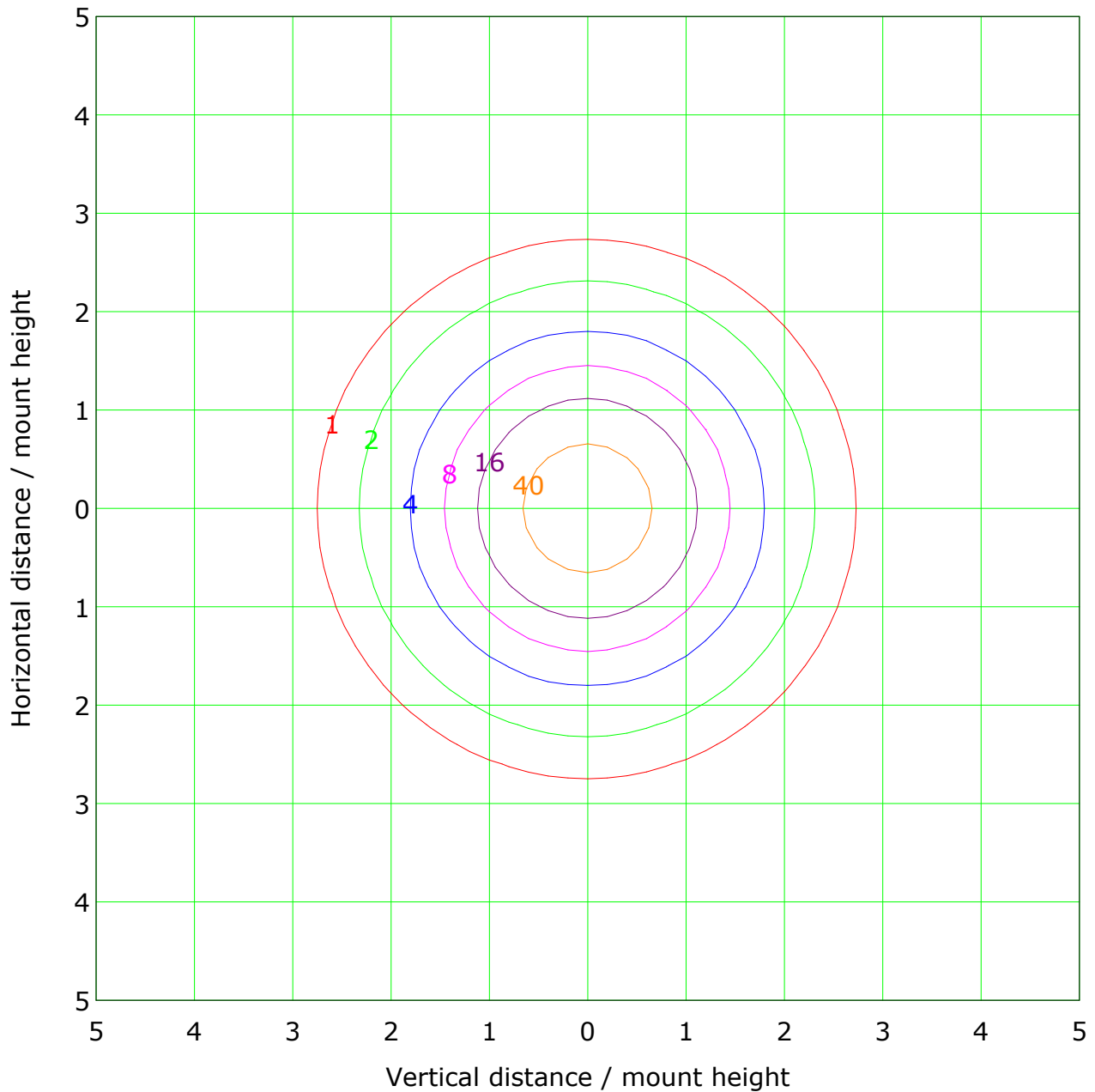
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 80.4 lx

(1%): 0.8 lx	(2%): 1.6 lx
(5%): 4.0 lx	(10%): 8.0 lx
(20%): 16.1 lx	(50%): 40.2 lx
(100%): 80.4 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

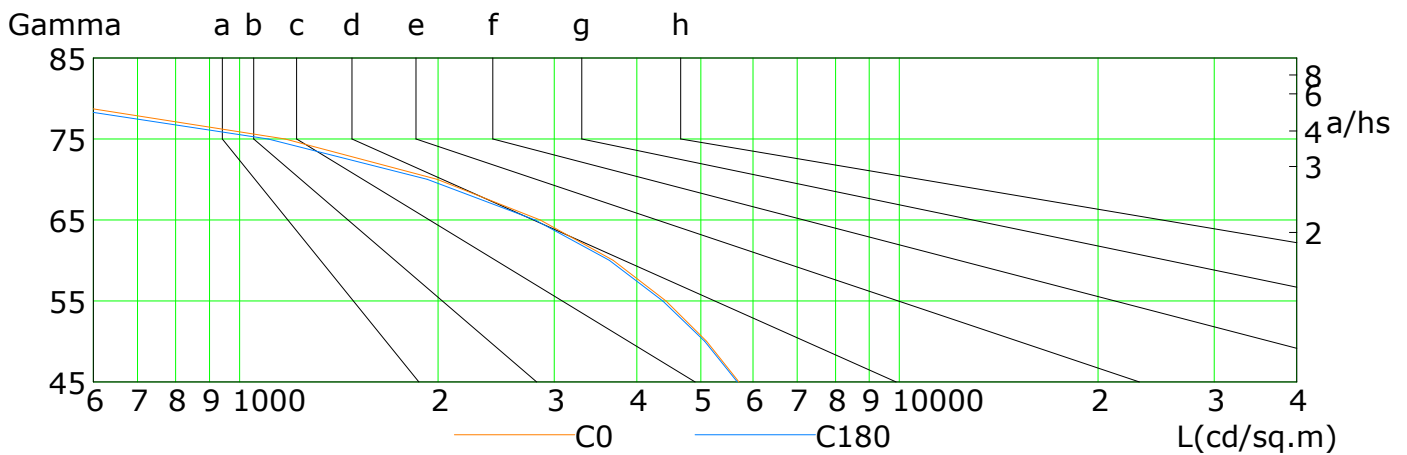
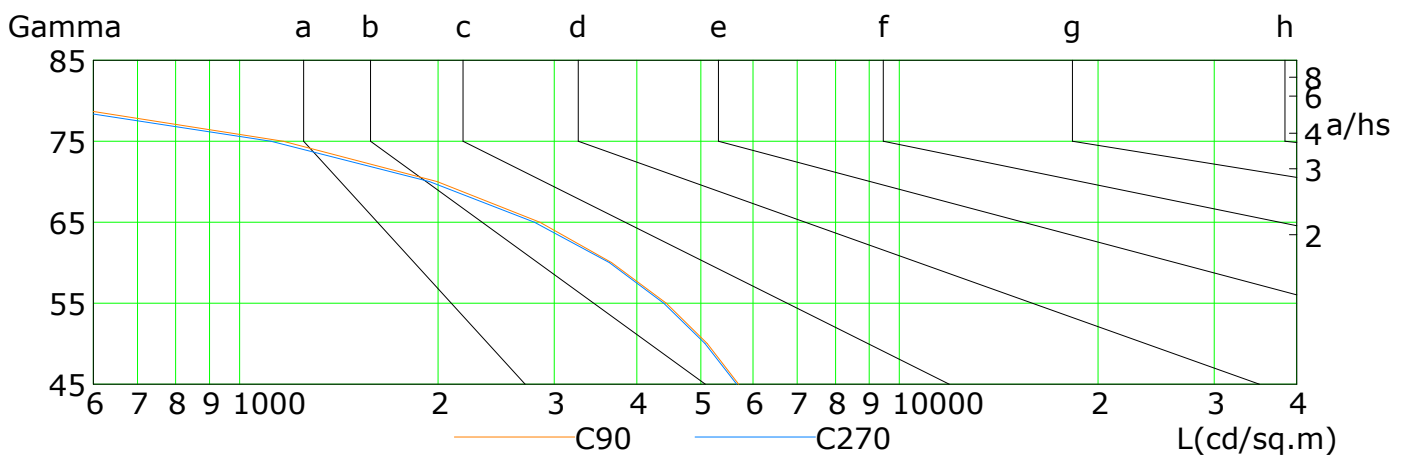
Humidity:

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	5712	5106	4427	3683	2856	1992	1171	476	97
C90	5704	5112	4433	3662	2852	1993	1165	474	94
C180	5681	5067	4378	3632	2804	1925	1104	434	86
C270	5669	5073	4391	3632	2798	1940	1116	443	83

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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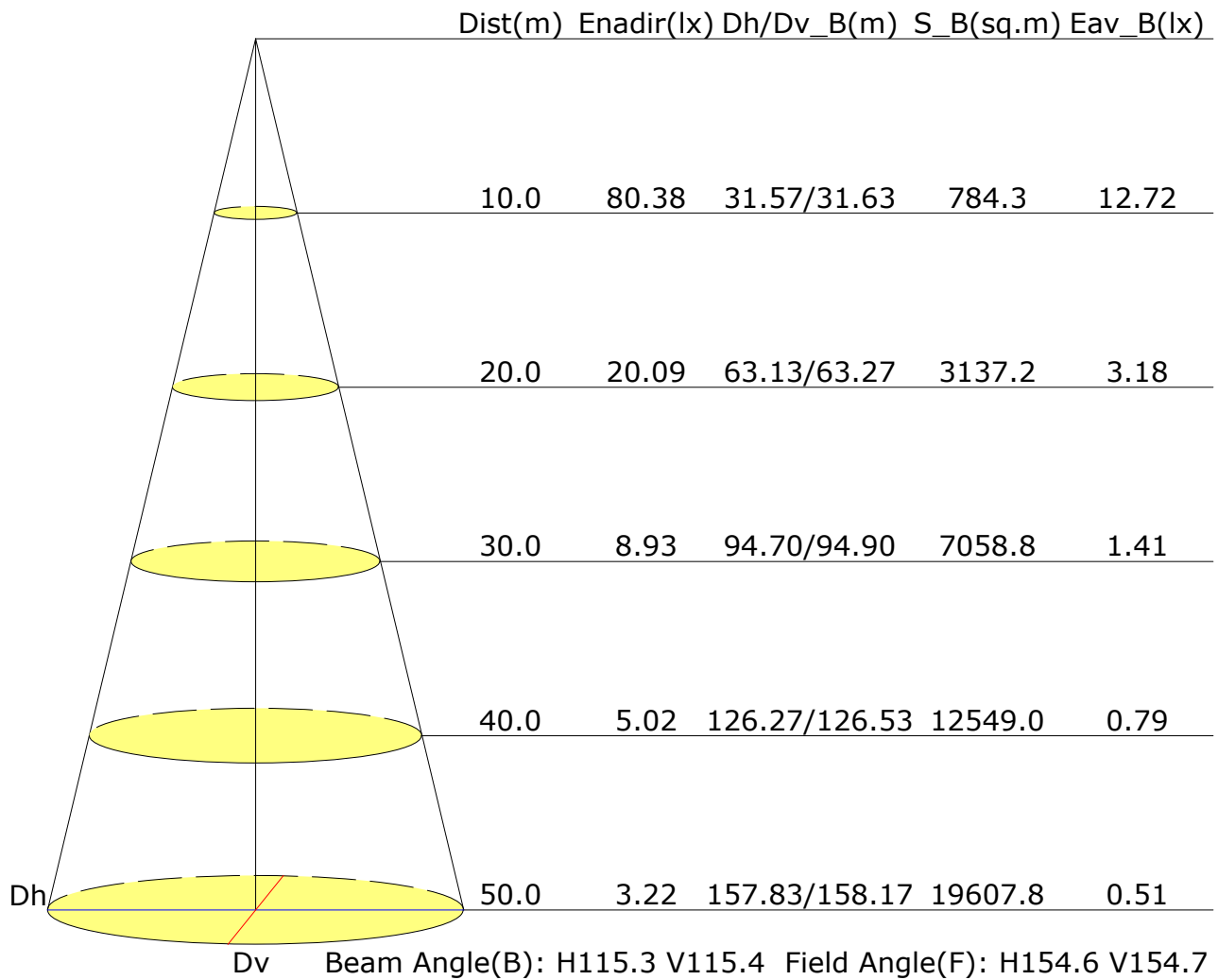
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0

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: