

Report No.: 20

Test Time: 11.05.2018 17:39

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 3x40LED 0,32A 32W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 231.9 V

Power: 30.59 W

Luminous Length (mm): 1500

Luminous Height (mm): 64

Current: 0.135 A

Power Factor: 0.970

Photometric Results

CIE Class: Direct

Measurement Flux: 4044.6 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.6, 159.9, 149.8, 149.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 80.8, 84.7, 78.6, 78.8

Luminaire Efficacy Rating (LER): 132.27

Max. Intensity: 2001.99 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 4044.6 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1997.79 cd

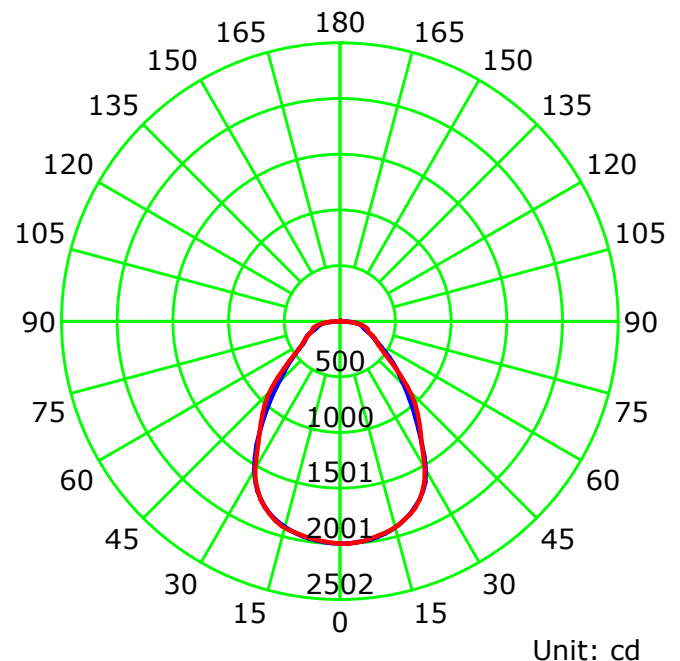
Pos of Max. Intensity: H135 V0

S/MH(C90/C270): 1.15

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

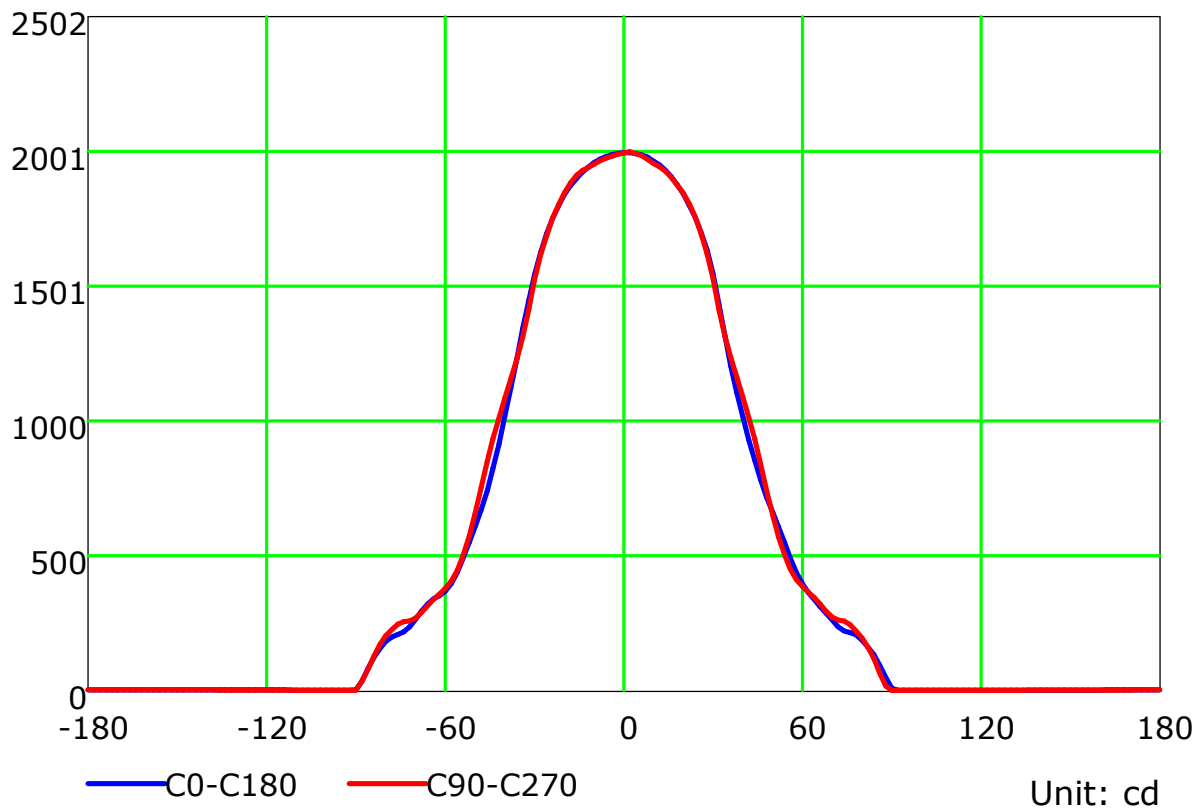
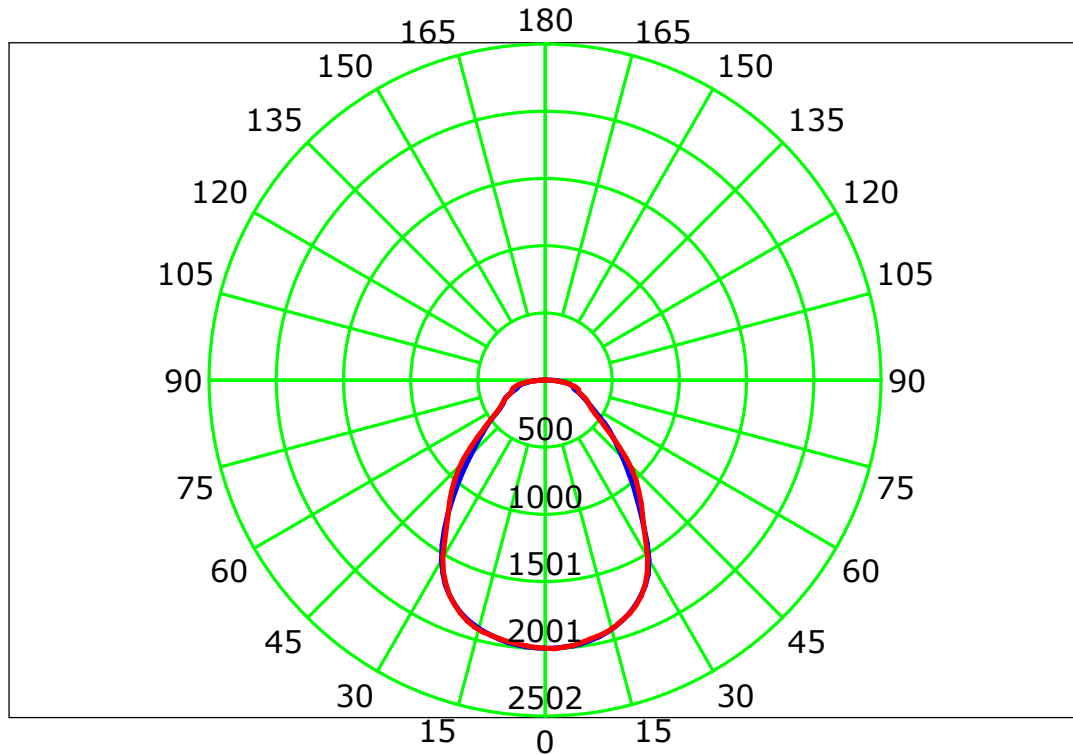
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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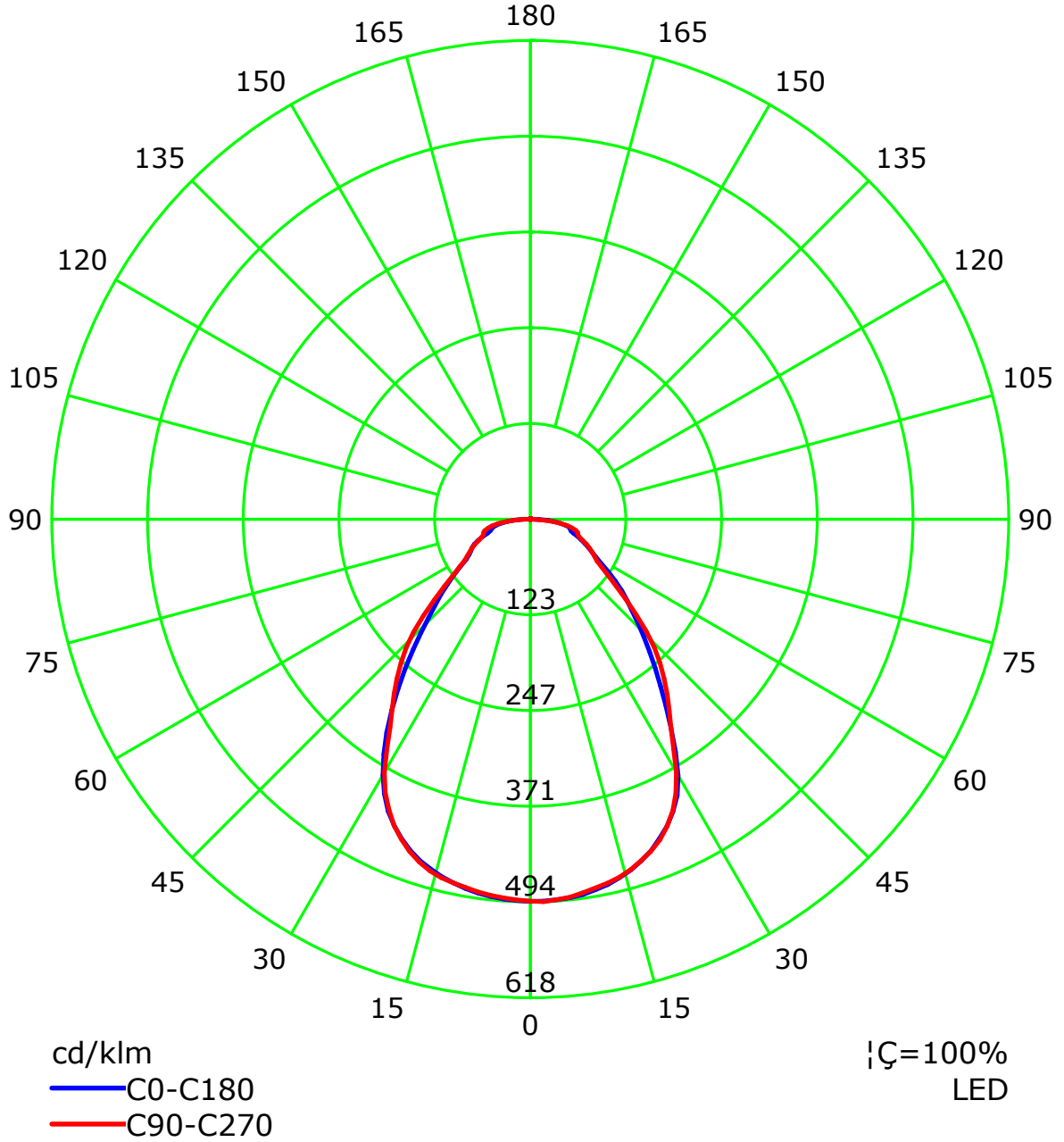
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

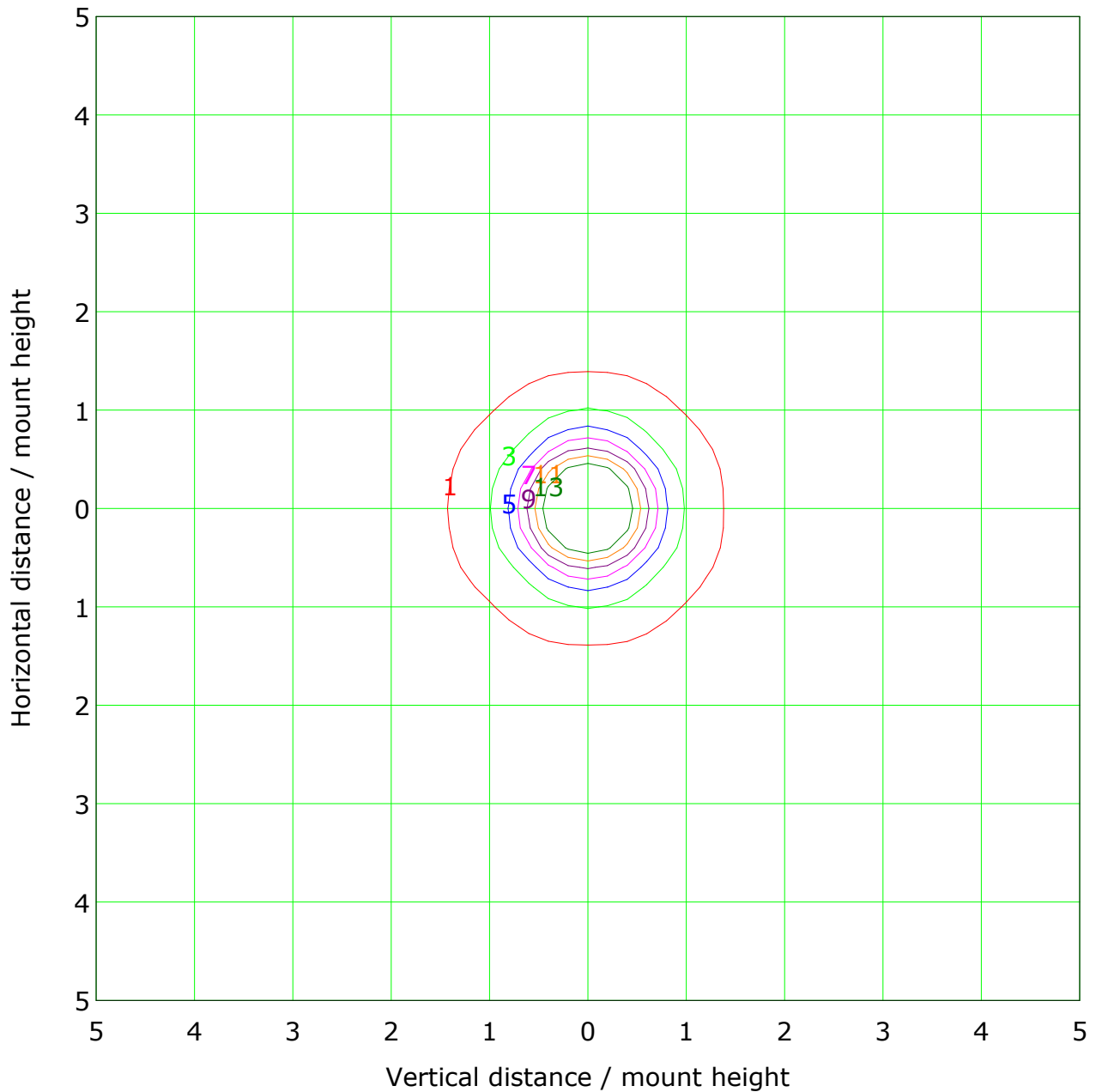
Luminous Intensity Distribution Curve(cd/klm)



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Distance: 12.654 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 20.0 lx

(5%): 1.0 lx	(15%): 3.0 lx
(25%): 5.0 lx	(35%): 7.0 lx
(45%): 9.0 lx	(55%): 11.0 lx
(65%): 13.0 lx	

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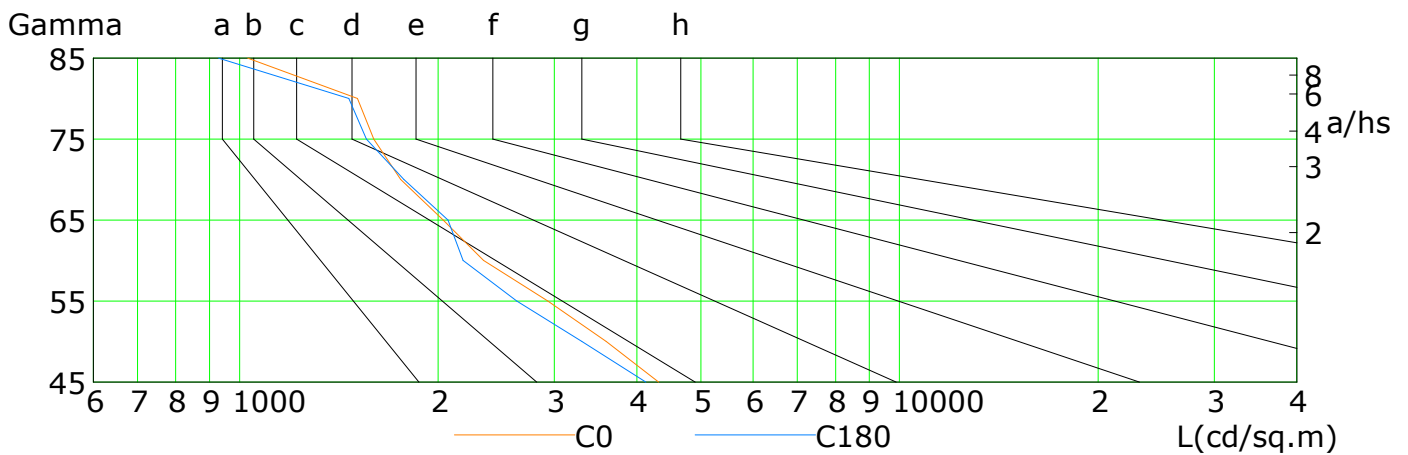
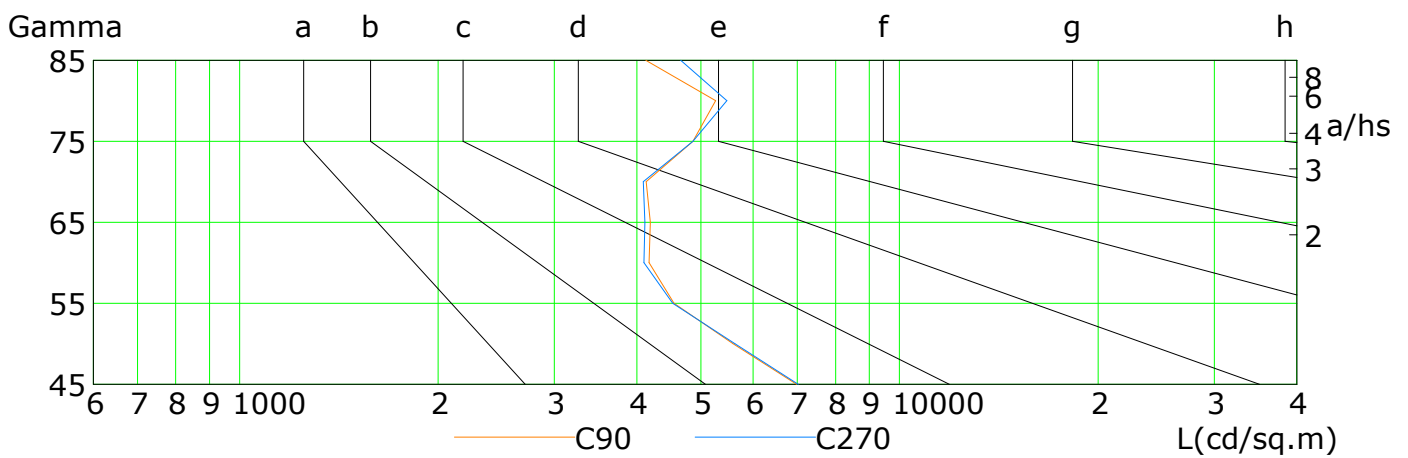
Humidity:

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	4315	3593	2931	2342	2034	1753	1596	1508	1029
C90	6982	5595	4551	4172	4192	4133	4865	5262	4128
C180	4126	3300	2630	2181	2070	1774	1556	1464	929
C270	7023	5632	4535	4099	4114	4090	4863	5474	4661

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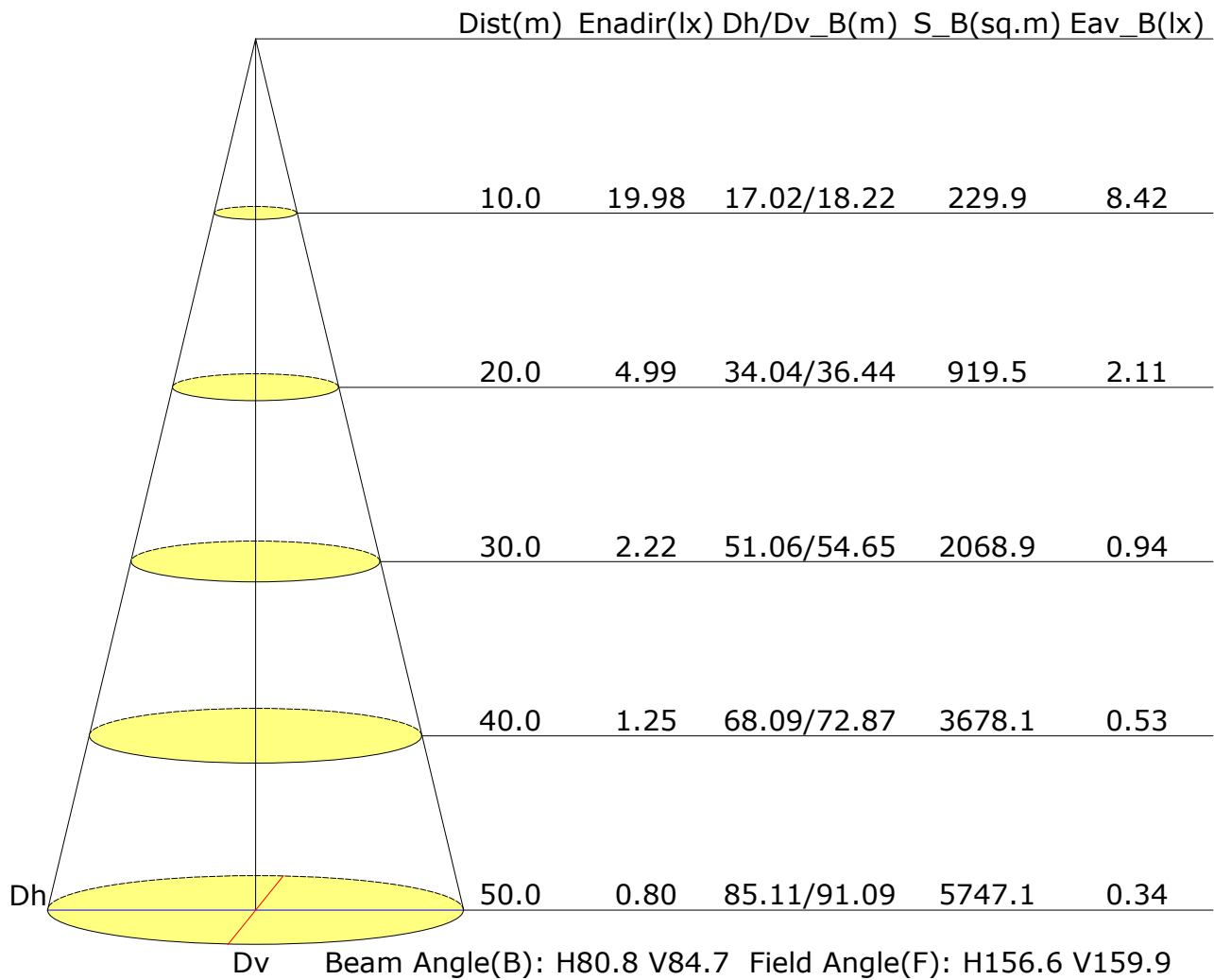
Test Device: LSG-1800B

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: