

Report No.: 1

Test Time: 04.05.2018 14:00

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 595 24LED 0,3A 32W Refond 32-34,5Lm 5000K microprism

Lamp Description: LED

Luminous Width (mm): 35

Voltage: 232.2 V

Power: 31.20 W

Luminous Length (mm): 595

Luminous Height (mm): 595

Current: 0.137 A

Power Factor: 0.980

Photometric Results

CIE Class: Direct

Measurement Flux: 4113.8 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.8, 163.1, 155.3, 154.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 80.4, 82.5, 79.2, 78.8

Luminaire Efficacy Rating (LER): 131.90

Max. Intensity: 2002.22 cd

S/MH(C0/C180): 1.14

Total Rated Lamp Lumens: 4113.8 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2000.59 cd

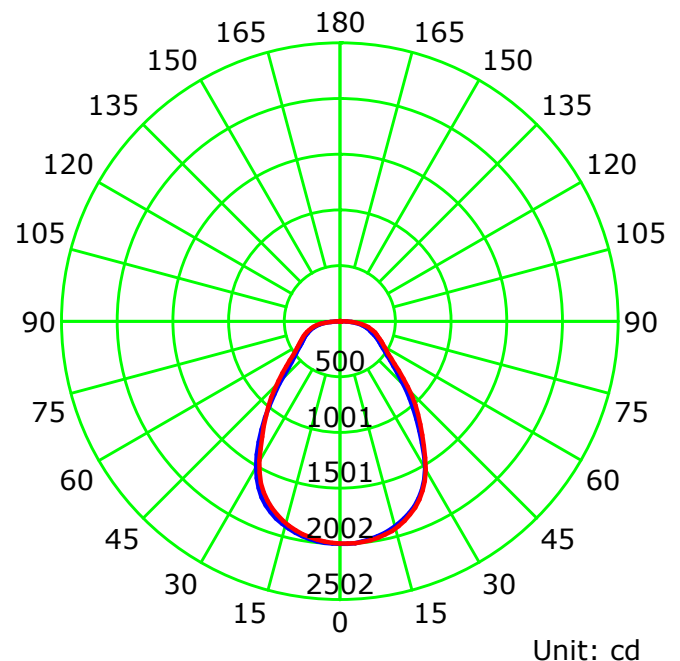
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 1.13

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

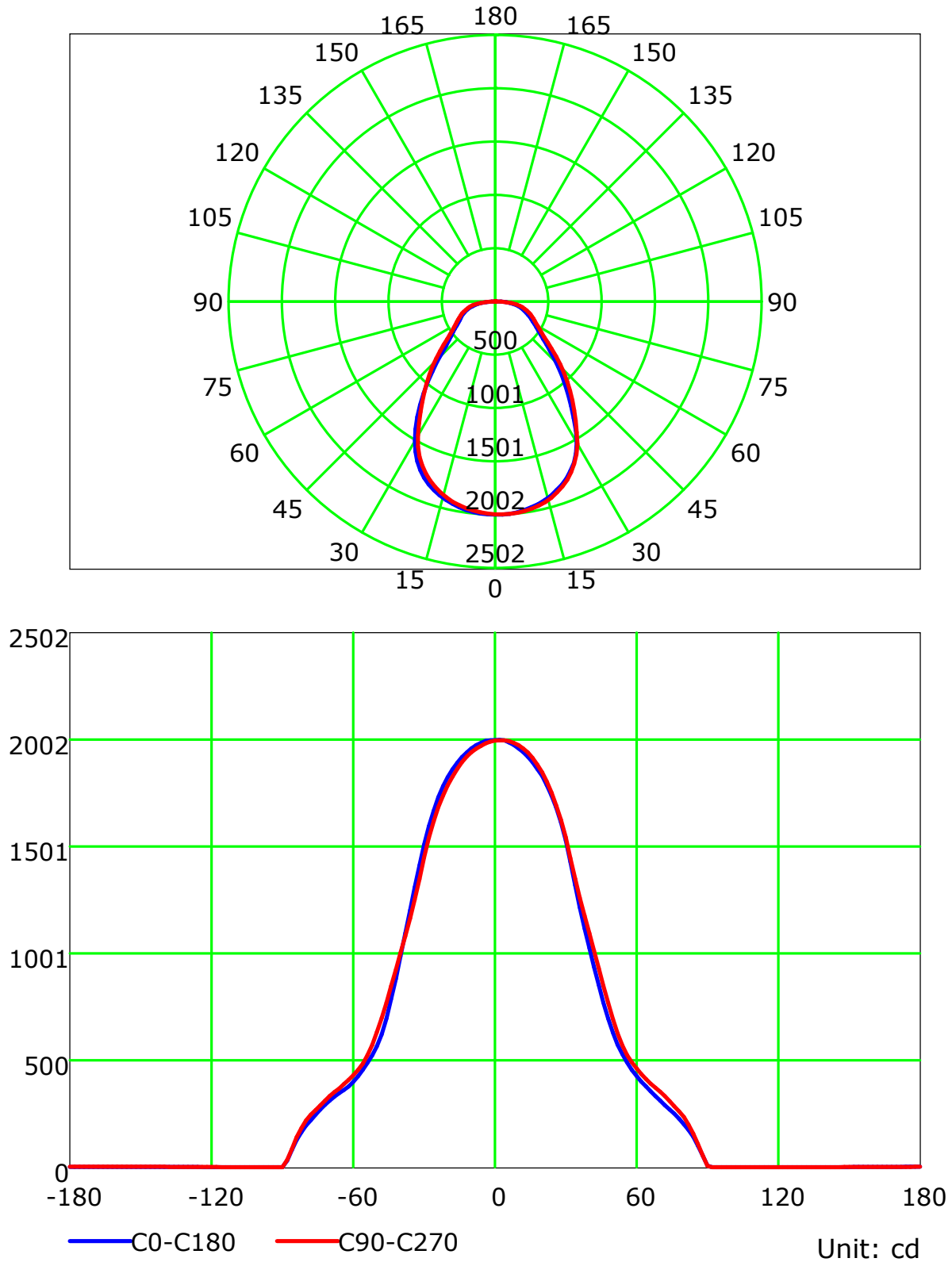
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

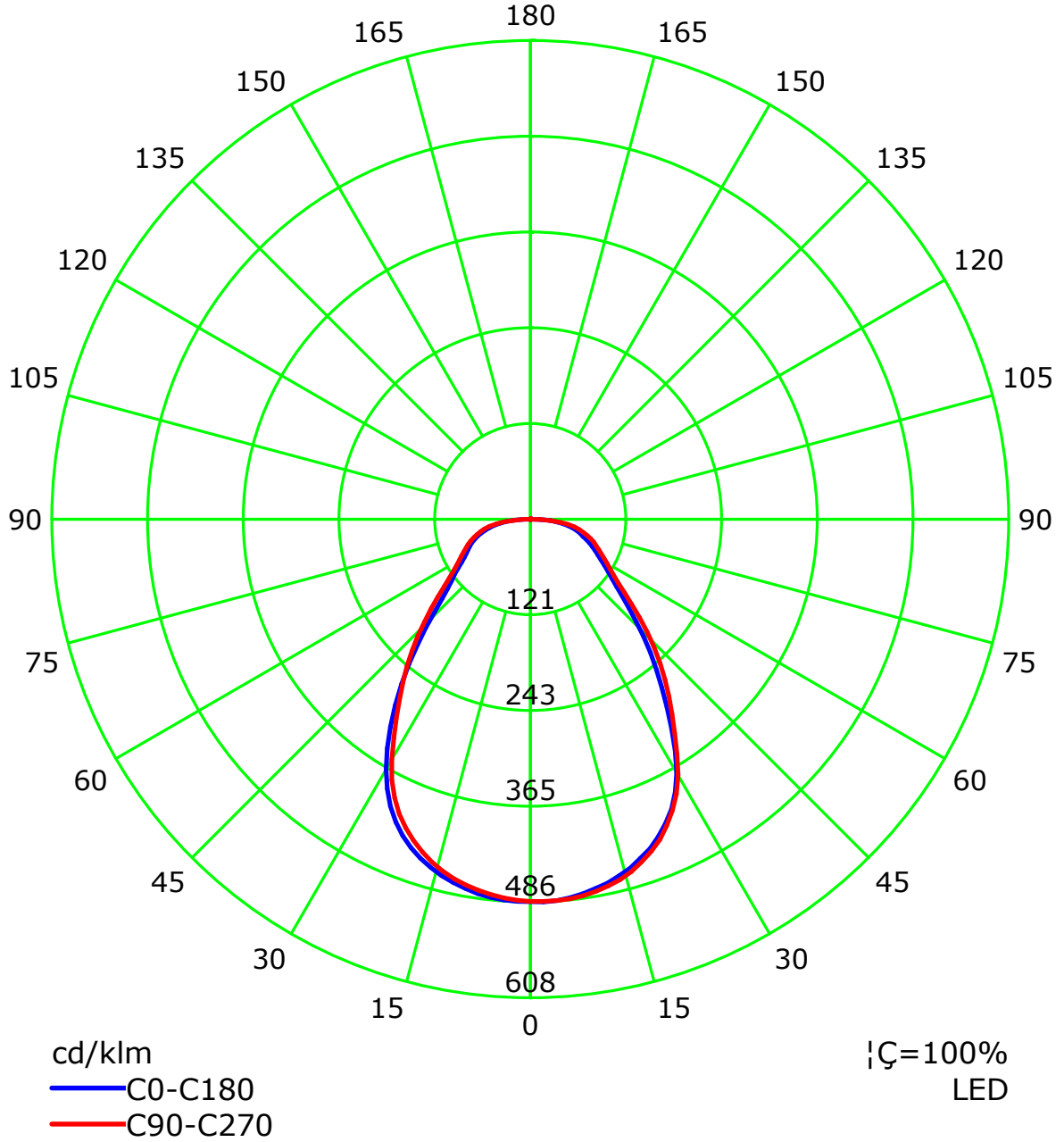
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

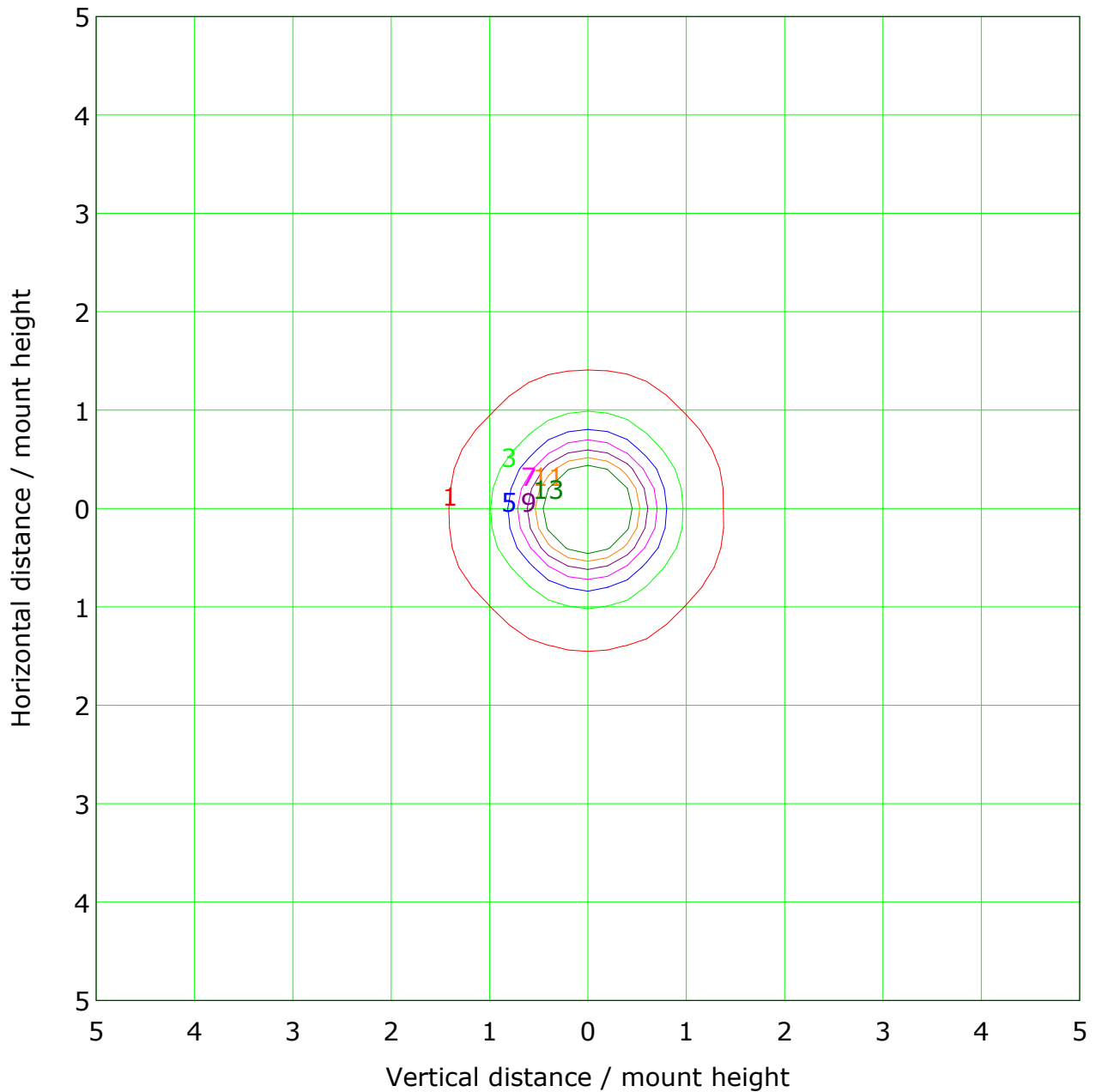
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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Test Device: LSG-1800B

Distance: 12.654 m

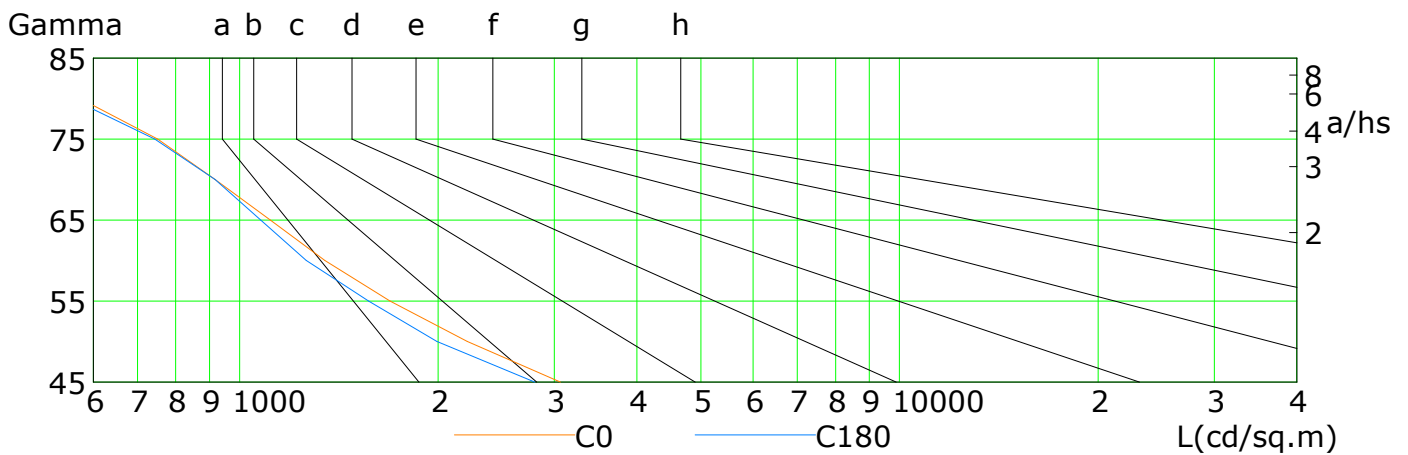
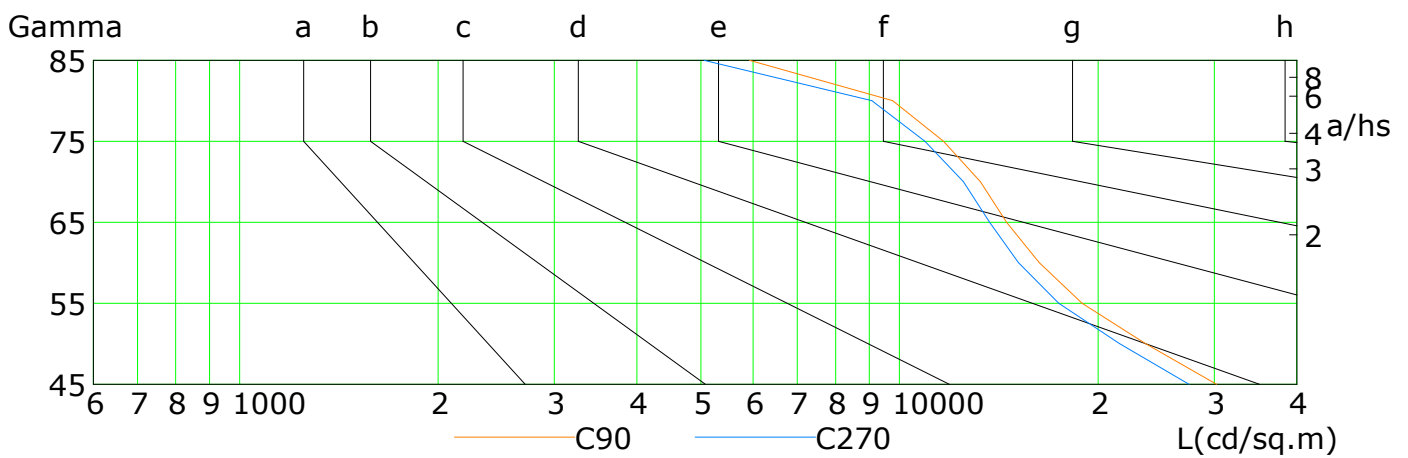
Humidity:

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	3063	2213	1691	1347	1113	918	751	574	346
C90	30251	23596	18912	16279	14538	13254	11667	9764	5930
C180	2801	1990	1568	1262	1077	917	744	555	297
C270	27477	21565	17426	15152	13700	12500	10936	9082	5057

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Temperature:

Operator:

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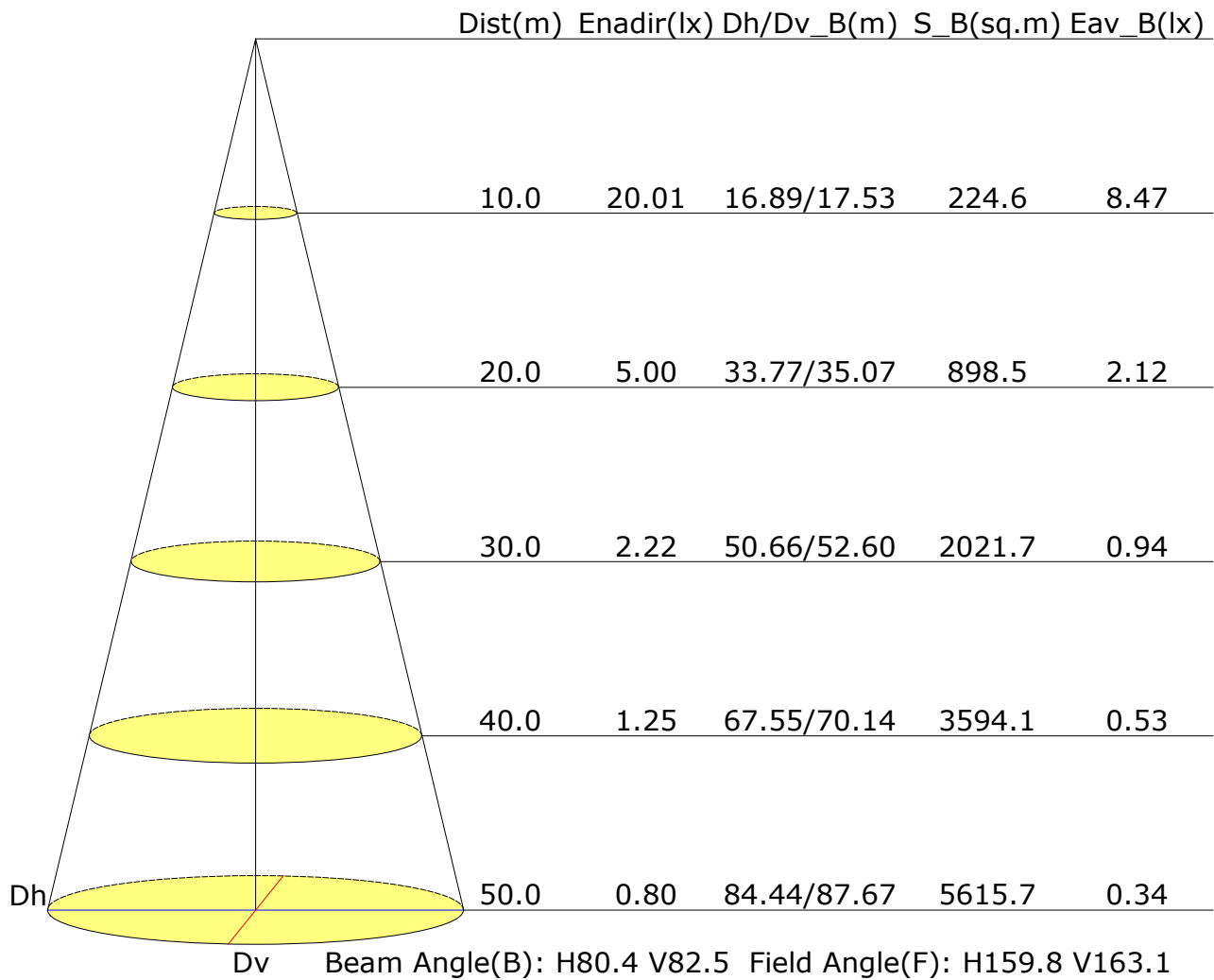
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 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: