

Report No.: 1

Test Time: 26.04.2018 12:13

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 4x25LED 40W 0,3A Refond 140-150Lm 5000K

Lamp Description: LED

Luminous Width (mm): 55

Voltage: 231.6 V

Power: 40.43 W

Luminous Length (mm): 945

Luminous Height (mm): 90

Current: 0.176 A

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Measurement Flux: 5236.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.3, 120.3, 133.9, 135.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 118.6, 110.9, 120.2, 120.1

Luminaire Efficacy Rating (LER): 129.57

Max. Intensity: 1942.97 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 5236.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1941.4 cd

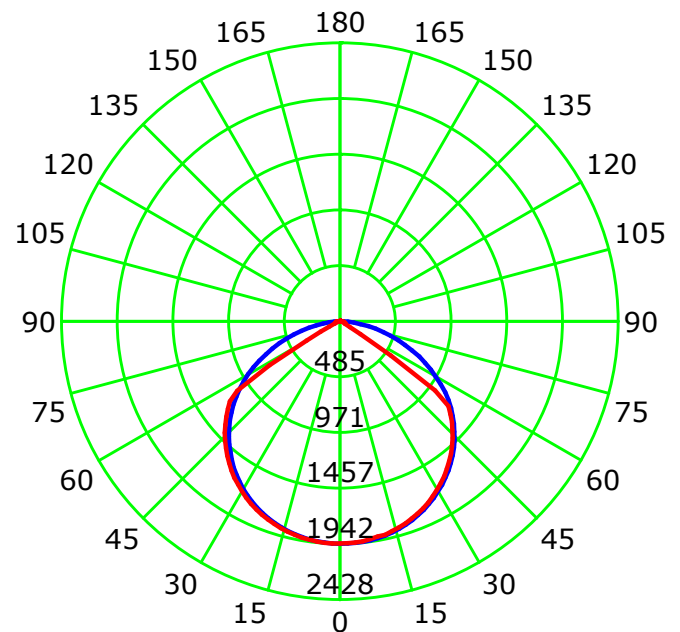
Pos of Max. Intensity: H22.5 V0

S/MH(C90/C270): 1.31

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— 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

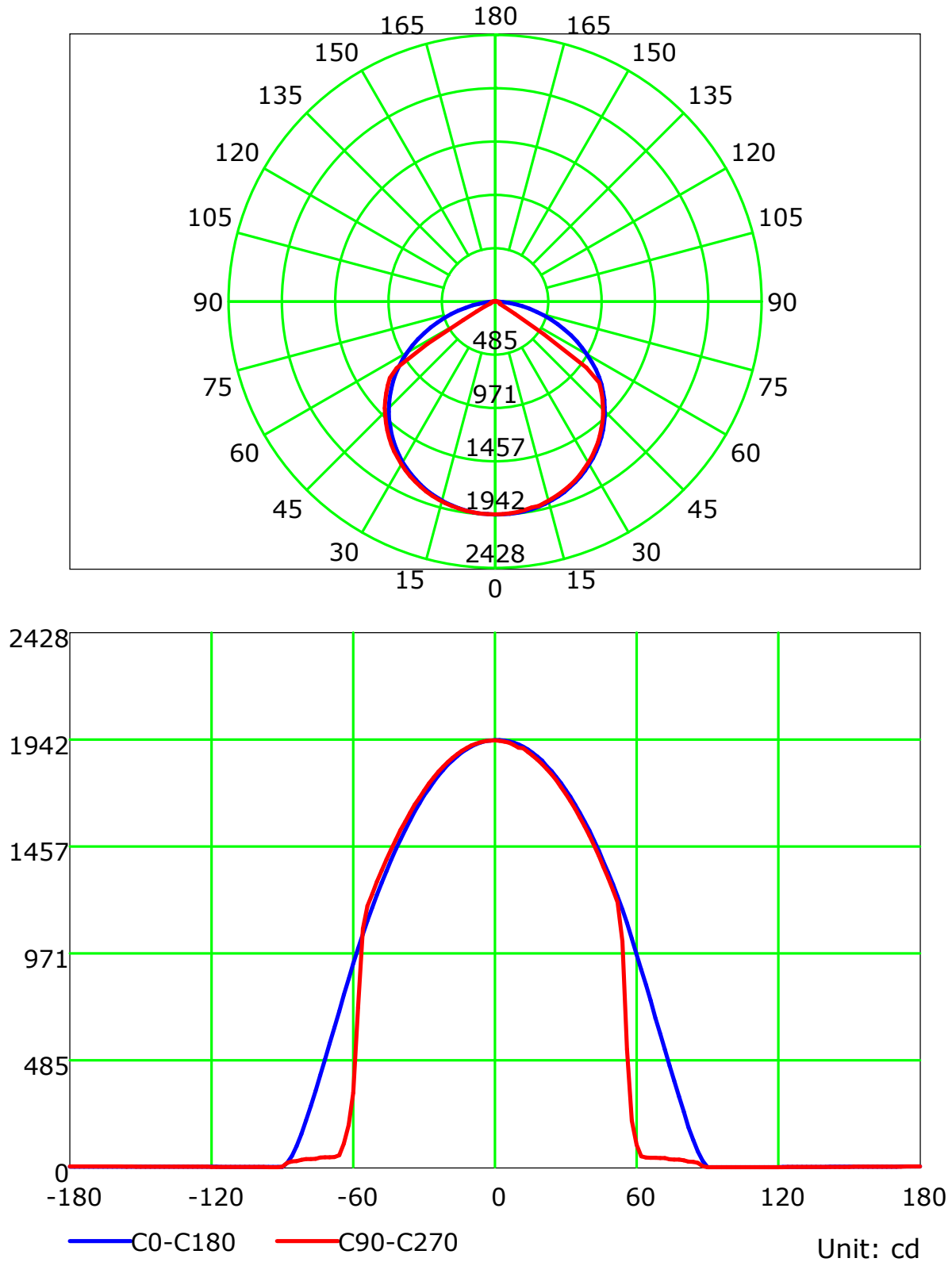
Test Device: LSG-1800B

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

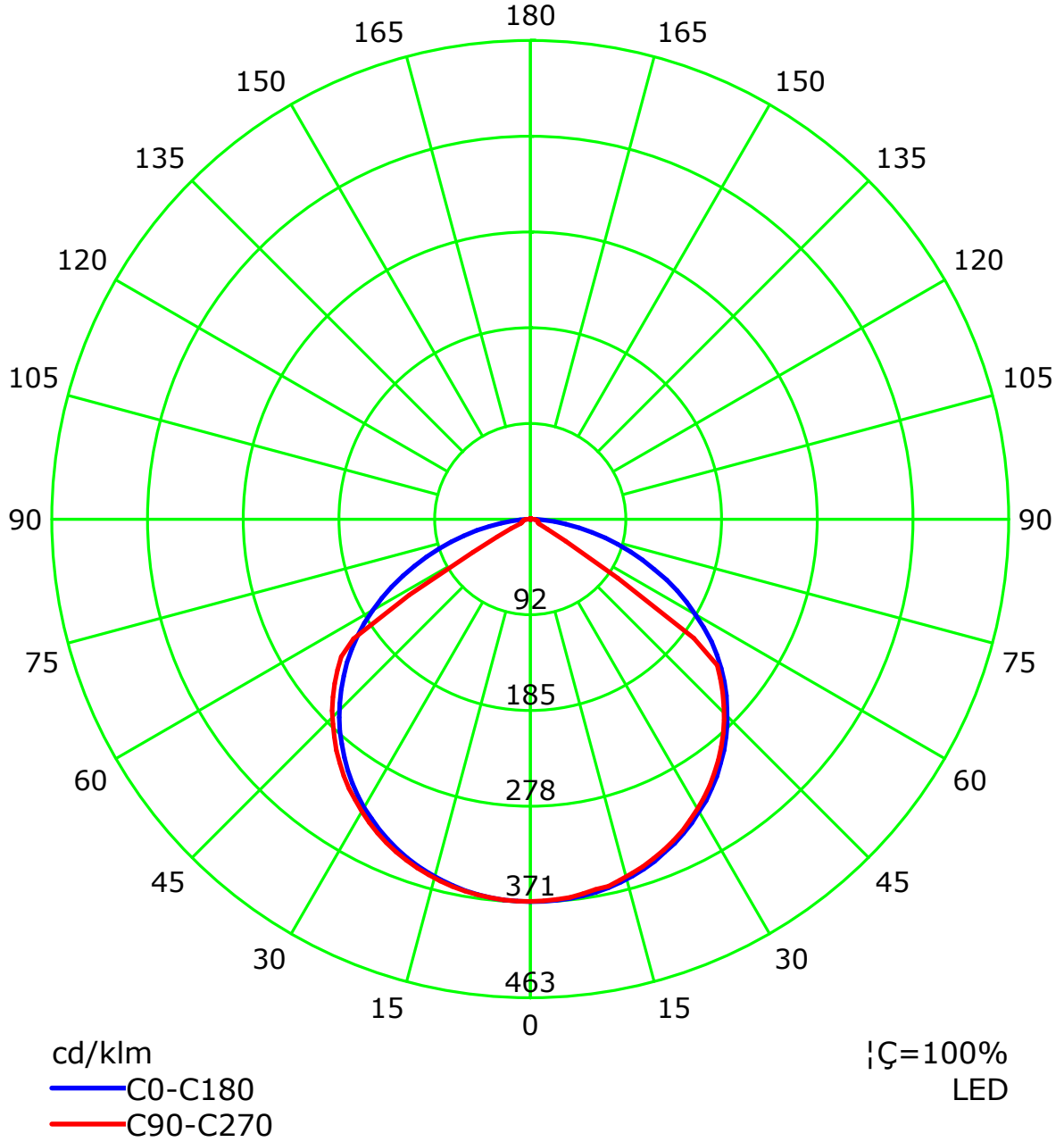
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

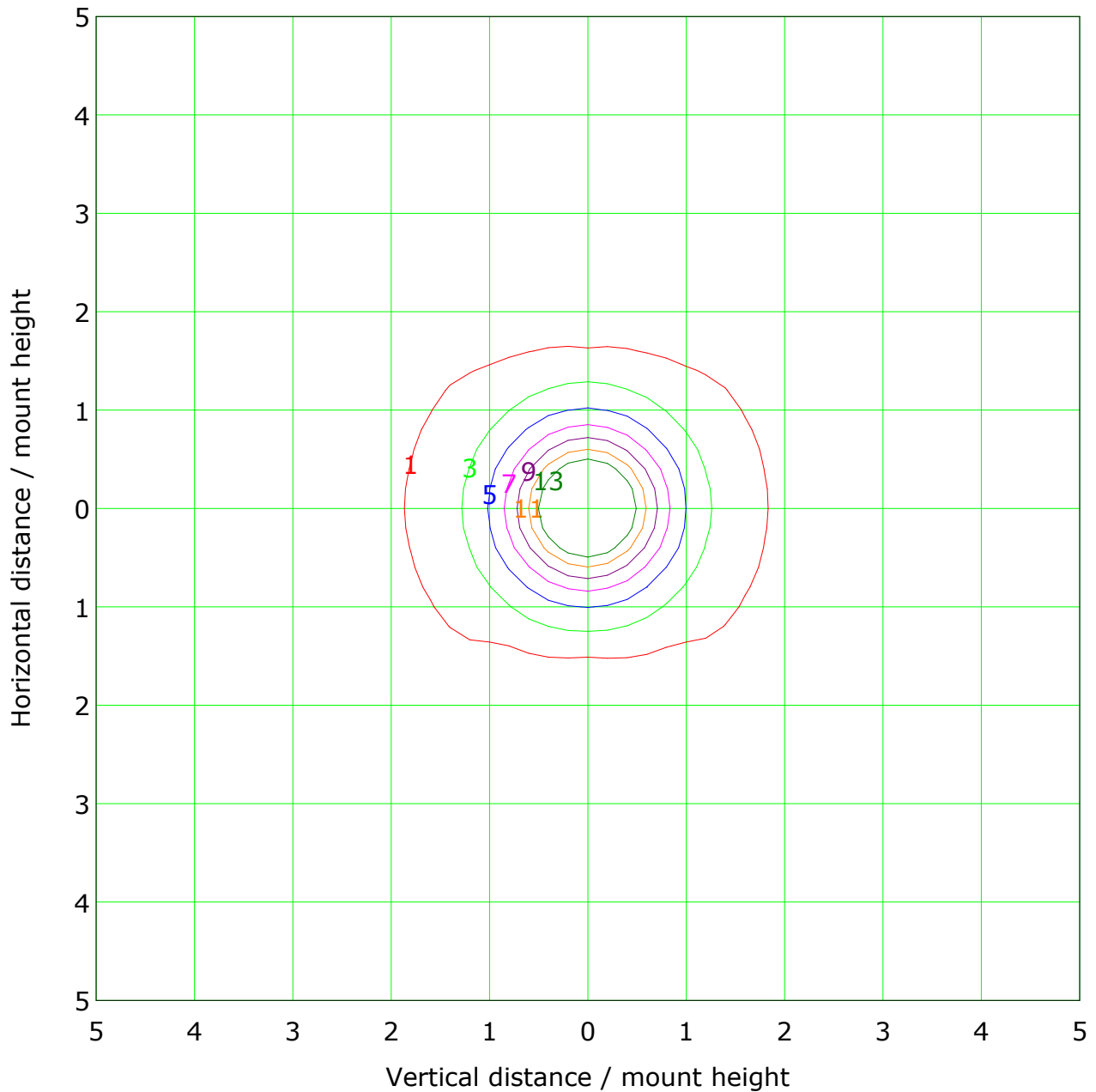
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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Temperature:

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Test Device: LSG-1800B

Distance: 12.654 m

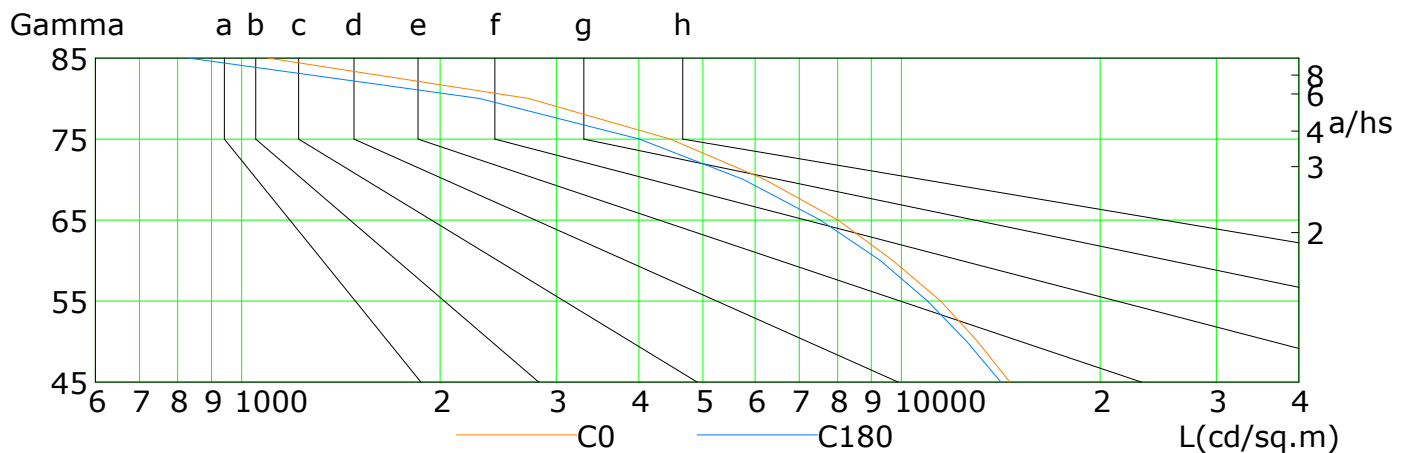
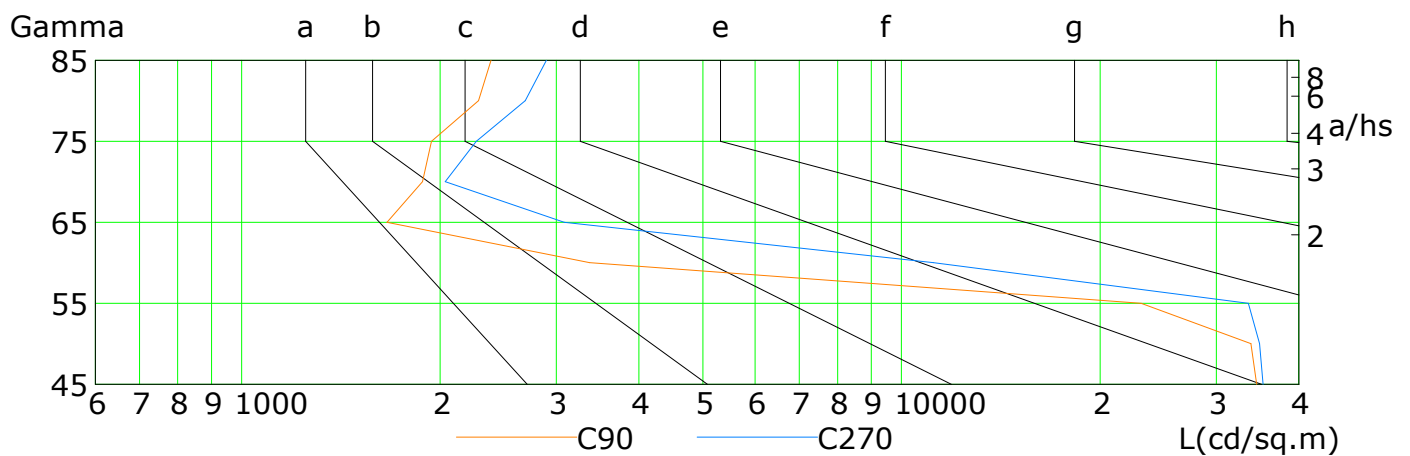
Humidity:

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	14590	13044	11471	9696	8016	6203	4465	2720	1097
C90	34551	33866	23074	3367	1660	1880	1940	2286	2388
C180	14155	12559	10960	9289	7537	5758	4011	2293	831
C270	35311	34869	33544	11173	3082	2036	2268	2689	2897

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Temperature:

Operator:

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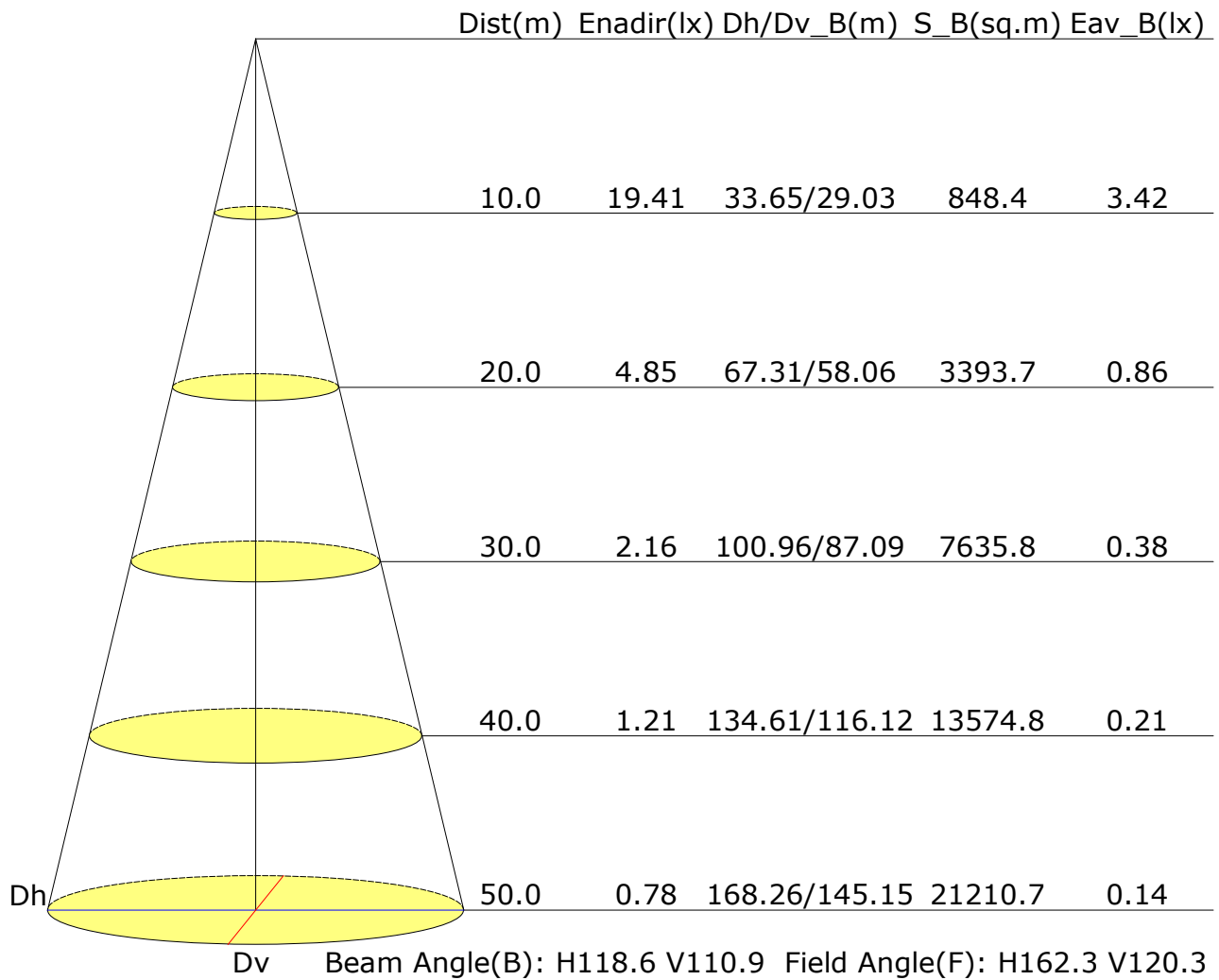
Test Device: LSG-1800B

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: