

Report No.: 1

Test Time: 09.07.2018 10:04

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FI 105 20W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Width (mm): 108

Voltage: 231.9 V

Power: 10.26 W

Luminous Length (mm): 392

Luminous Height (mm): 84

Current: 0.045 A

Power Factor: 0.965

Photometric Results

CIE Class: Direct

Measurement Flux: 1474.6 lm

Downward Ratio: 98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.1, 165.9, 169.4, 169.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 106.4, 112.5, 102.4, 107.4

Luminaire Efficacy Rating (LER): 143.78

Max. Intensity: 562.7 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 1474.6 lm

Efficiency: 100%

Upward Ratio: 2%

Central Intensity: 534.97 cd

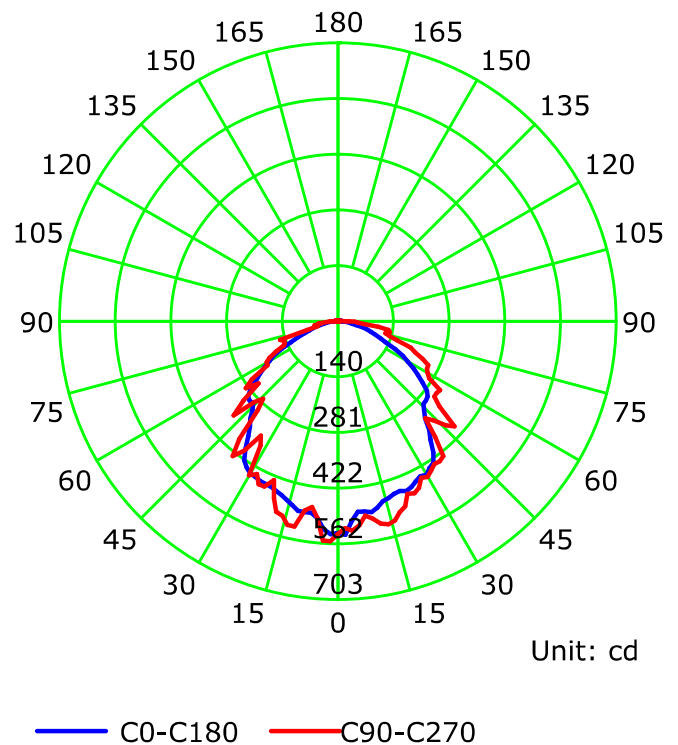
Pos of Max. Intensity: H292.5 V4

S/MH(C90/C270): 1.21

Picture Of Luminaire



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

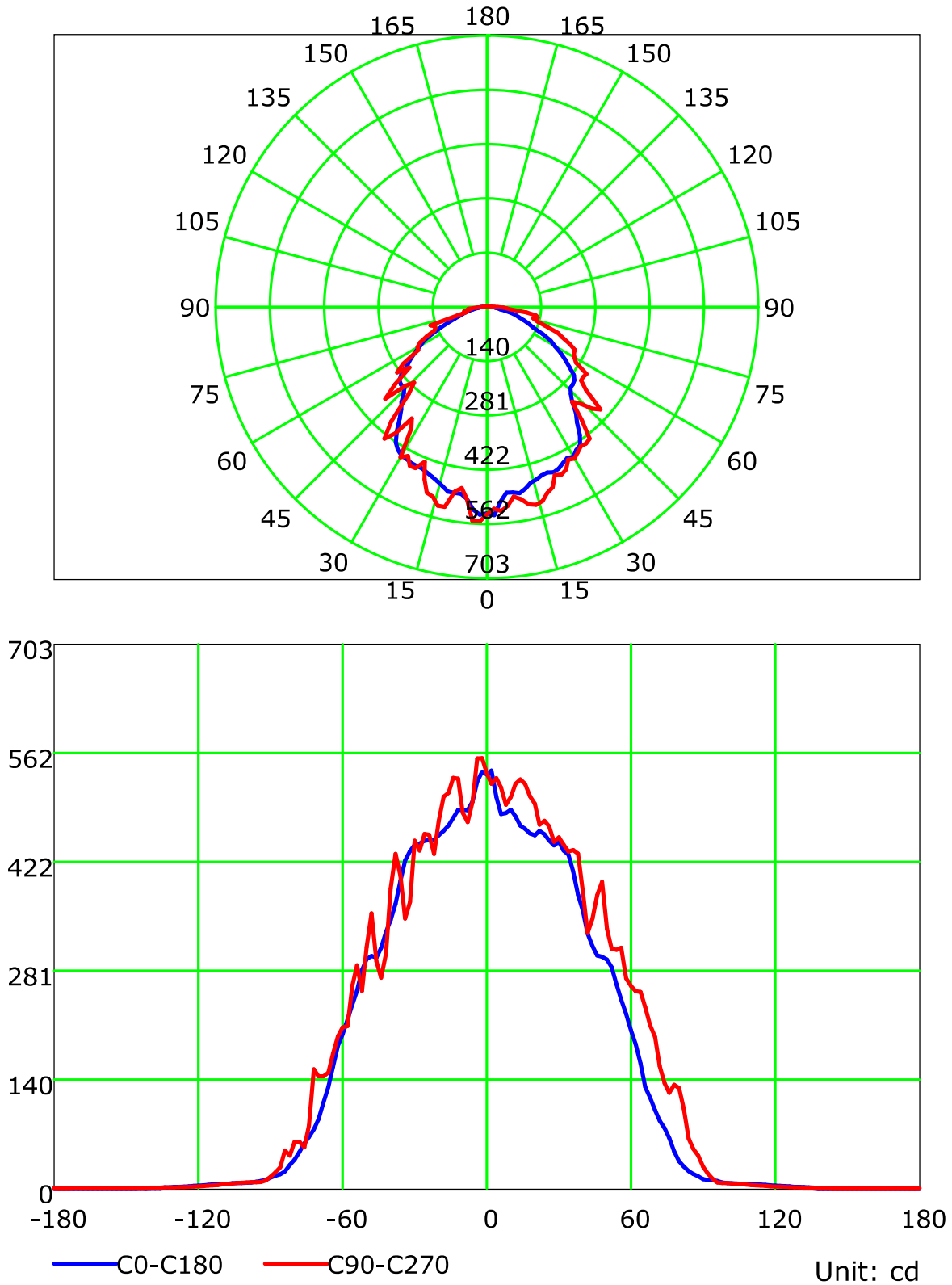
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

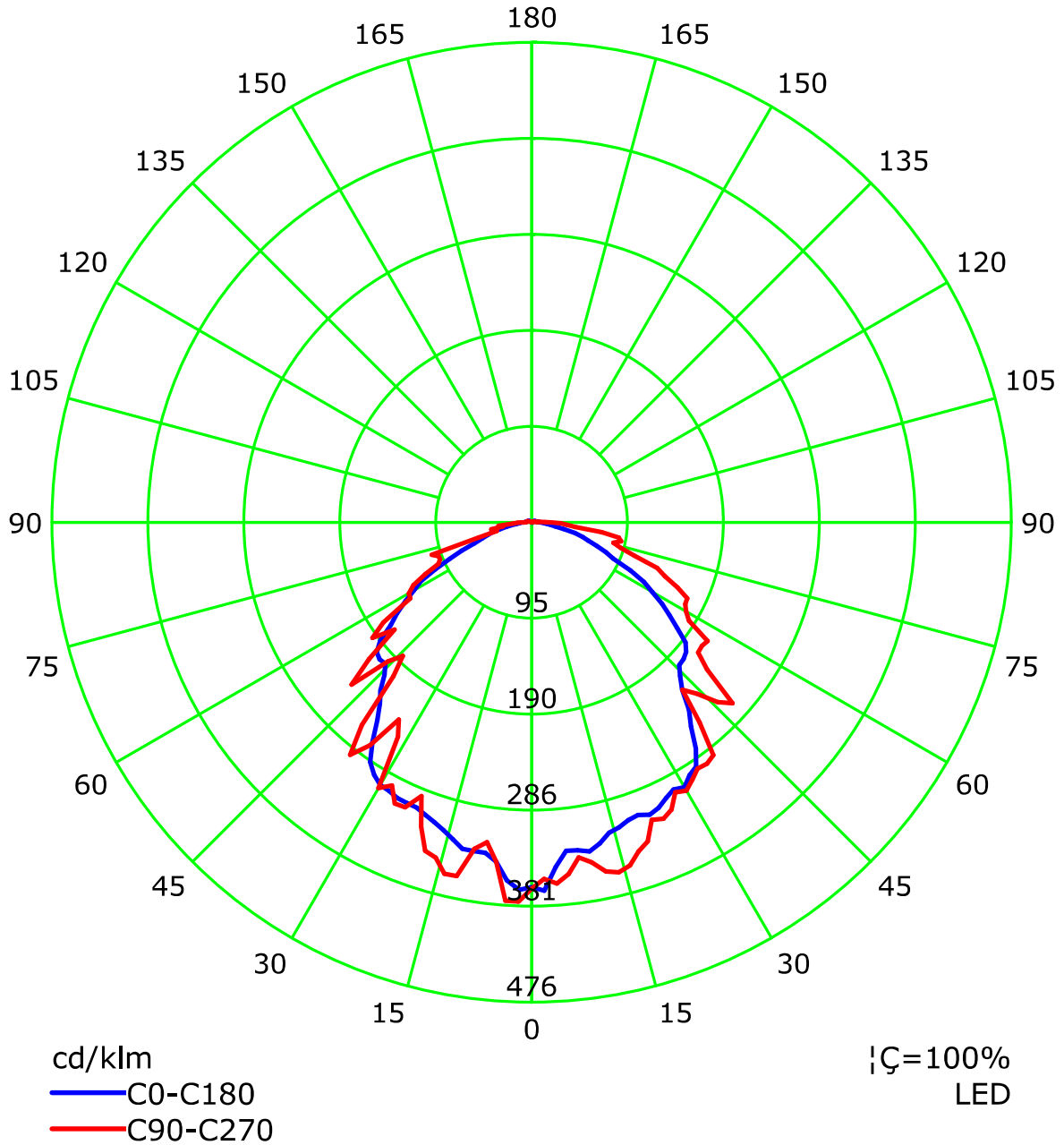
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

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Temperature:

Operator:

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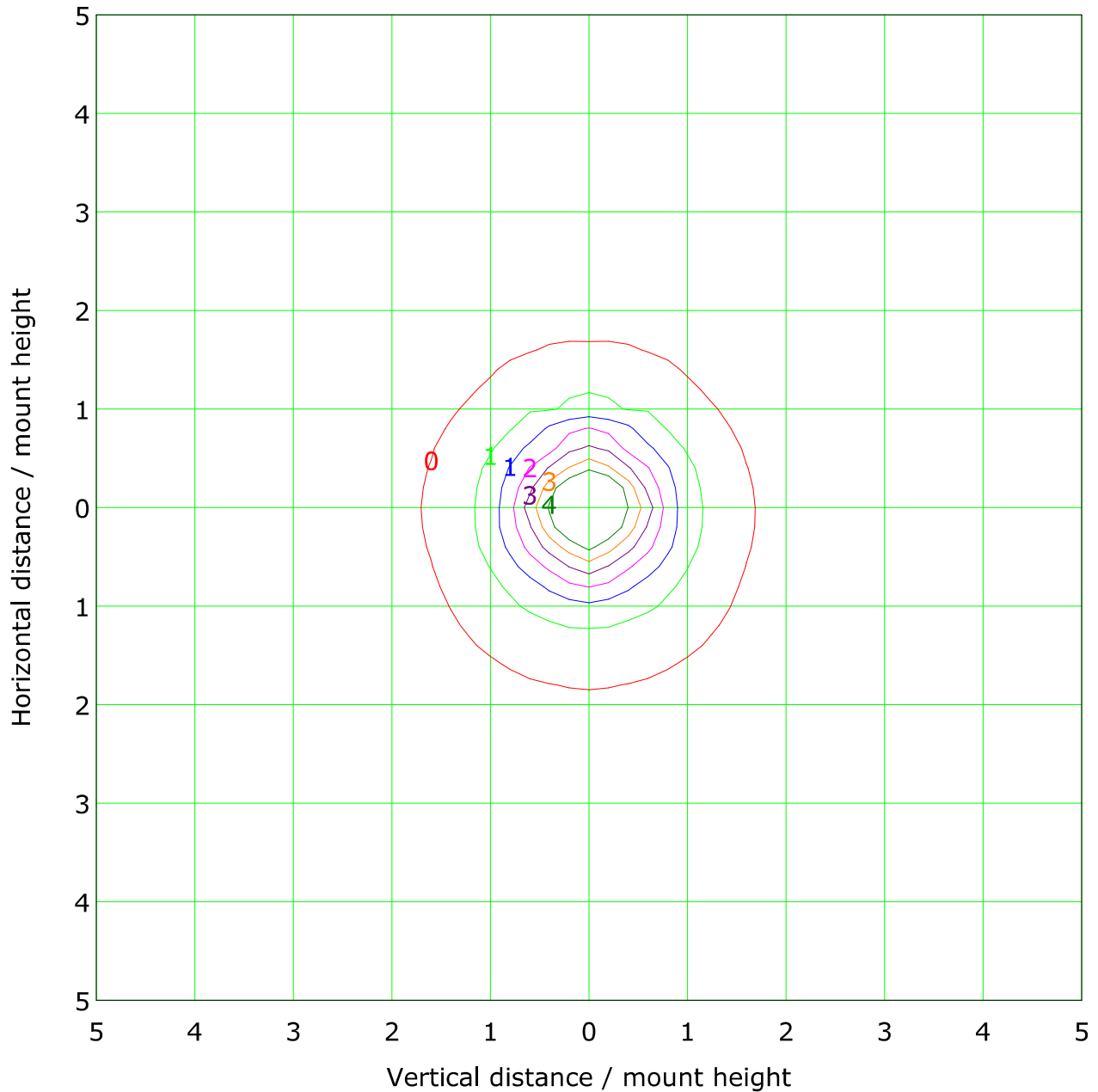
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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Test Device: LSG-1800B

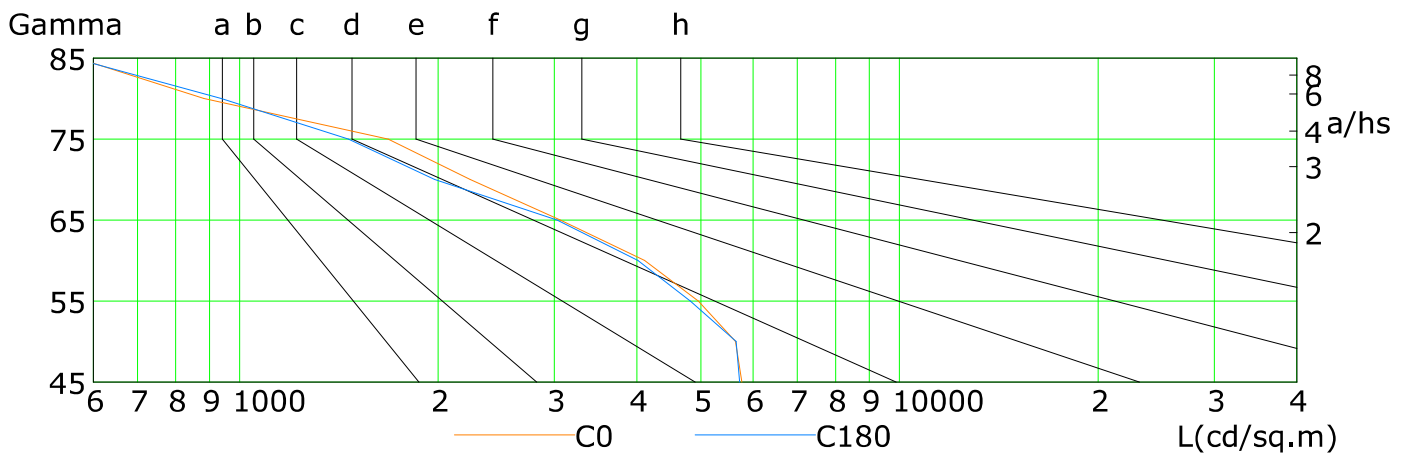
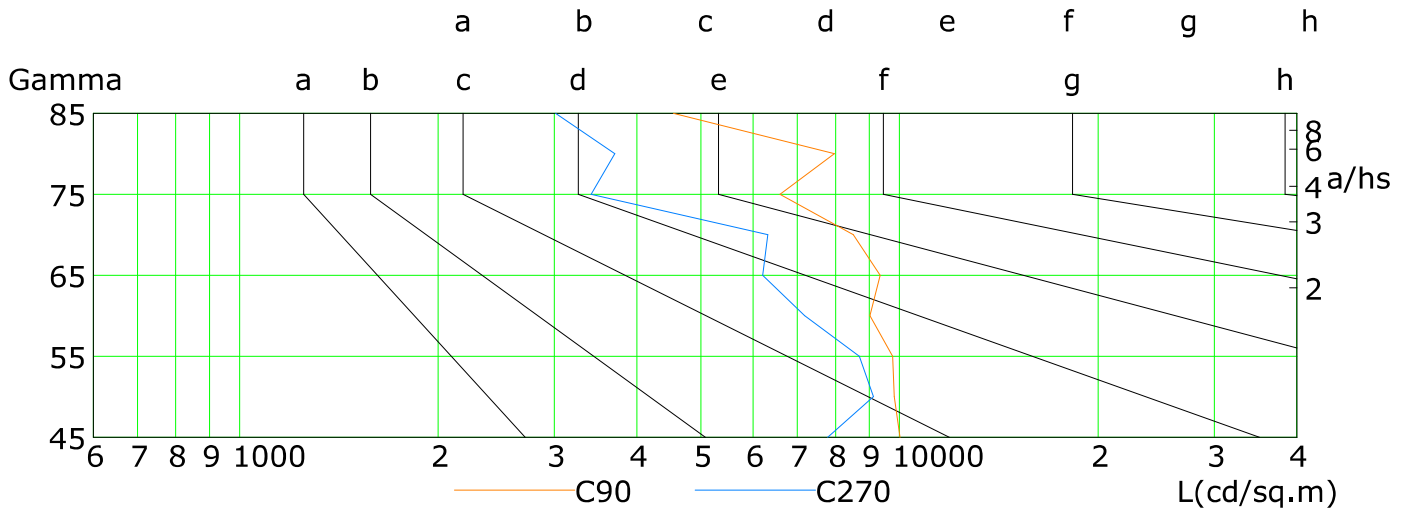
Distance: 12.654 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5772	5643	4954	4110	3064	2235	1679	883	567
C90	10017	9820	9769	9016	9352	8515	6587	7965	4545
C180	5726	5656	4820	4013	3028	1975	1462	938	561
C270	7783	9127	8690	7179	6206	6318	3411	3702	3011

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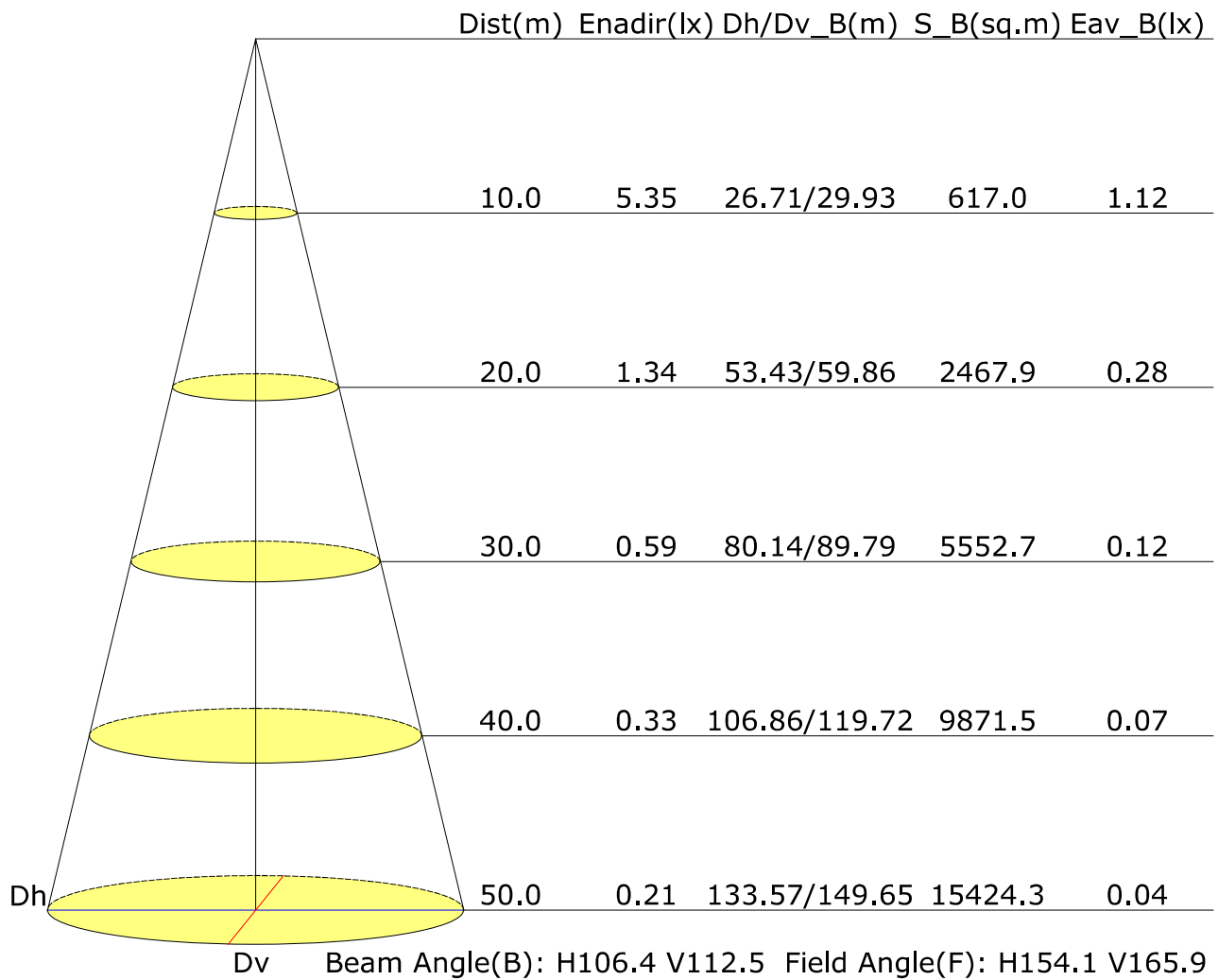
Test Device: LSG-1800B

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: