

Report No.: 20

Test Time: 19.10.2017 12:39

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 25x3LED 40W Refond 125-127,5Lm 3000K

Lamp Description: LED

Luminous Length (mm): 945

Luminous Width (mm): 55

Luminous Height (mm): 90

Voltage: 231.3 V

Current: 0.176 A

Power: 40.43 W

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 4532.9 lm

Measurement Flux: 4532.9 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.1, 123.5, 137.9, 138.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.6, 112.4, 113.1, 113.2

Luminaire Efficacy Rating (LER): 112.17

Central Intensity: 1744.39 cd

Max. Intensity: 1746.94 cd

Pos of Max. Intensity: H202.5 V6

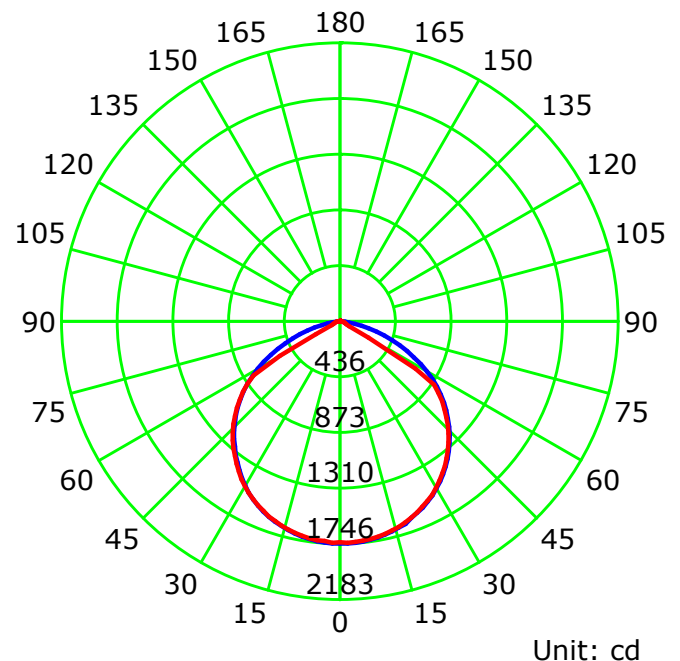
S/MH(C0/C180): 1.28

S/MH(C90/C270): 1.28

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.606 m

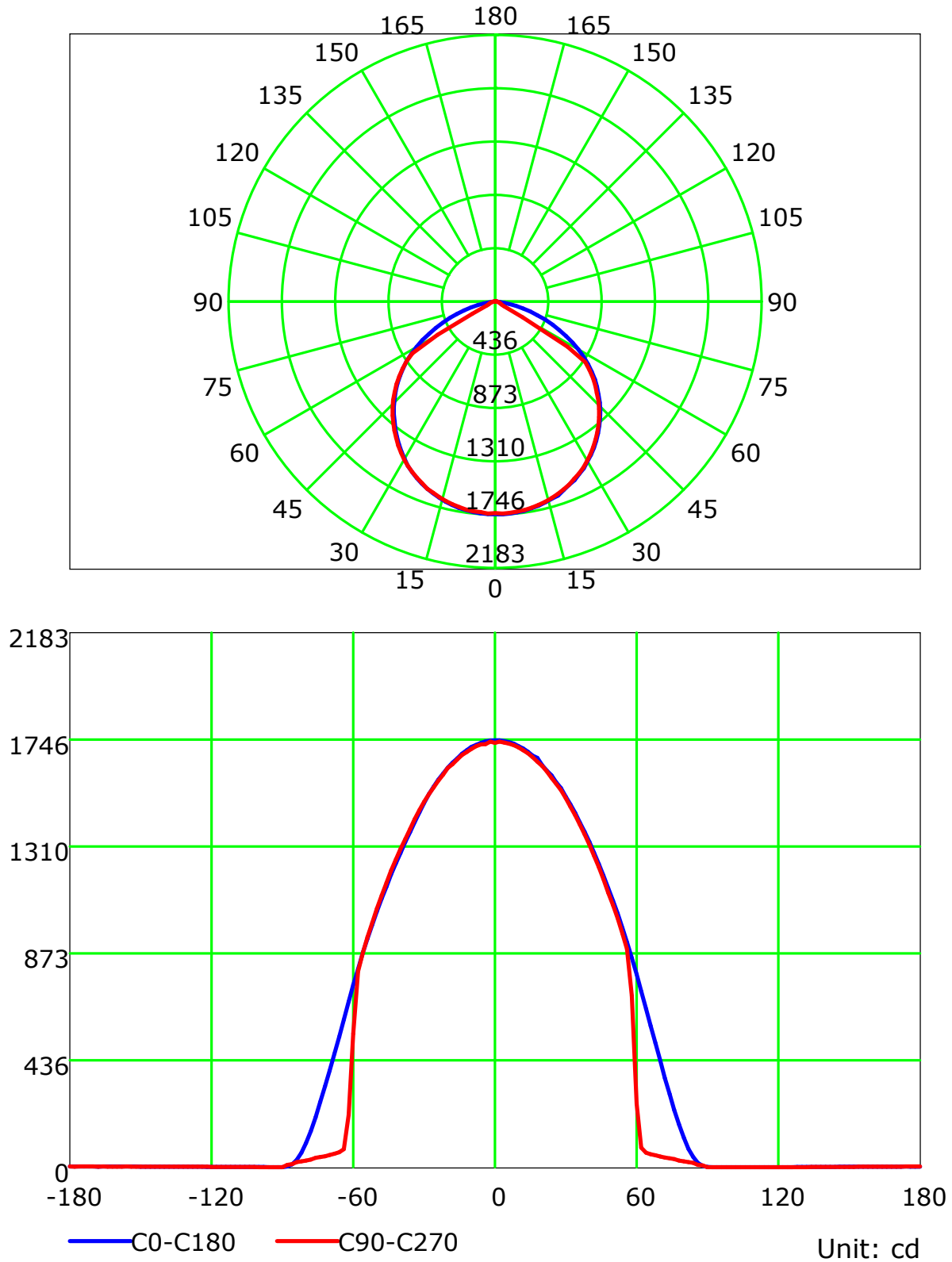
Temperature:

Humidity:

Operator:

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

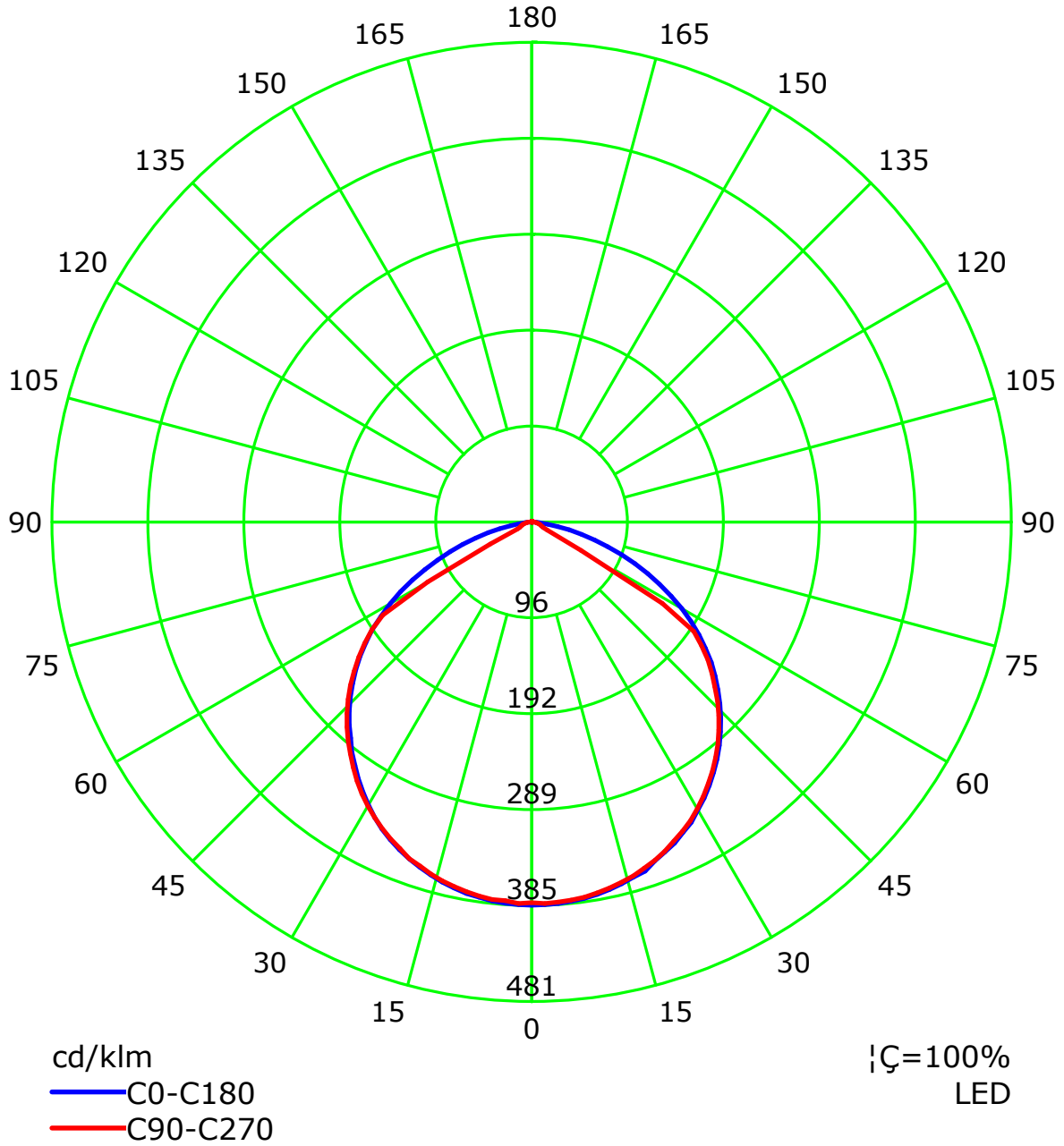
Test Device: LSG-1800B

Distance: 12.606 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

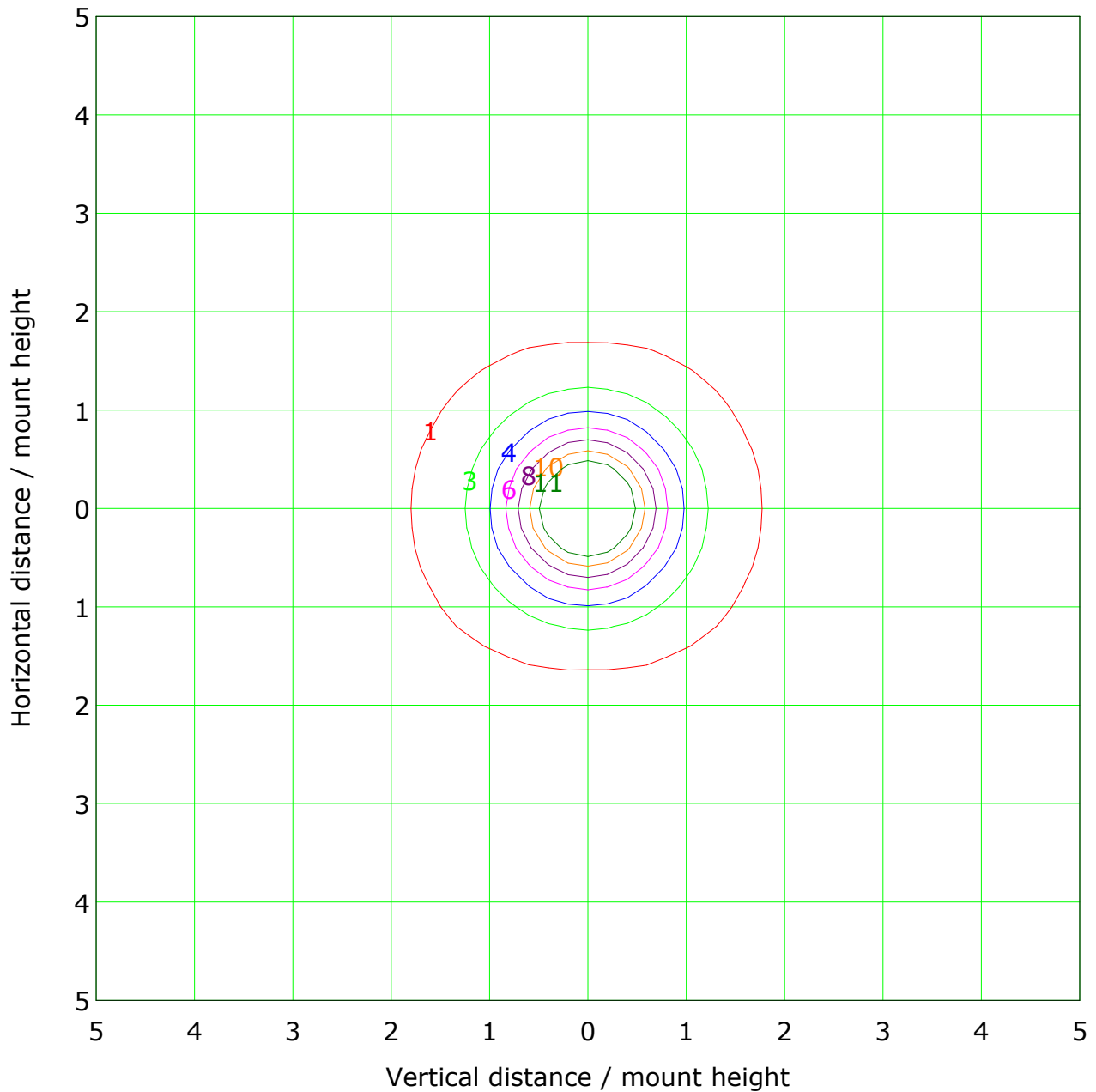
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



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Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

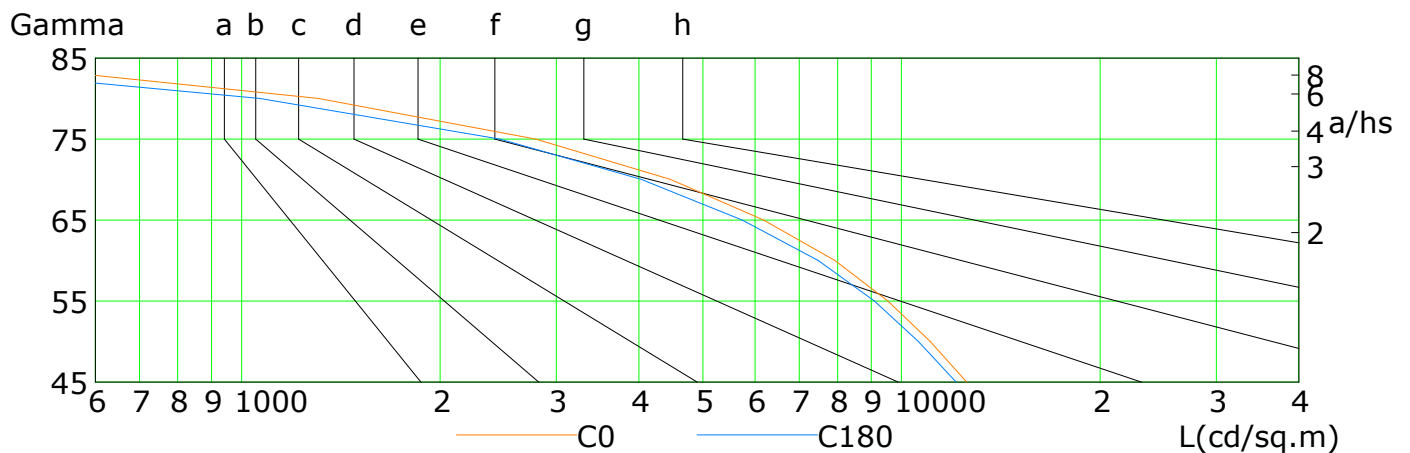
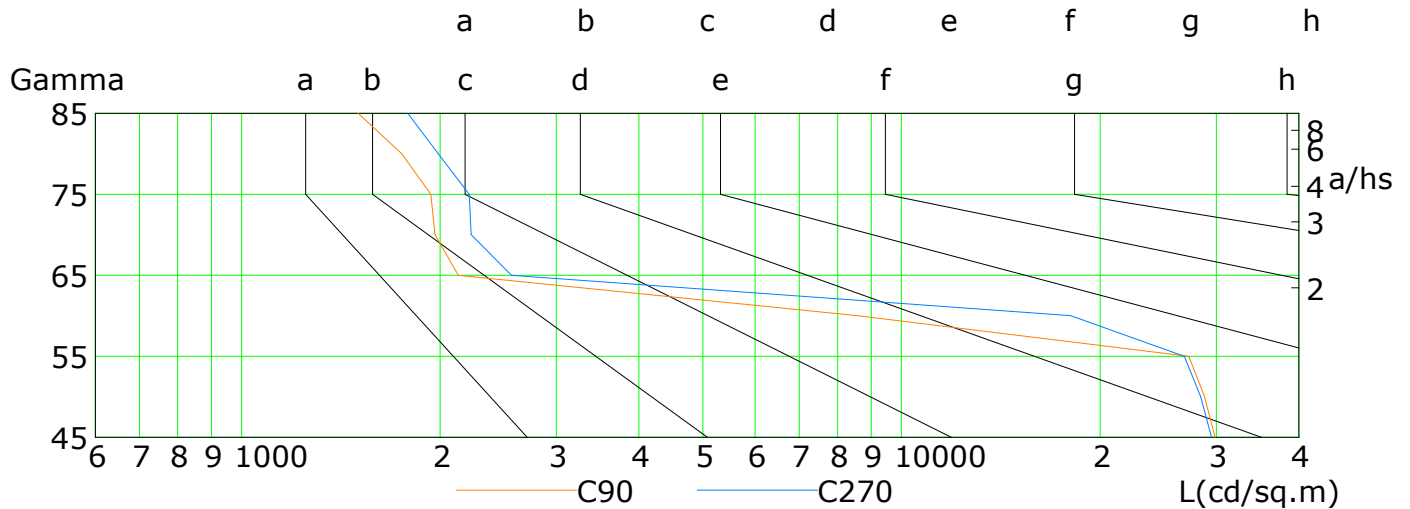
Distance: 12.606 m

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	12549	11051	9539	7922	6187	4467	2790	1307	337
C90	29868	28786	27253	8568	2131	1964	1935	1749	1502
C180	12094	10609	9105	7478	5739	4037	2464	1066	236
C270	29495	28407	26838	18052	2565	2227	2212	1986	1786

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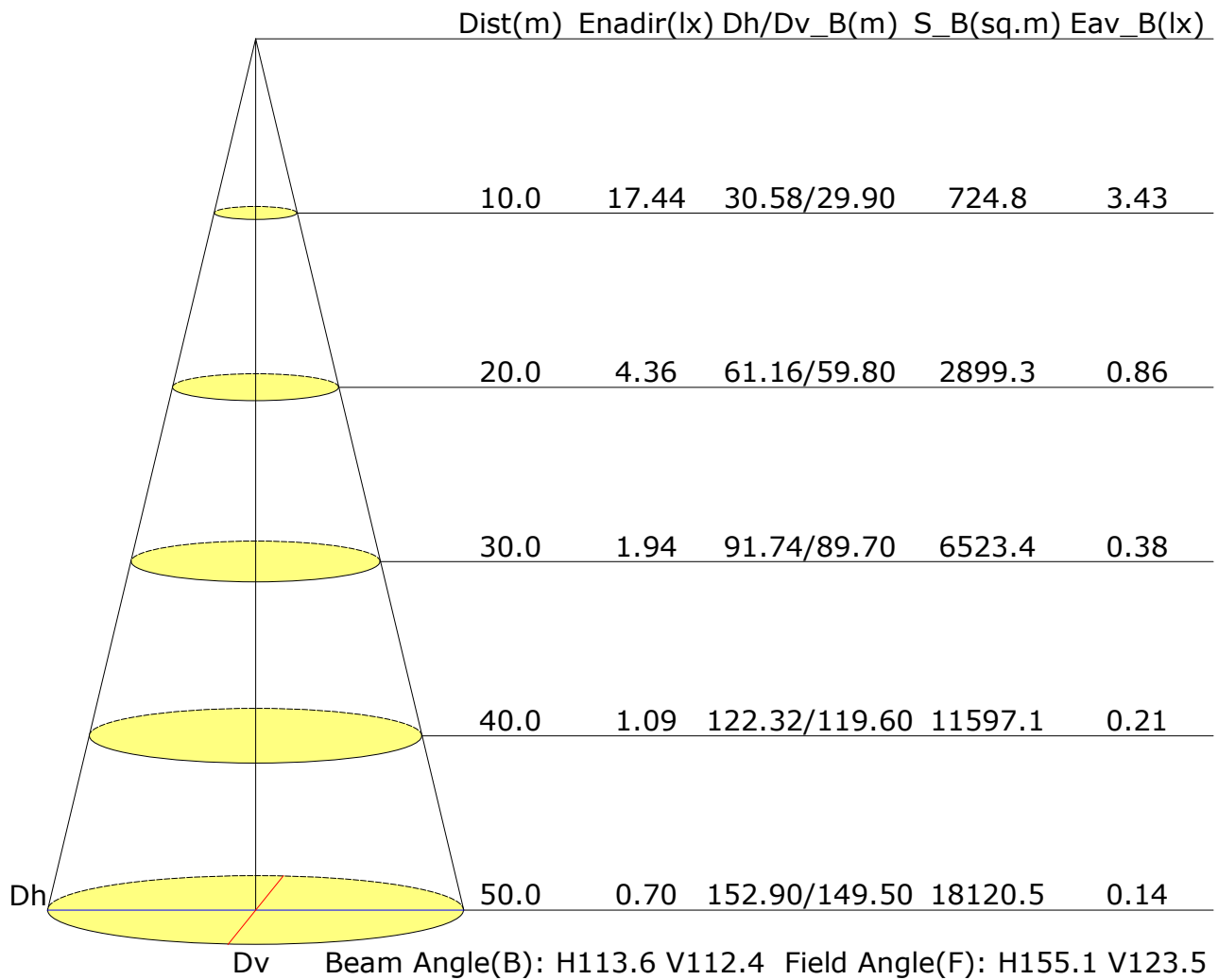
Test Device: LSG-1800B

Distance: 12.606 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: 12.606 m

Humidity:

Inspector: