

Report No.: 1

Test Time: 01.08.2018 14:30

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 A30 2x84LED 0,38A 52W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Length (mm): 1500

Luminous Width (mm): 80

Luminous Height (mm): 92

Voltage: 221.1 V

Current: 0.235 A

Power: 51.31 W

Power Factor: 0.985

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5885.1 lm

Measurement Flux: 5885.1 lm

Efficiency: 100%

Downward Ratio: 95%

Upward Ratio: 5%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.8, 167.4, 164.2, 163.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 107.1, 112.1, 110.0, 109.7

Luminaire Efficacy Rating (LER): 114.75

Central Intensity: 1781.43 cd

Max. Intensity: 2097.35 cd

Pos of Max. Intensity: H180 V28

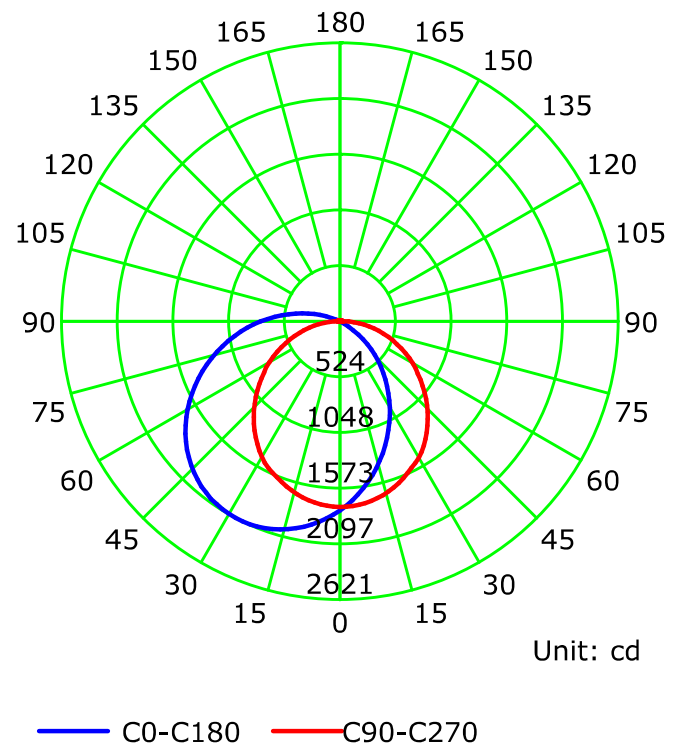
S/MH(C0/C180): 1.27

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



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: 12.654 m

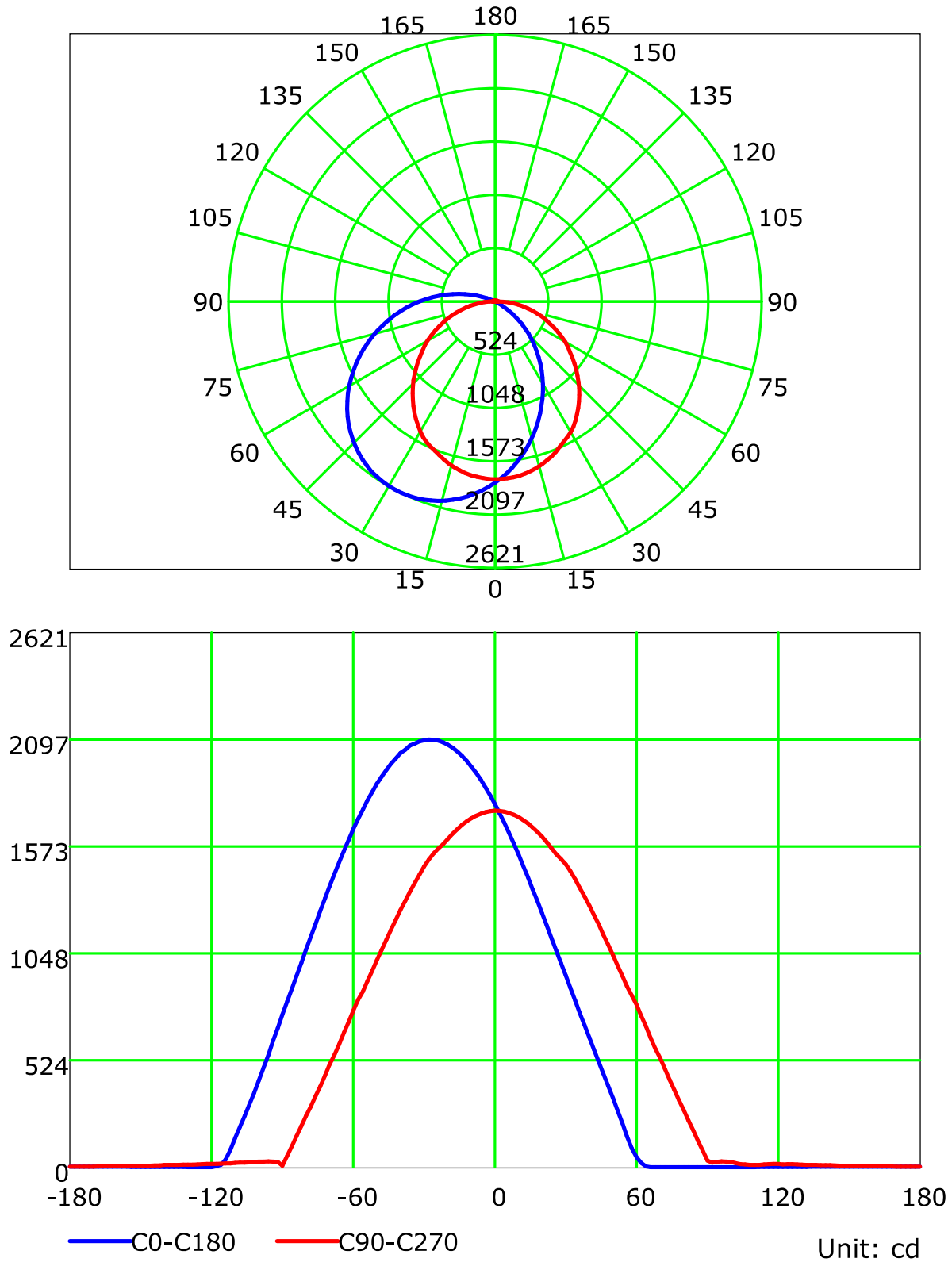
Temperature:

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

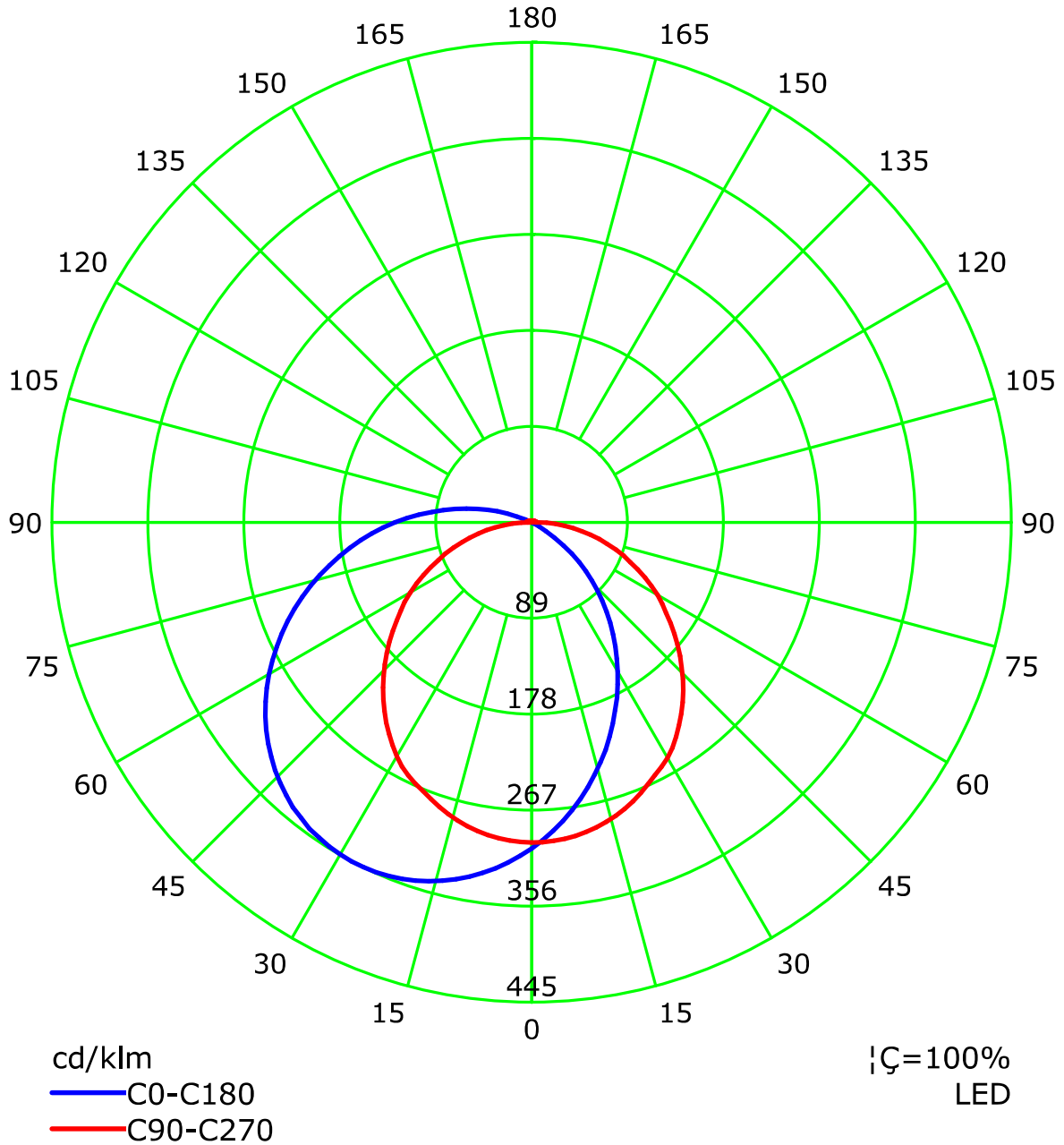
Test Device: LSG-1800B

Distance: 12.654 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

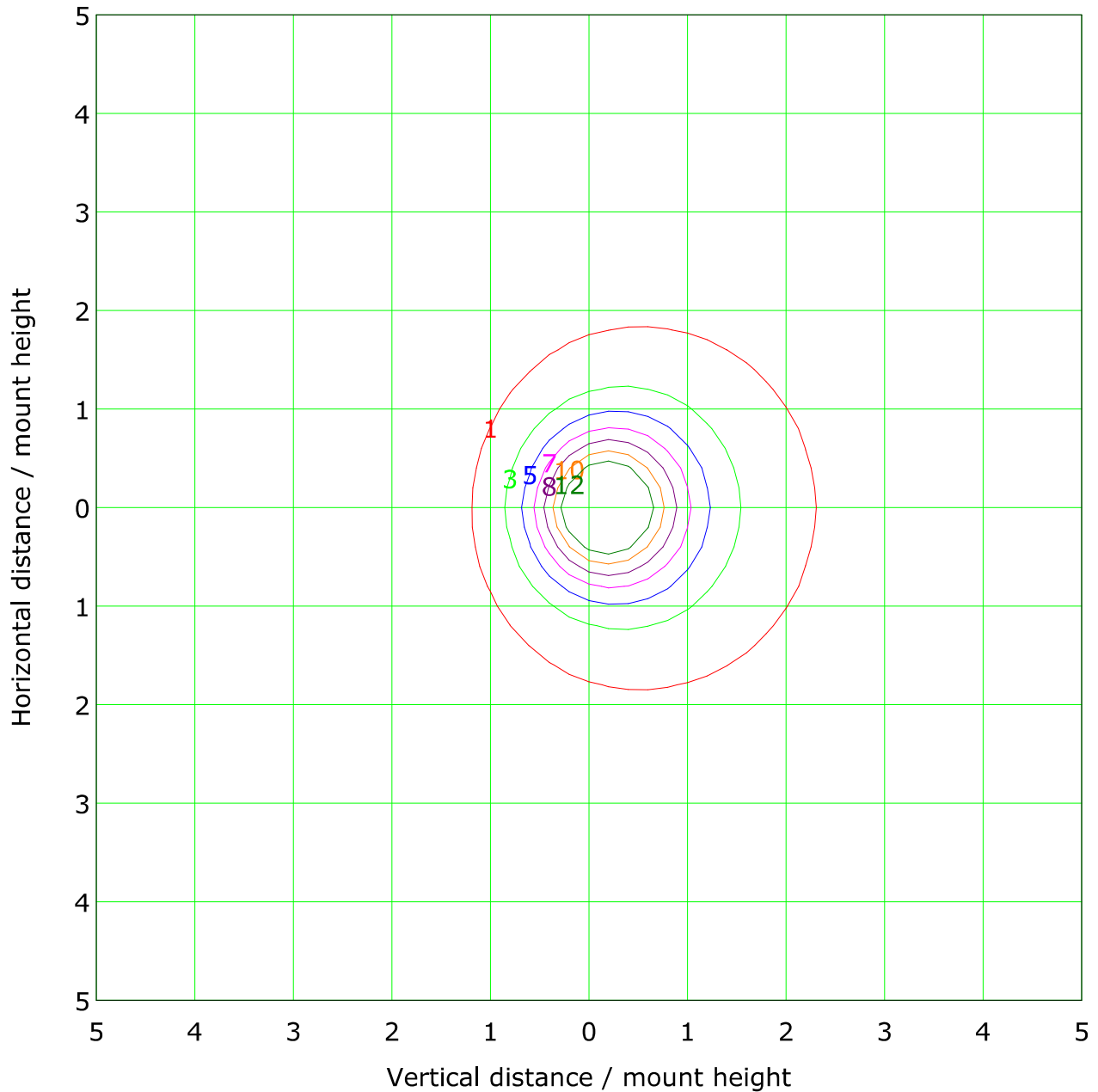
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 18.8 lx	
(5%):	0.9 lx	(15%):	2.8 lx
(25%):	4.7 lx	(35%):	6.6 lx
(45%):	8.5 lx	(55%):	10.3 lx
(65%):	12.2 lx		

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Test Device: LSG-1800B

Distance: 12.654 m

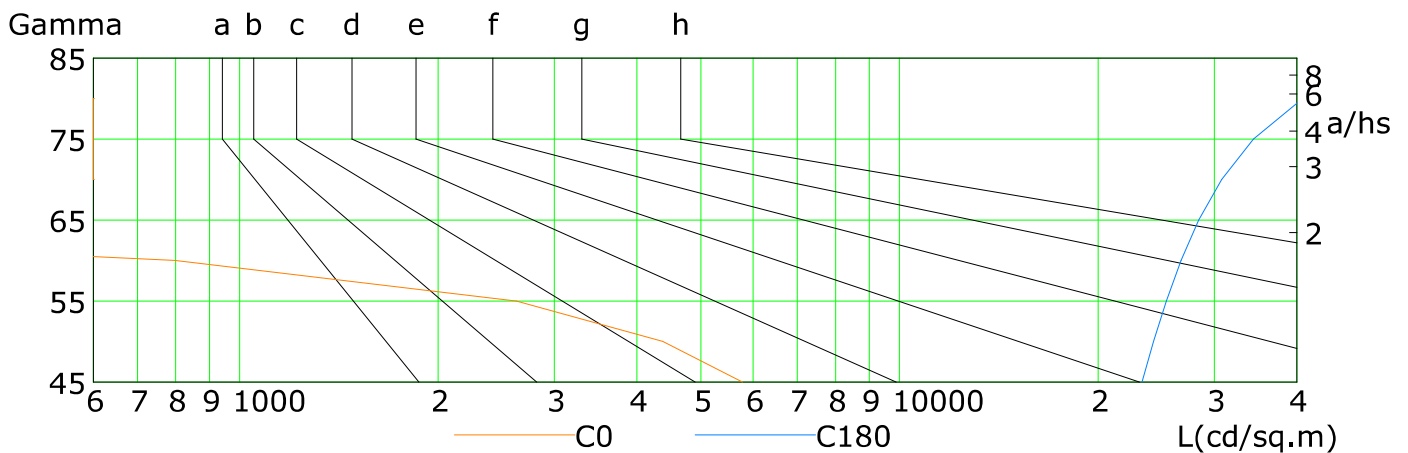
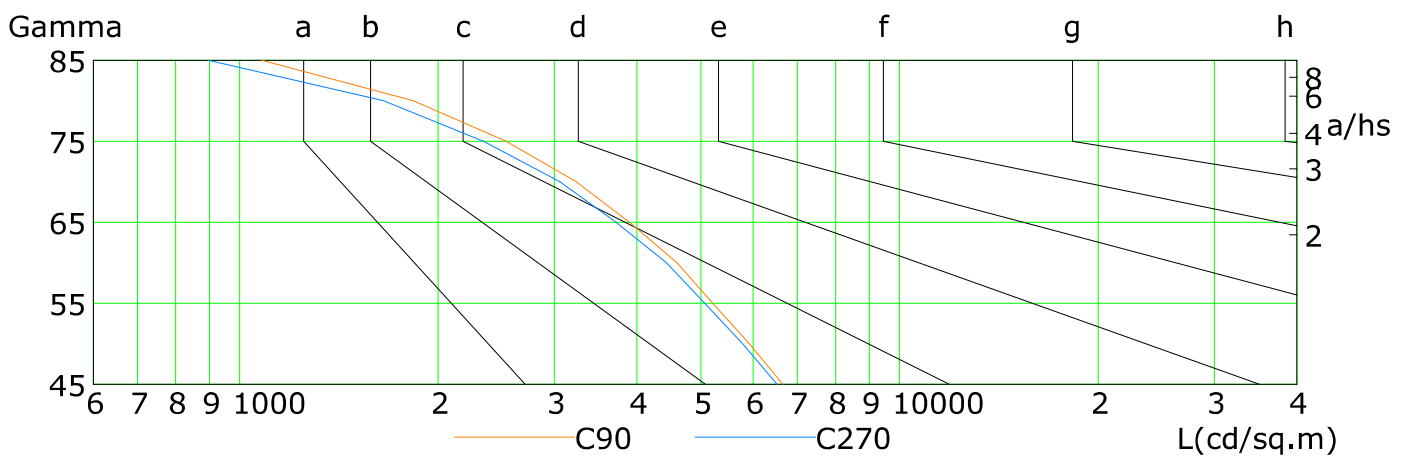
Humidity:

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	5783	4379	2628	798	45	0	0	0	7
C90	6659	5922	5214	4599	3899	3236	2537	1833	1081
C180	23301	24275	25372	26704	28403	30777	34400	40787	54954
C270	6527	5780	5071	4431	3719	3056	2342	1651	897

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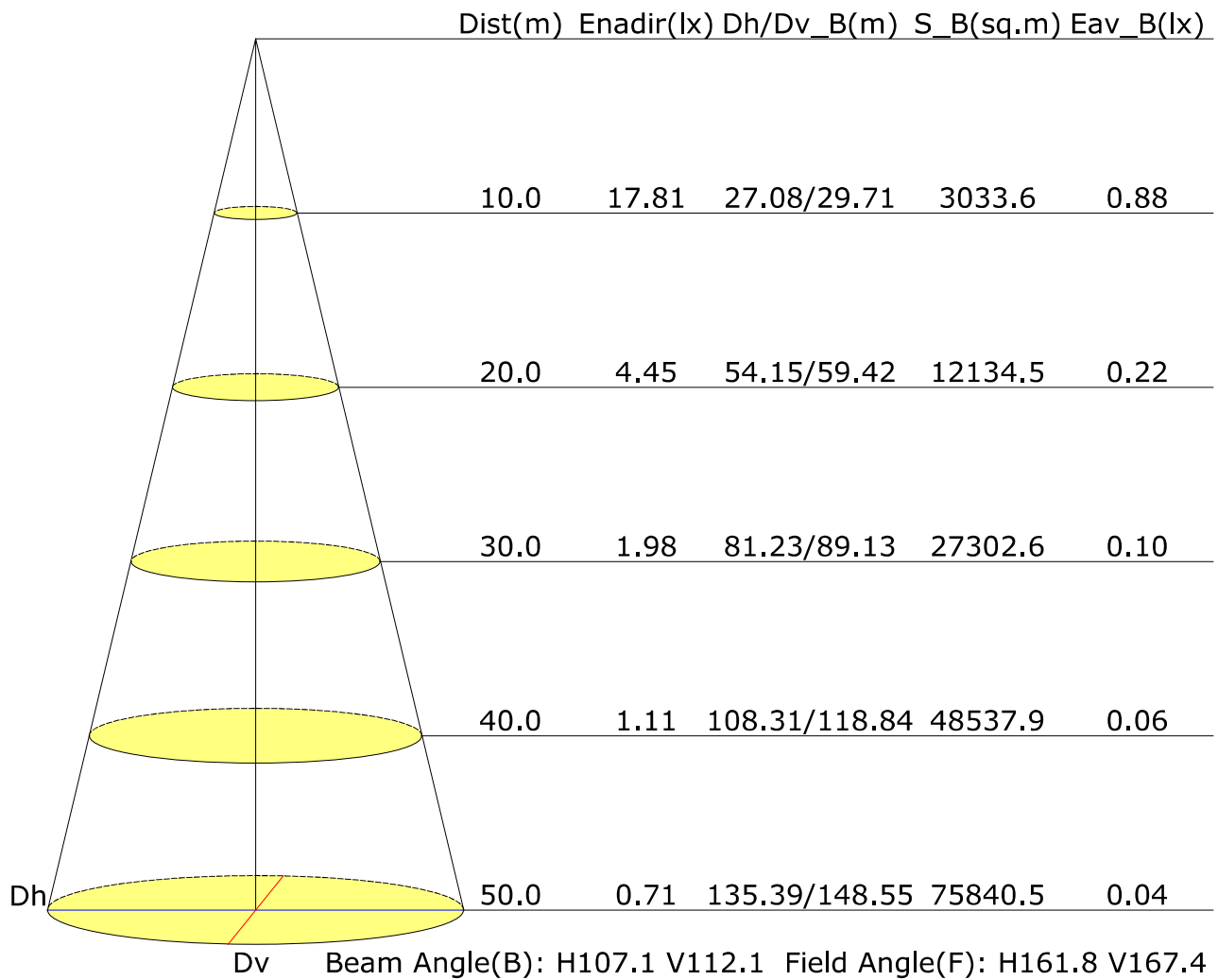
Test Device: LSG-1800B

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: