

Report No.: 1

Test Time: 11.05.2018 20:32

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 2x84LED 0,38A 50W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 230.7 V

Power: 49.87 W

Luminous Length (mm): 1500

Luminous Height (mm): 64

Current: 0.220 A

Power Factor: 0.980

Photometric Results

CIE Class: Direct

Measurement Flux: 6634.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.0, 162.5, 155.0, 154.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.0, 81.3, 77.9, 77.6

Luminaire Efficacy Rating (LER): 133.09

Max. Intensity: 3272.44 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 6634.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 3271.39 cd

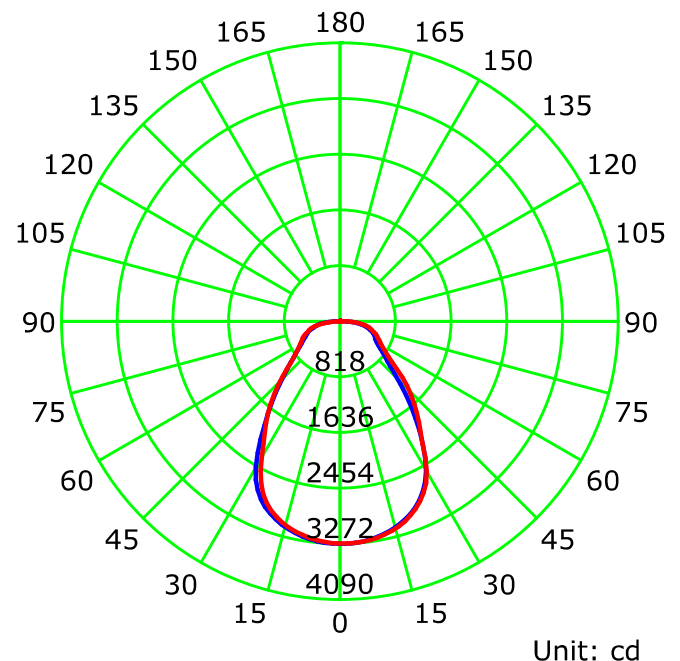
Pos of Max. Intensity: H0 V2

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

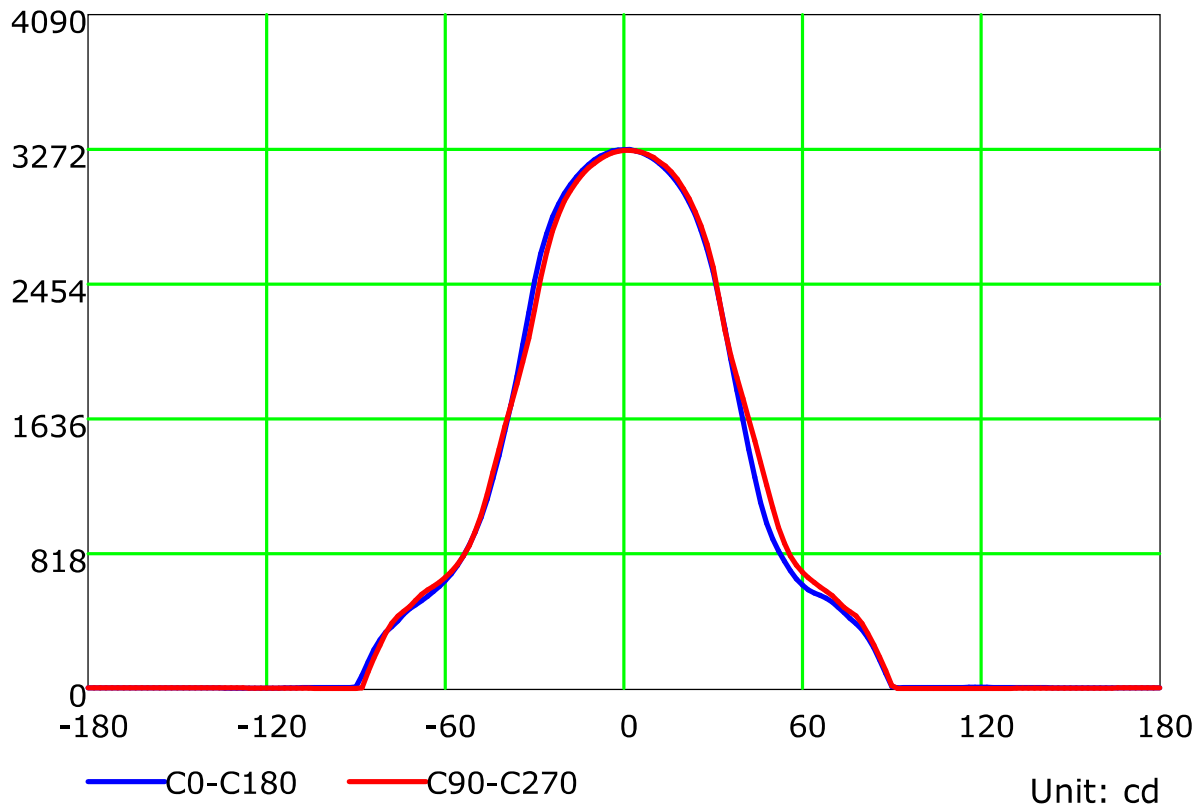
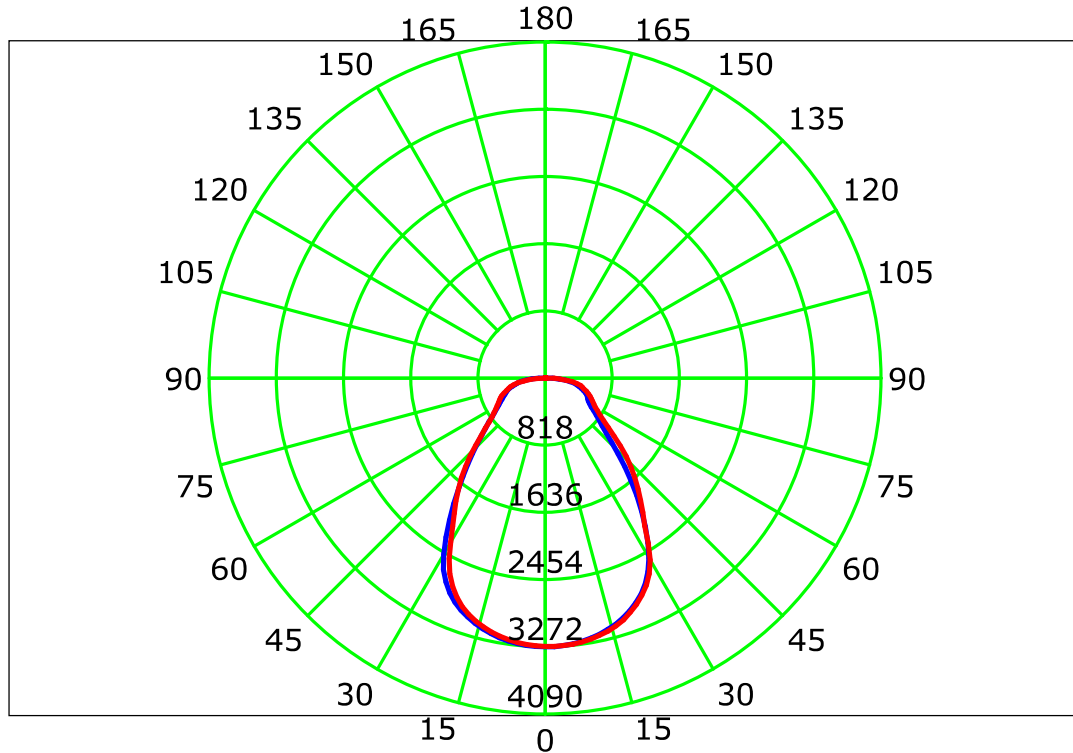
Test Device: LSG-1800B

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

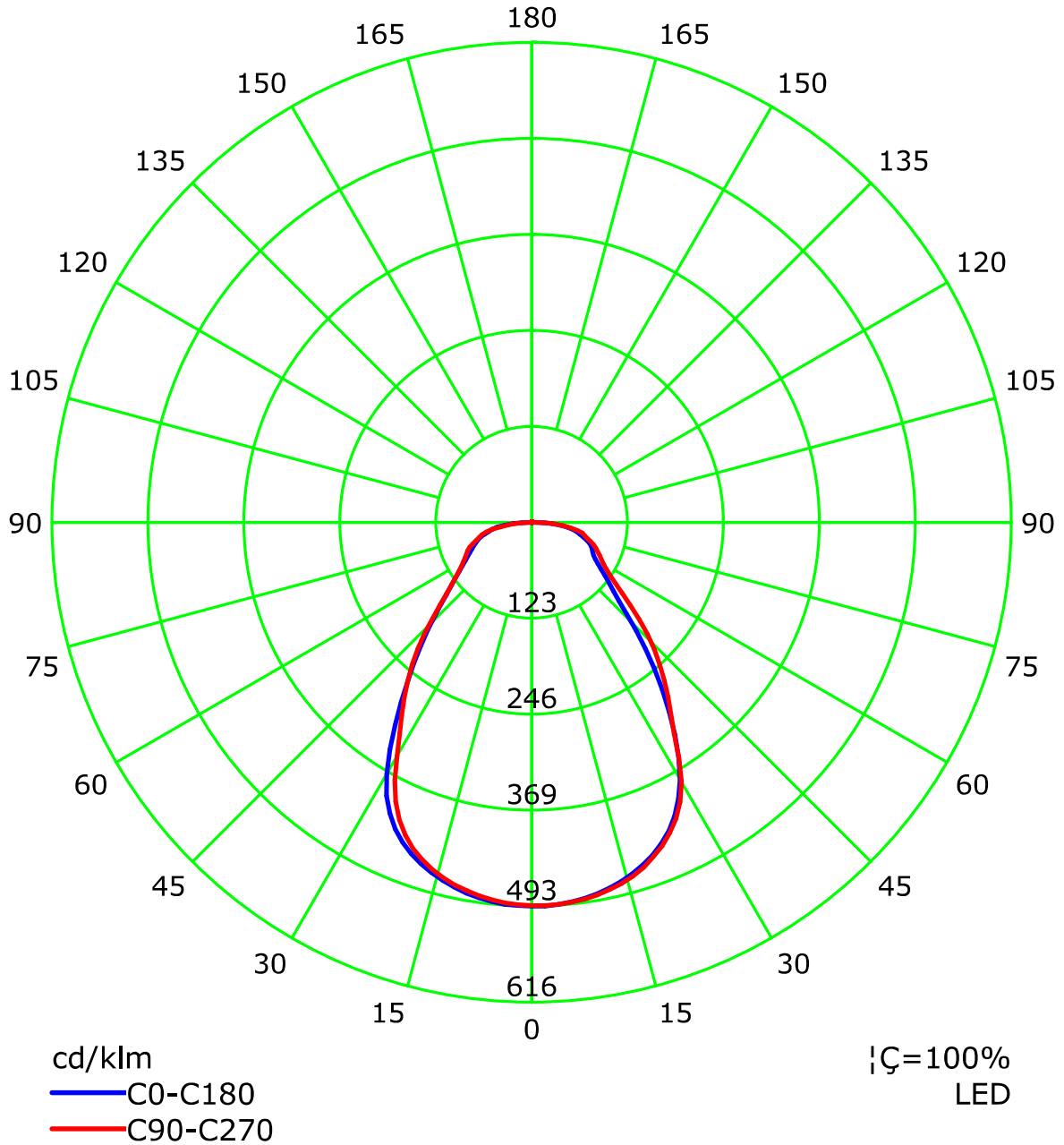
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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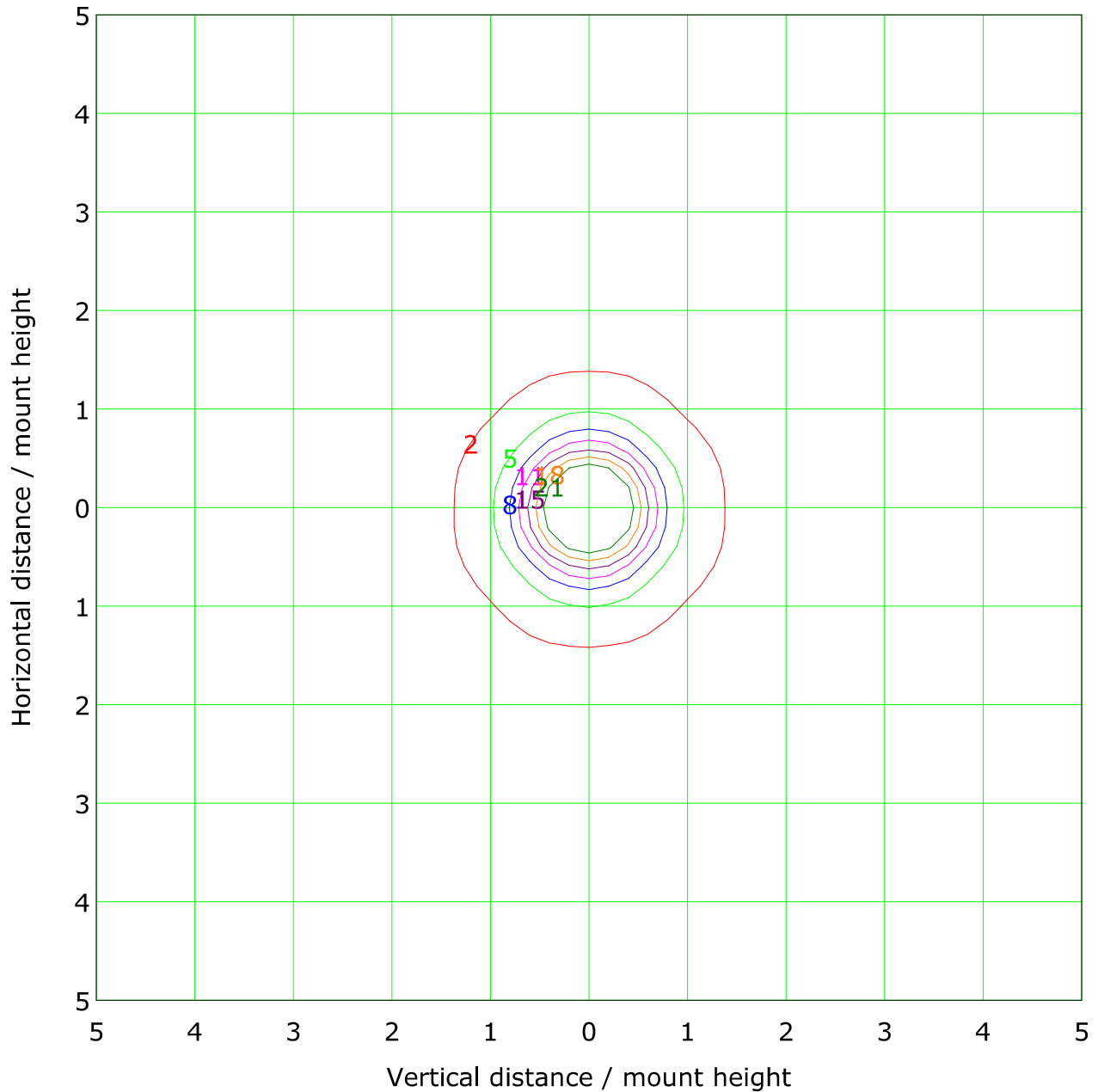
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 32.7 lx

(5%): 1.6 lx	(15%): 4.9 lx
(25%): 8.2 lx	(35%): 11.4 lx
(45%): 14.7 lx	(55%): 18.0 lx
(65%): 21.3 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

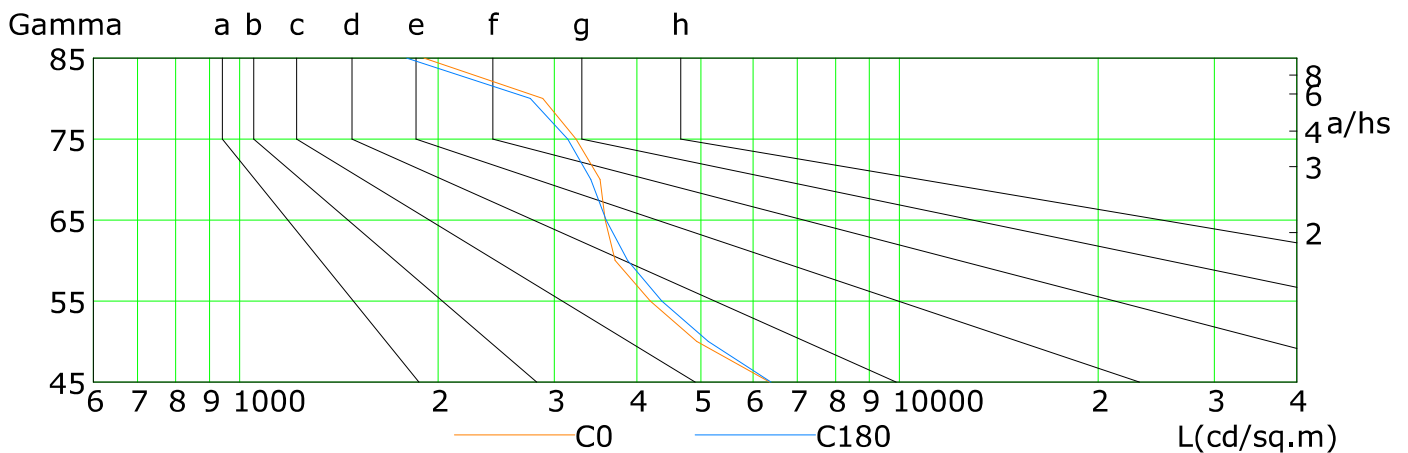
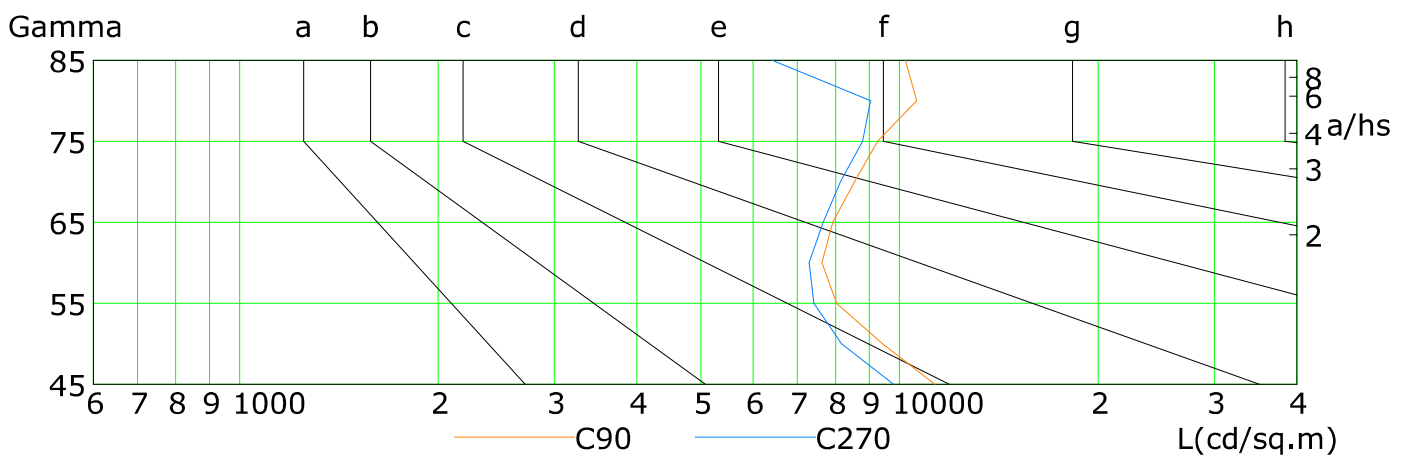
Humidity:

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	6358	4929	4192	3707	3583	3519	3234	2882	1903
C90	11320	9423	8034	7625	7924	8550	9262	10622	10210
C180	6387	5132	4366	3870	3594	3407	3142	2757	1792
C270	9802	8163	7418	7293	7662	8136	8792	9039	6417

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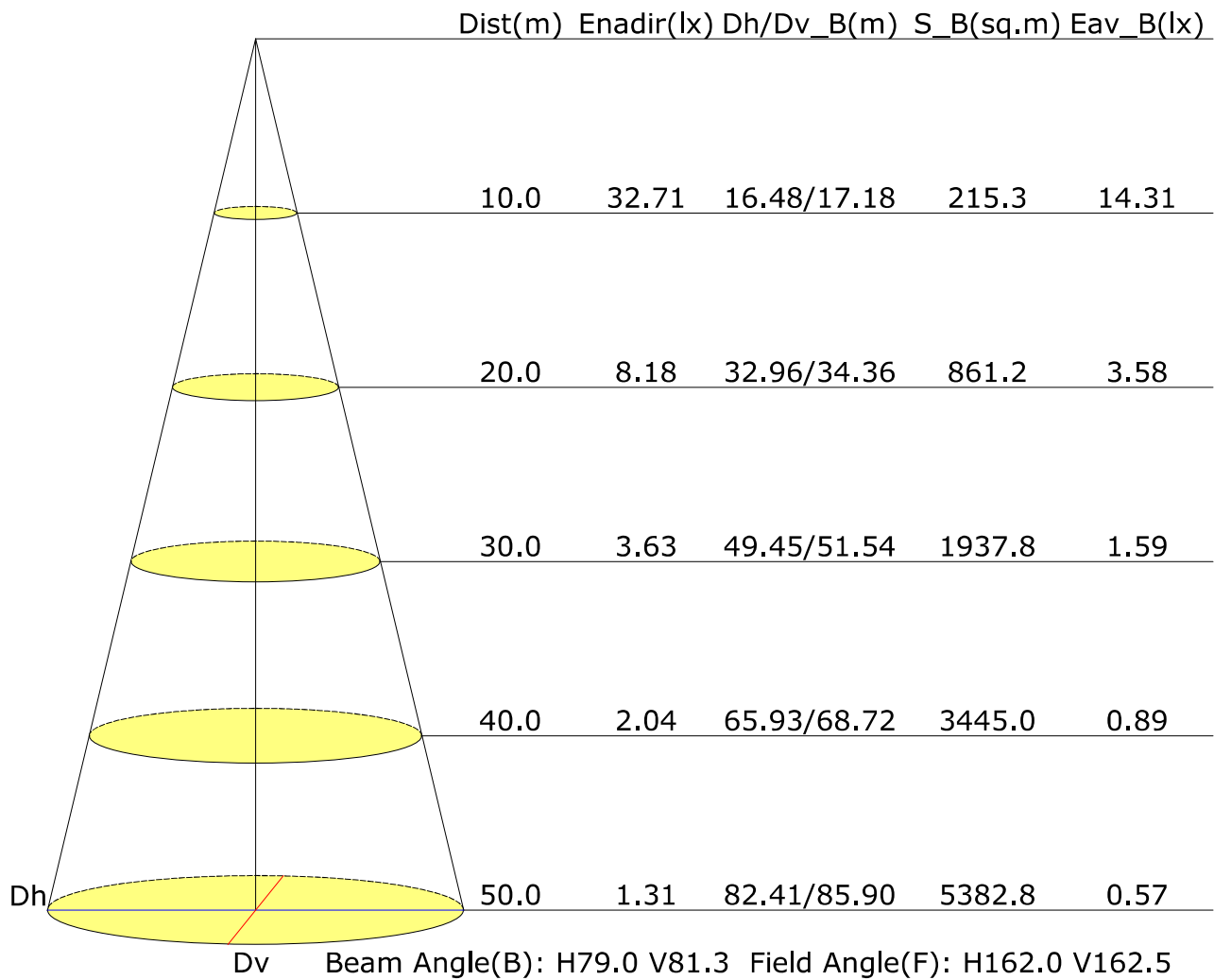
Test Device: LSG-1800B

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: