

Report No.: 20

Test Time: 11.05.2018 15:50

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 180 24LED 0,35A 37W 5000K

Lamp Description: LED

Luminous Width (mm): 180

Voltage: 231.1 V

Power: 36.02 W

Luminous Length (mm): 1200

Luminous Height (mm): 35

Current: 0.159 A

Power Factor: 0.974

Photometric Results

CIE Class: Direct

Measurement Flux: 4502.8 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.1, 162.7, 154.5, 154.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.8, 79.3, 77.3, 77.5

Luminaire Efficacy Rating (LER): 125.06

Max. Intensity: 2239.35 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 4502.8 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2239.34 cd

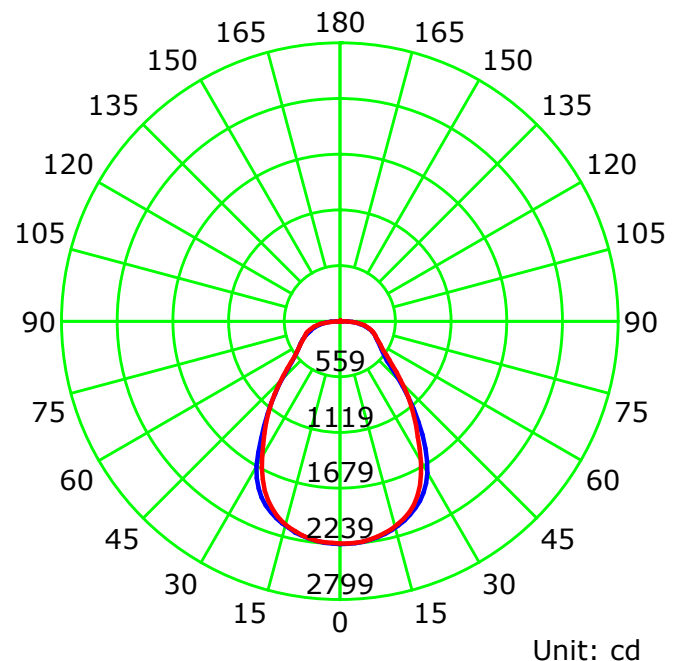
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.10

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

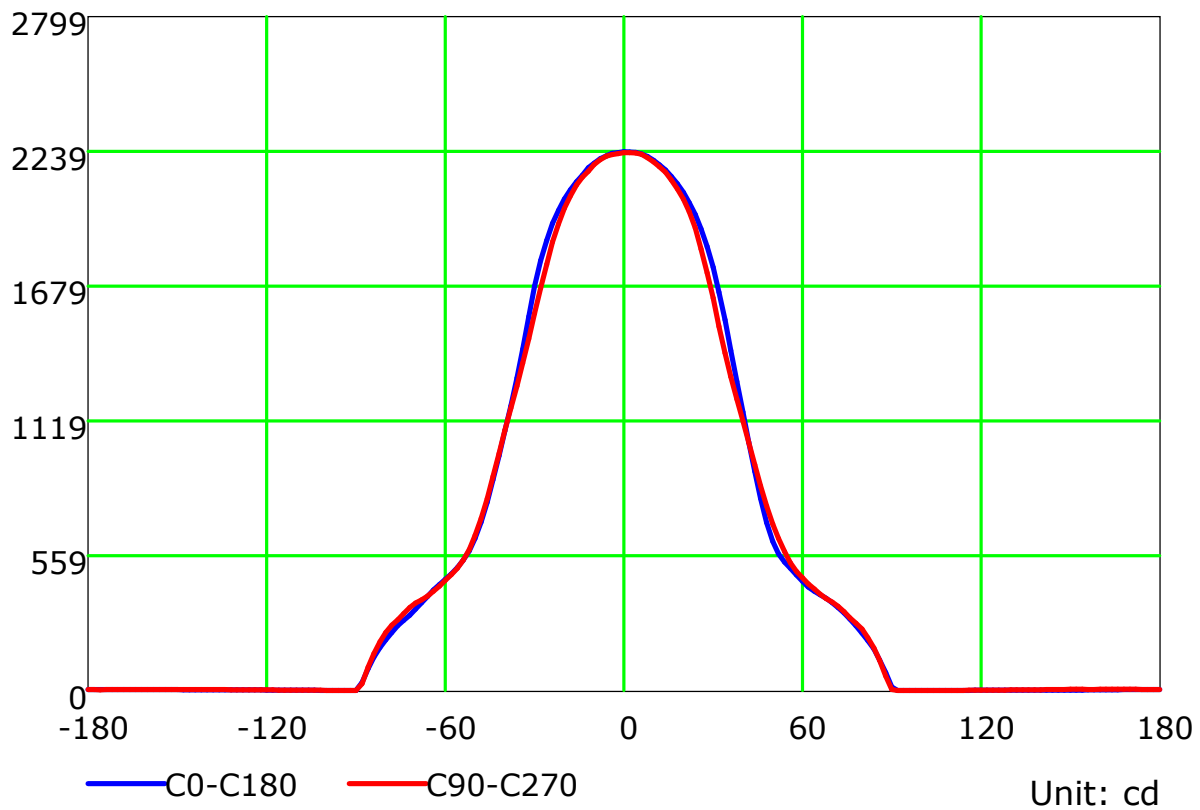
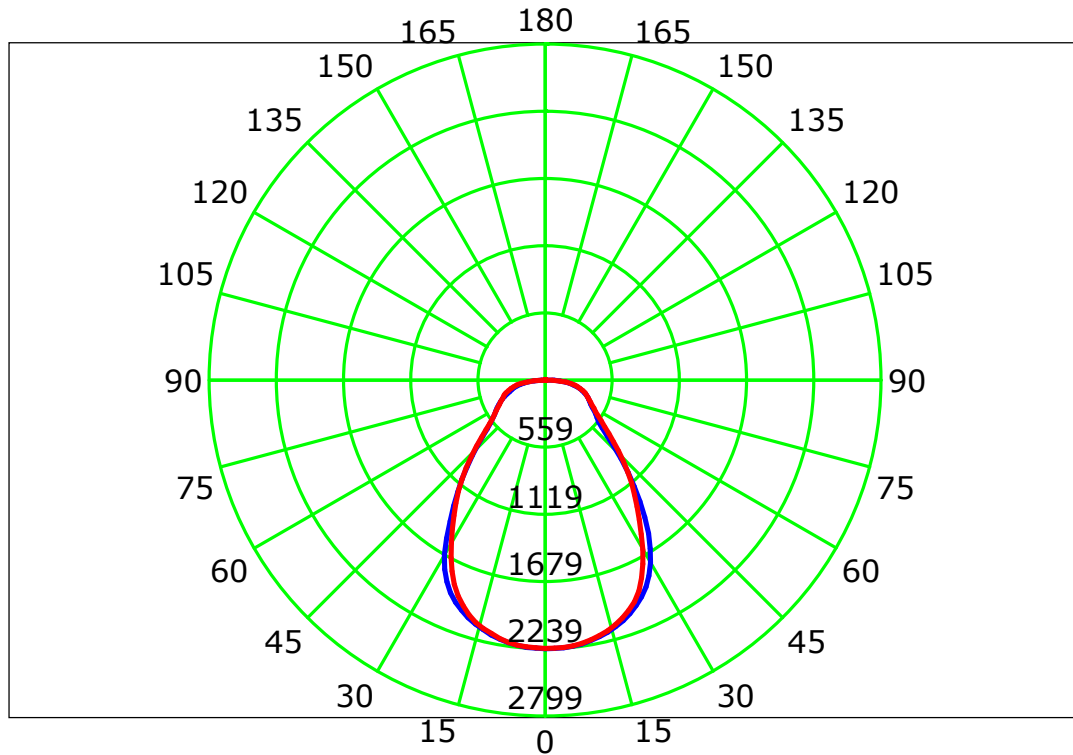
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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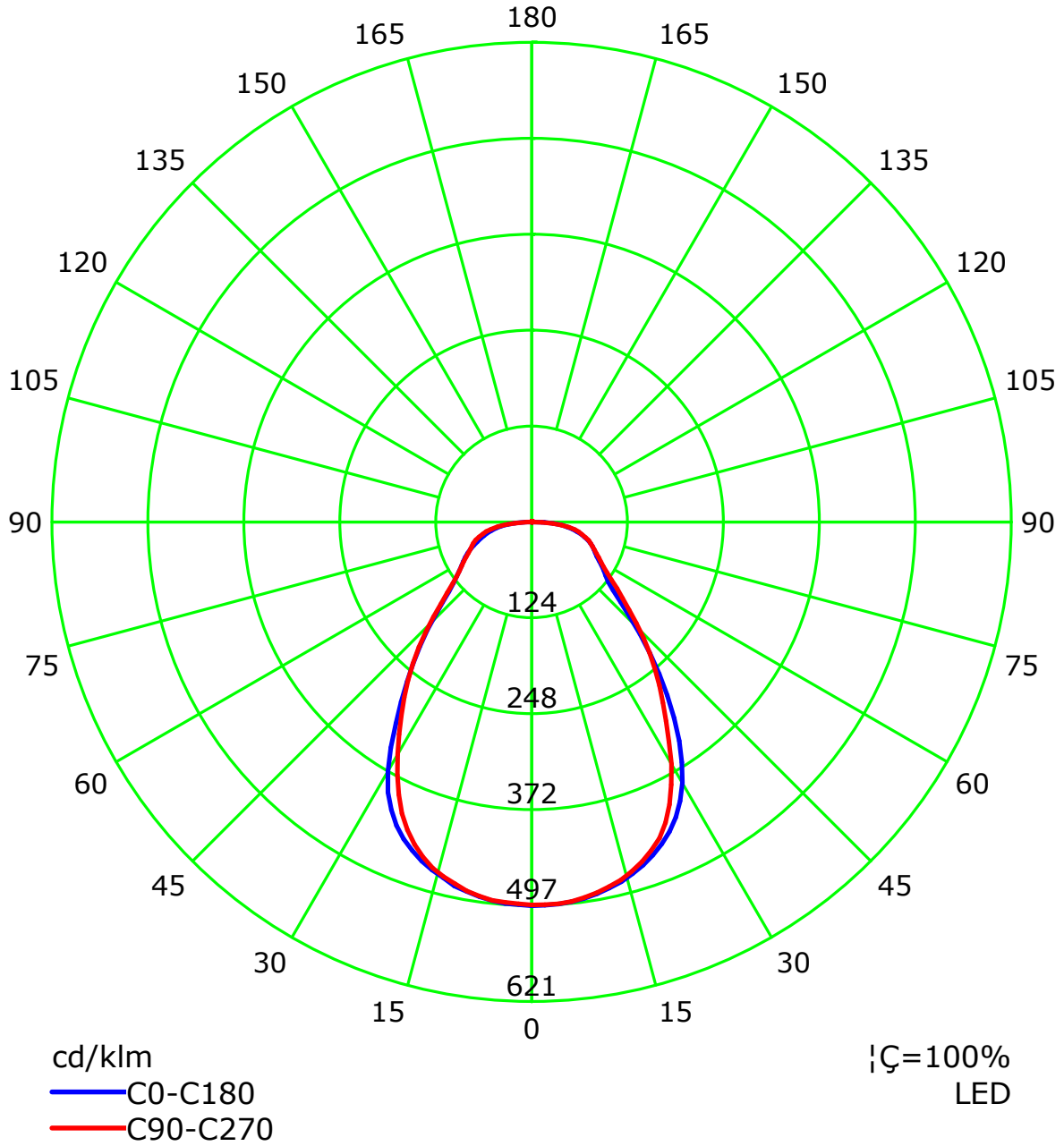
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Temperature:

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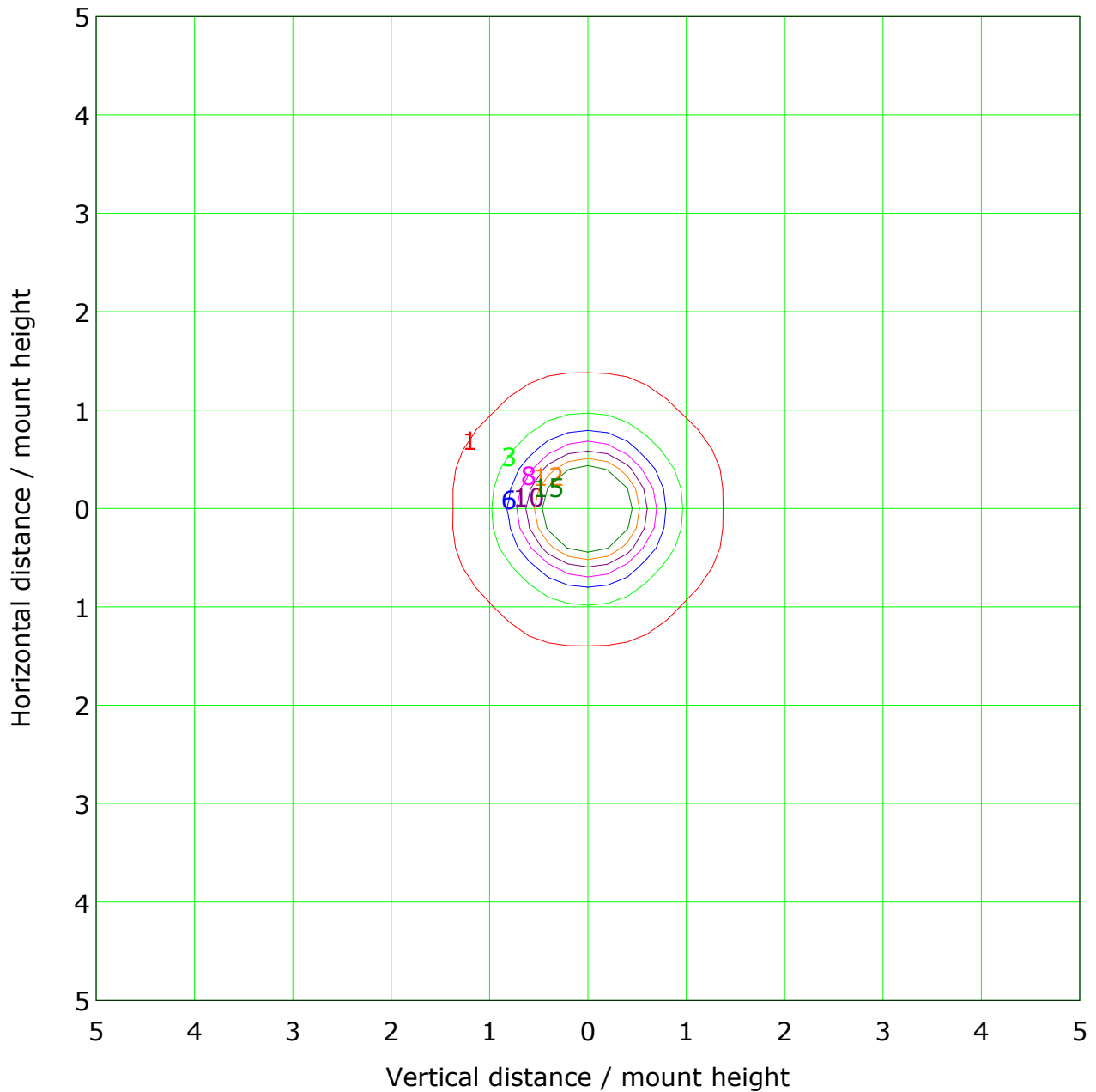
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 22.4 lx	
(5%):	1.1 lx	(15%):	3.4 lx
(25%):	5.6 lx	(35%):	7.8 lx
(45%):	10.1 lx	(55%):	12.3 lx
(65%):	14.6 lx		

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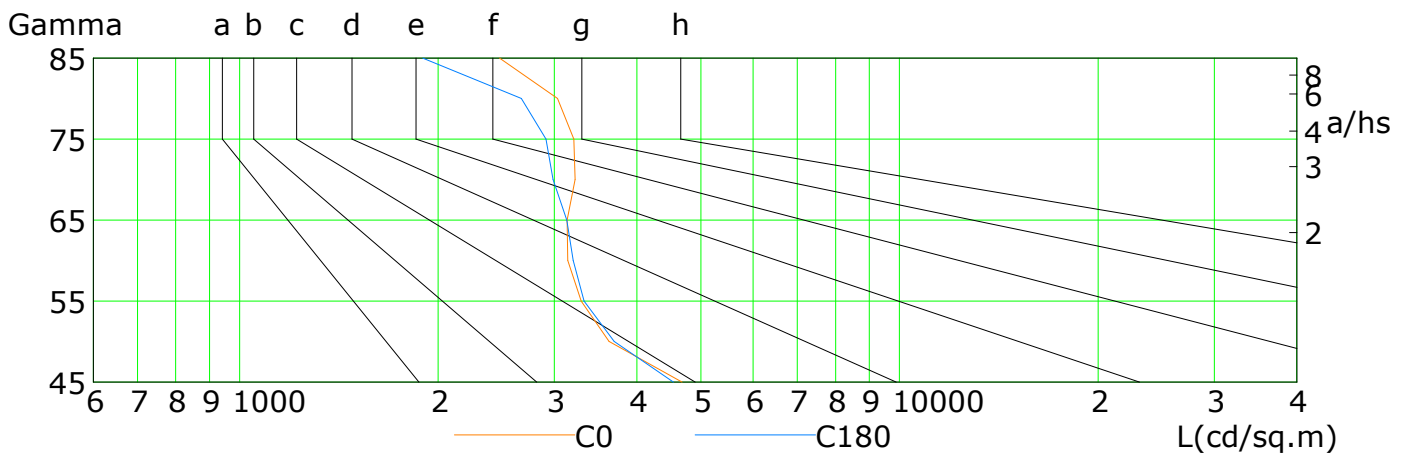
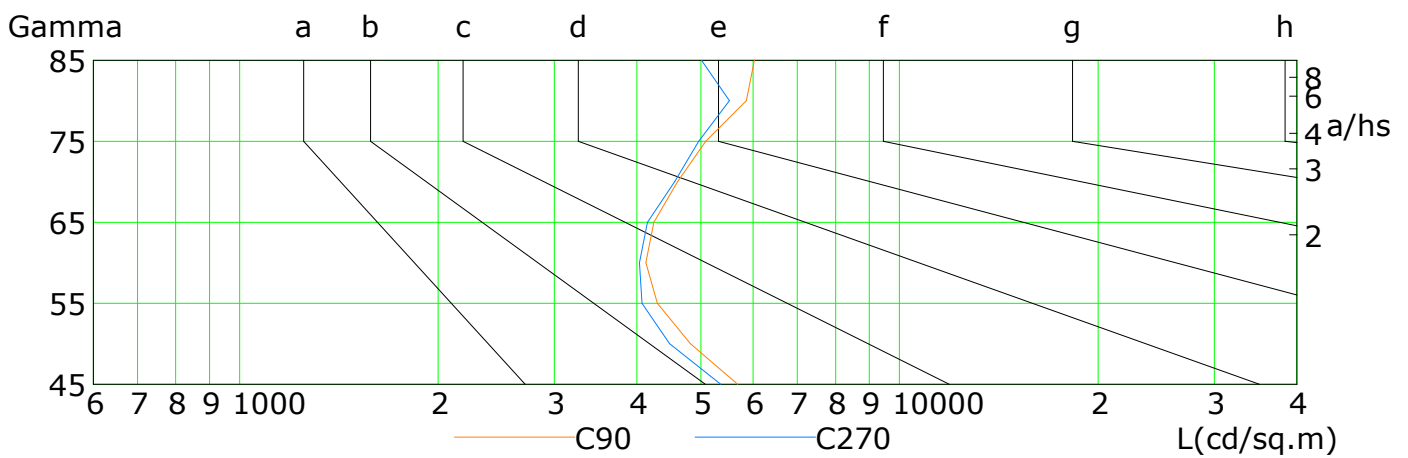
Humidity:

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	4684	3631	3292	3144	3134	3226	3209	3034	2477
C90	5689	4822	4295	4129	4243	4608	5086	5859	6026
C180	4544	3695	3328	3201	3132	2985	2912	2674	1895
C270	5362	4483	4071	4038	4152	4563	4961	5523	5014

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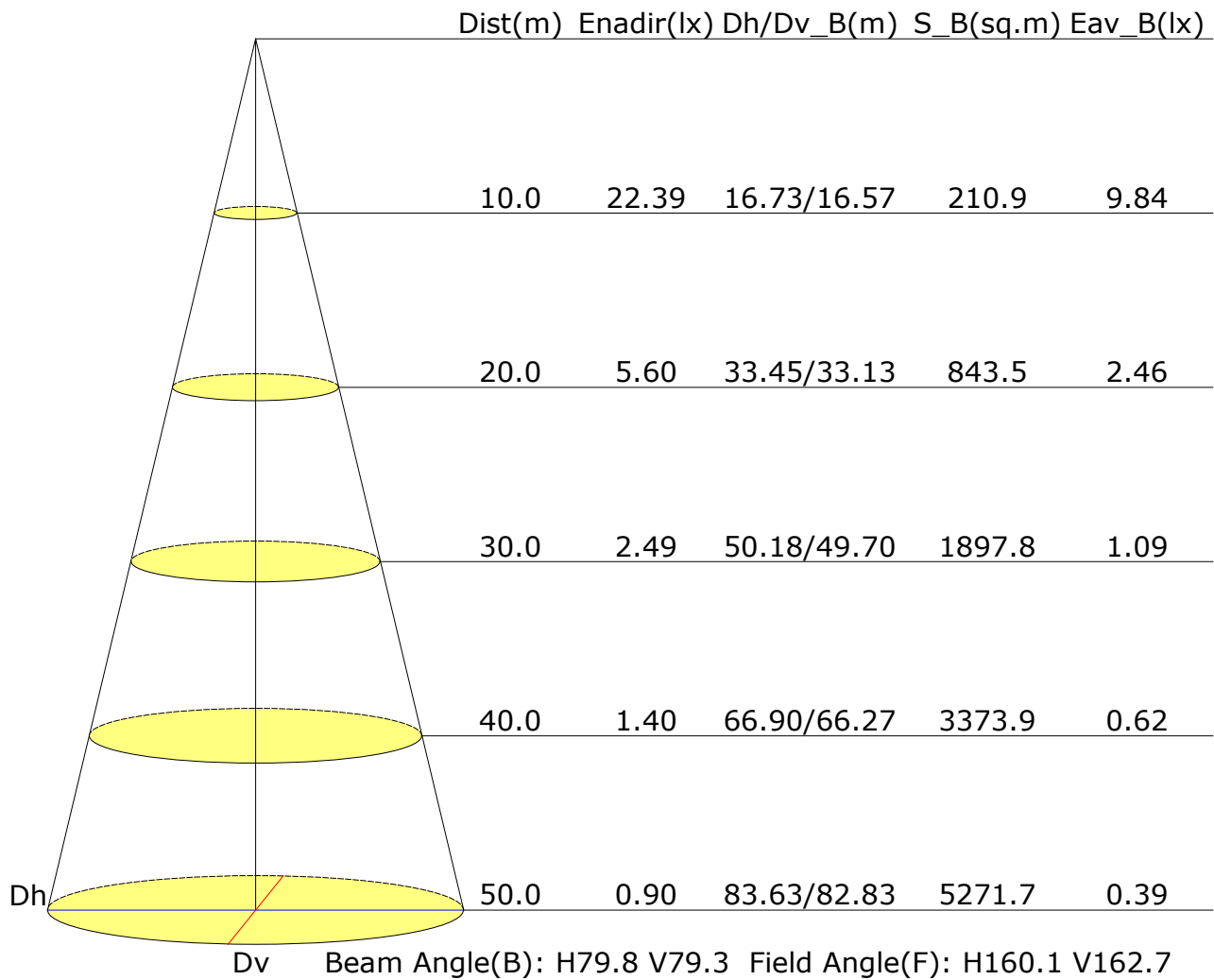
Test Device: LSG-1800B

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: