

Report No.: 1

Test Time: 10.05.2018 16:01

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 180 18LED 0,3A 36W 5000K

Lamp Description: LED

Luminous Width (mm): 180

Voltage: 231.6 V

Power: 35.89 W

Luminous Length (mm): 1200

Luminous Height (mm): 35

Current: 0.160 A

Power Factor: 0.962

Photometric Results

CIE Class: Direct

Measurement Flux: 4148.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.2, 162.7, 154.2, 154.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.9, 79.5, 77.3, 77.3

Luminaire Efficacy Rating (LER): 115.63

Max. Intensity: 2104.87 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 4148.1 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2099.26 cd

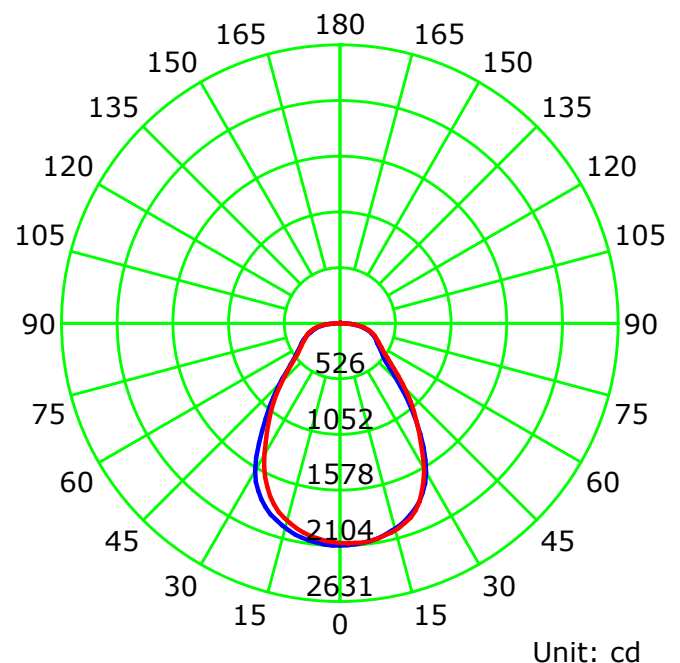
Pos of Max. Intensity: H22.5 V0

S/MH(C90/C270): 1.11

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

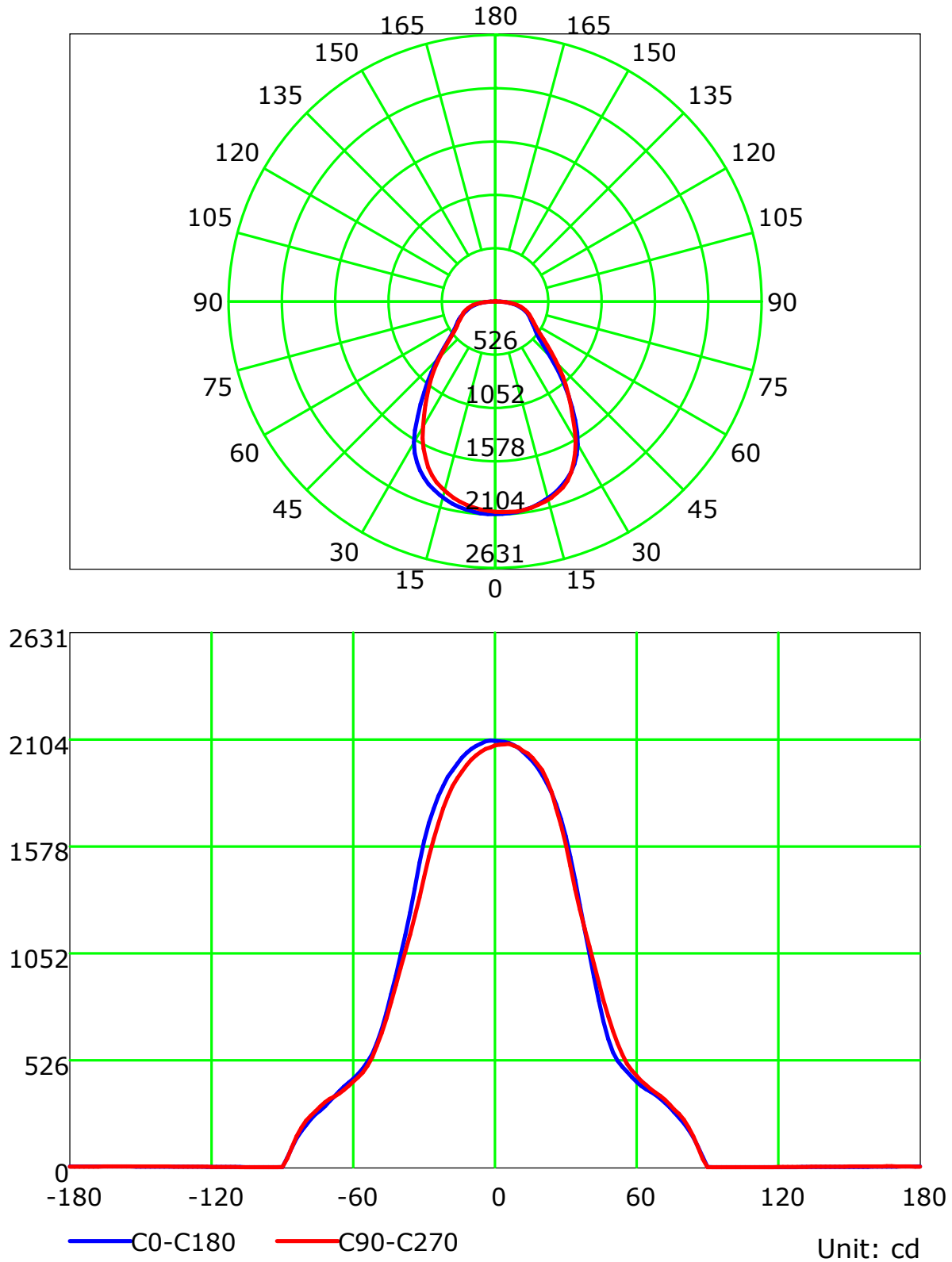
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

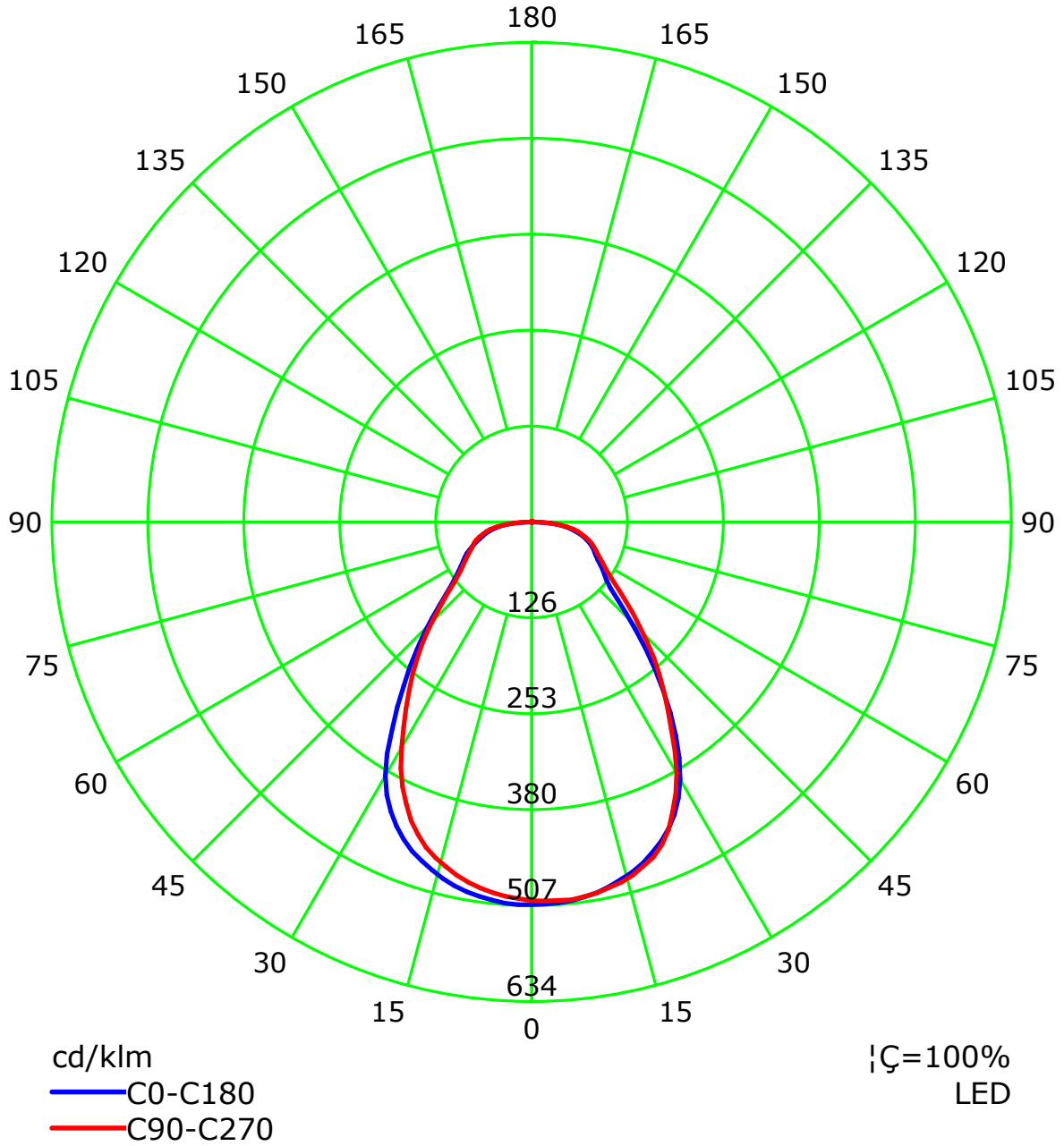
Test Device: LSG-1800B

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

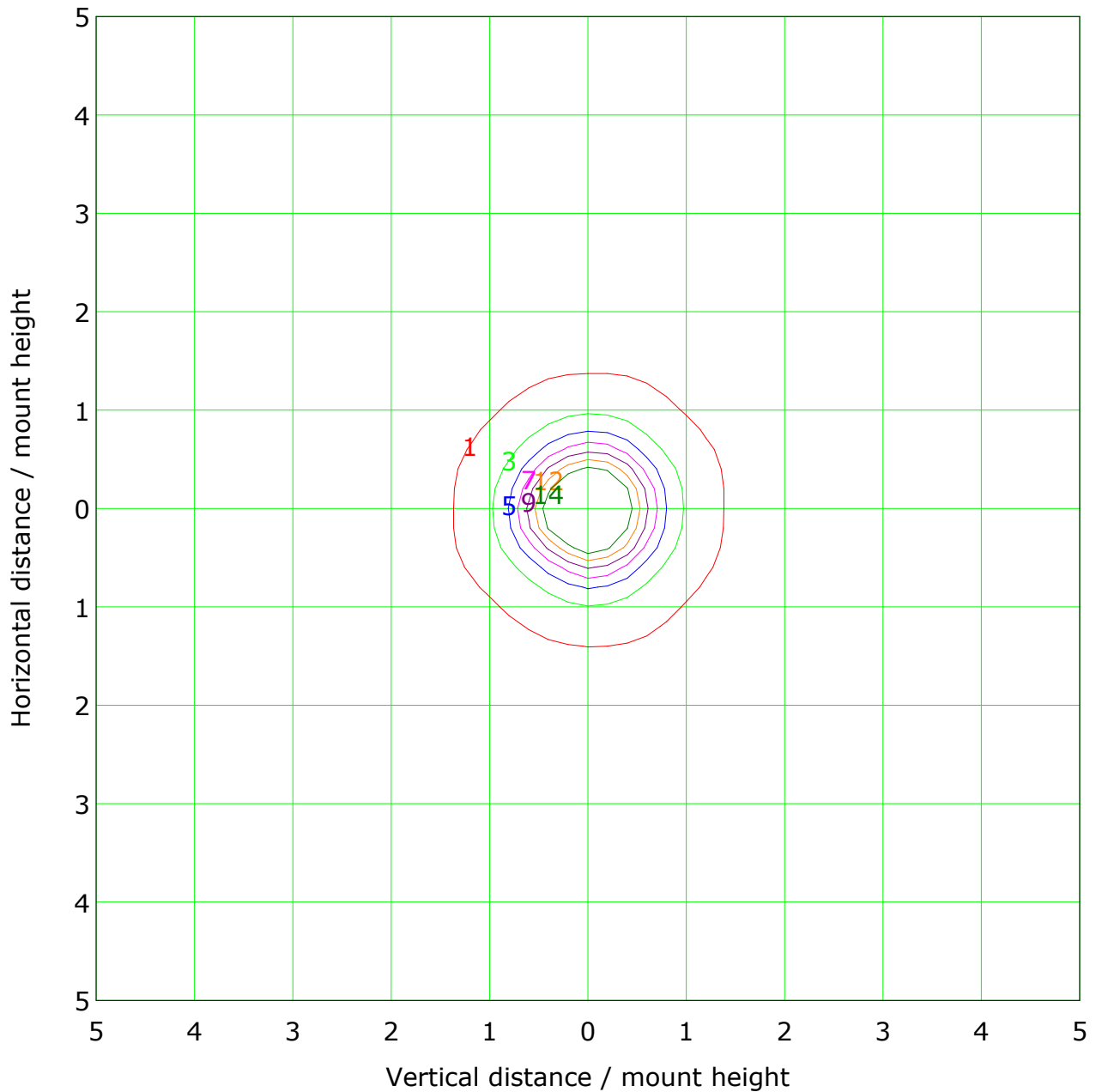
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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Test Device: LSG-1800B

Distance: 12.654 m

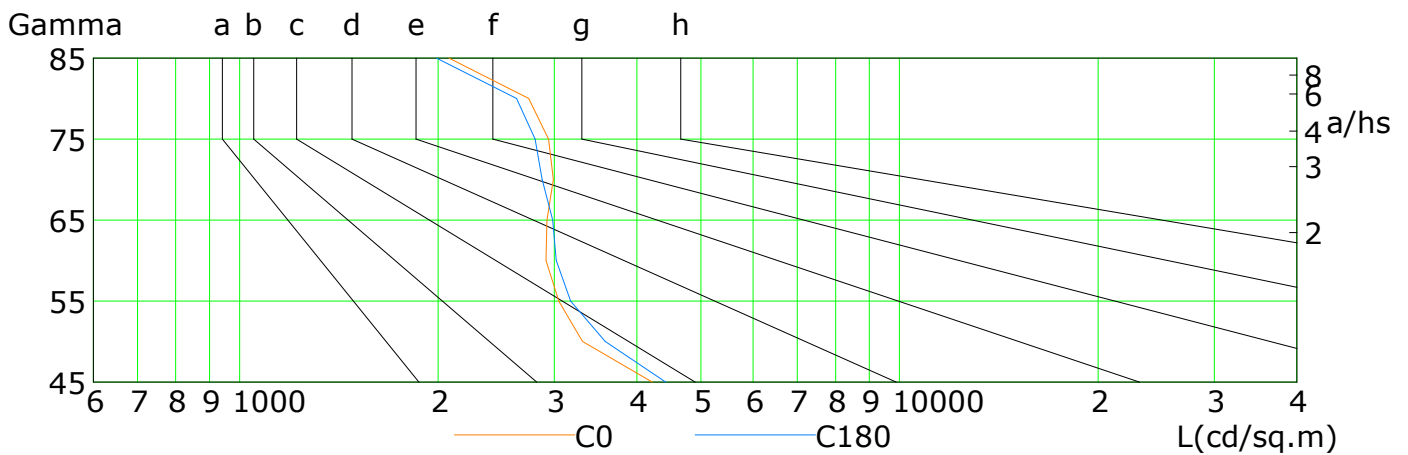
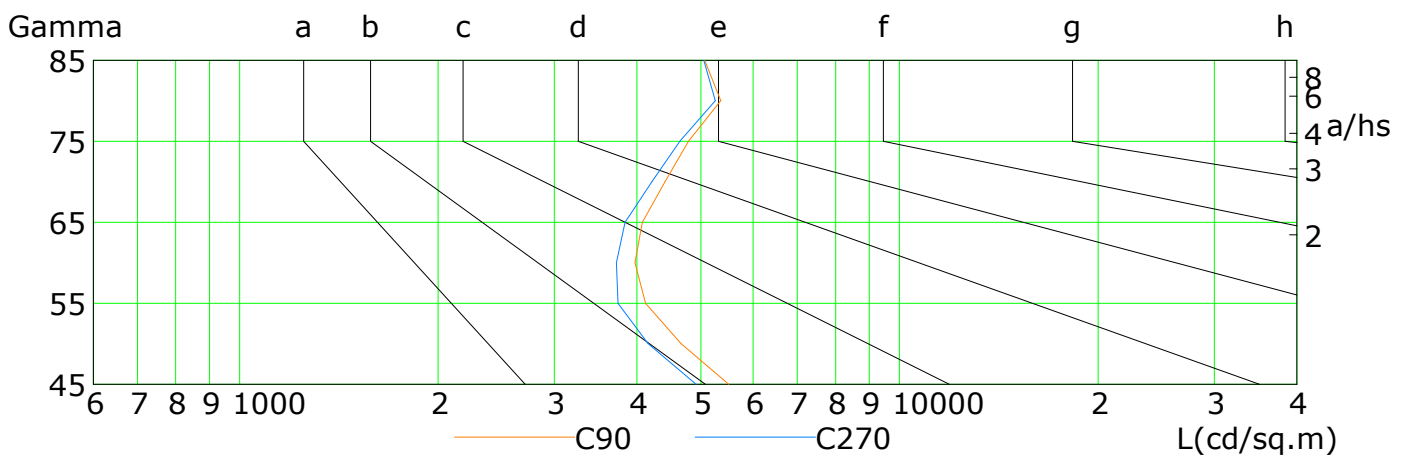
Humidity:

Inspector:

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	4221	3309	3045	2912	2924	2988	2940	2742	2076
C90	5514	4668	4121	3975	4079	4414	4789	5362	5068
C180	4421	3581	3175	3018	2983	2875	2805	2627	1989
C270	4916	4161	3746	3723	3838	4214	4648	5258	5052

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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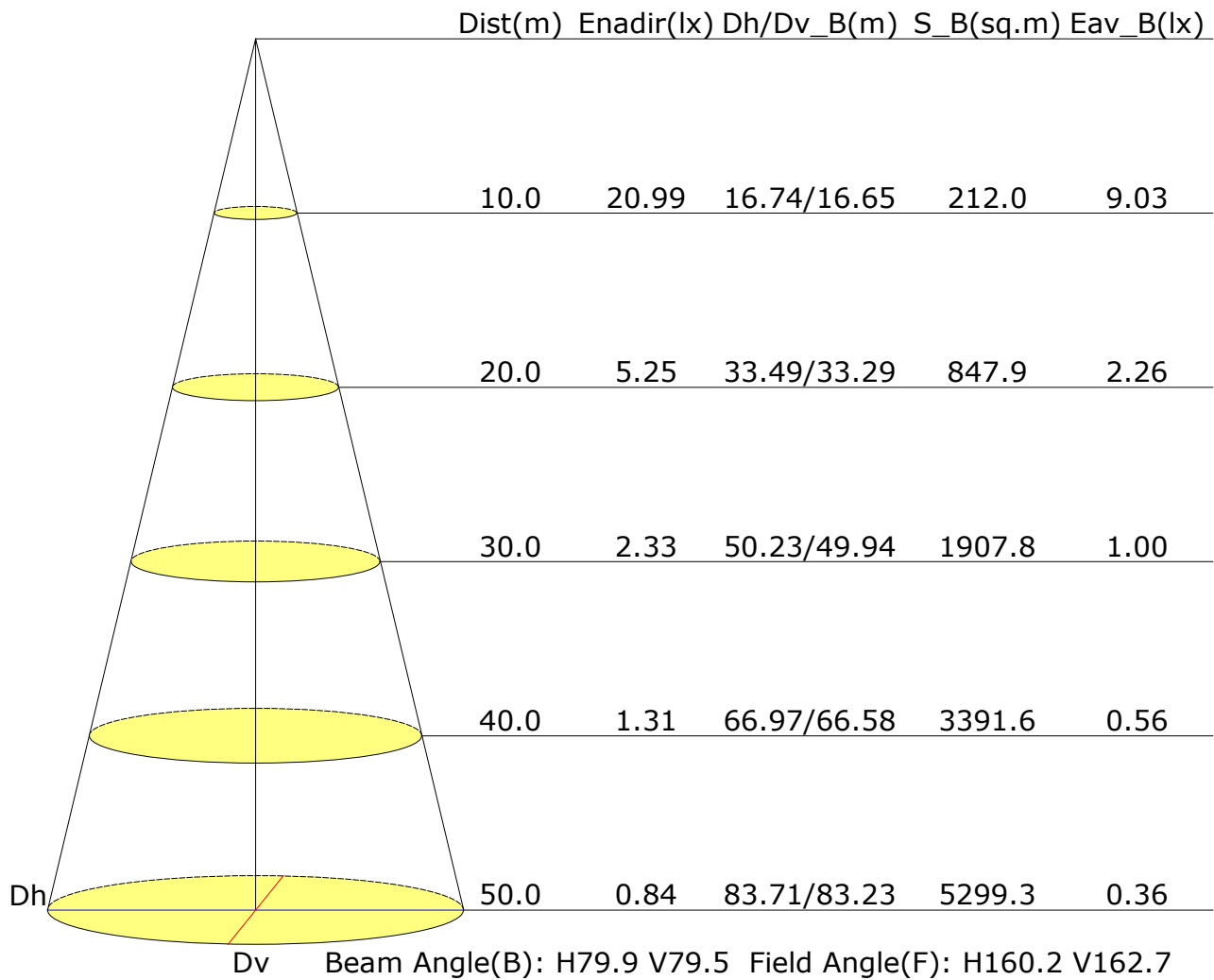
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: