

Report No.: 1

Test Time: 07.05.2018 15:45

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 595 24LED 0,4A 26.5W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Width (mm): 35

Voltage: 230.9 V

Power: 24.15 W

Luminous Length (mm): 595

Luminous Height (mm): 595

Current: 0.106 A

Power Factor: 0.984

Photometric Results

CIE Class: Direct

Measurement Flux: 3298.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.8, 159.7, 154.8, 154.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 81.0, 79.5, 77.9, 77.8

Luminaire Efficacy Rating (LER): 136.63

Max. Intensity: 1625.08 cd

S/MH(C0/C180): 1.14

Total Rated Lamp Lumens: 3298.4 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1625.08 cd

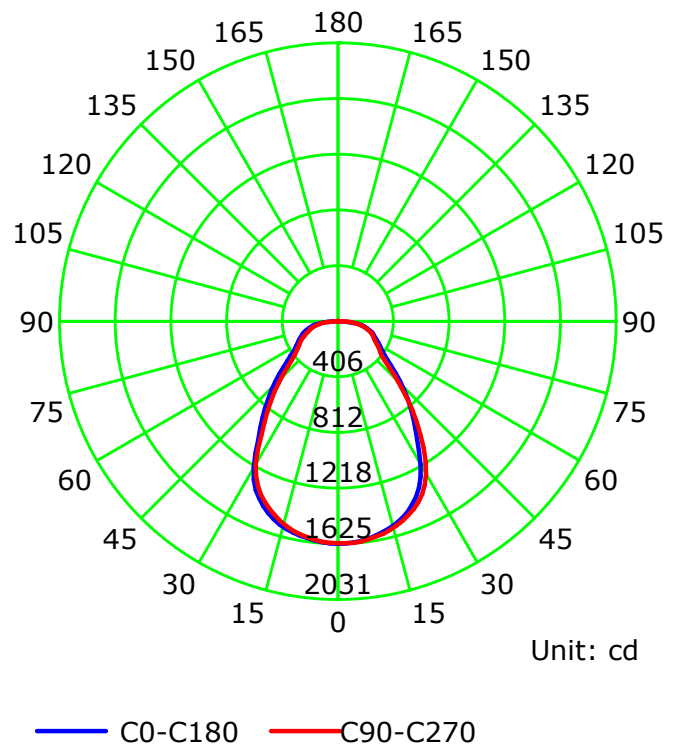
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.15

Picture Of Luminaire



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

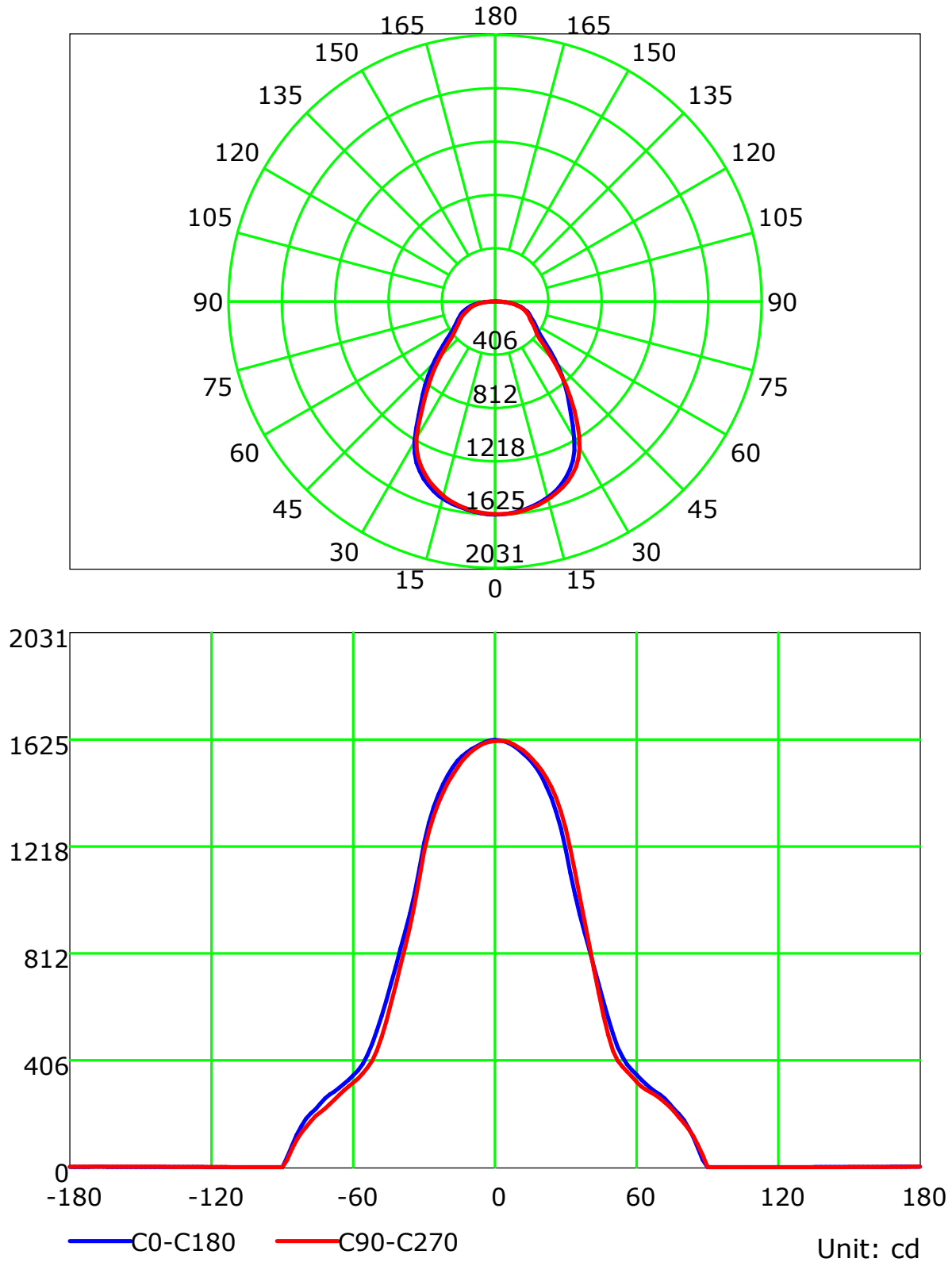
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

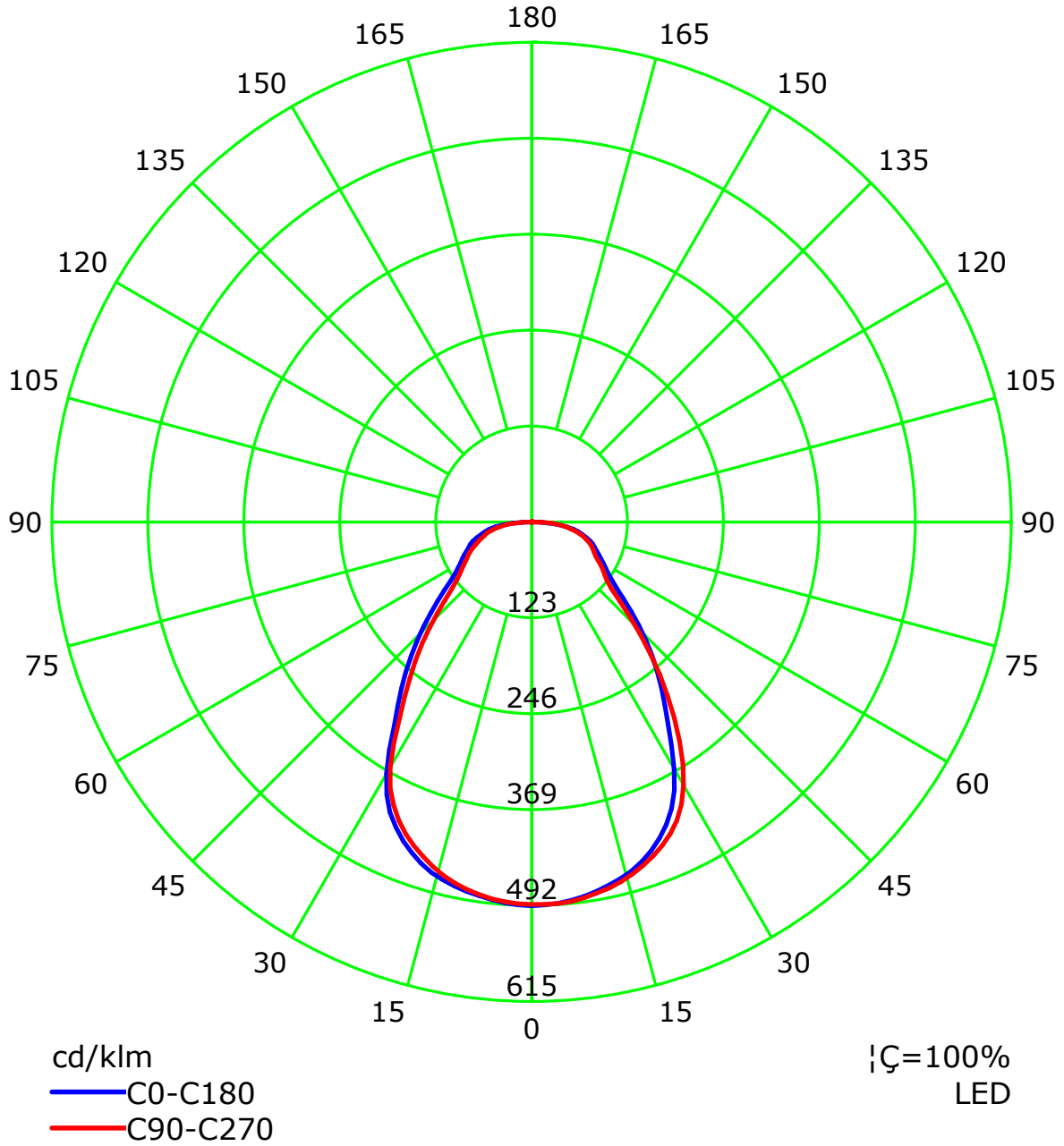
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

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Temperature:

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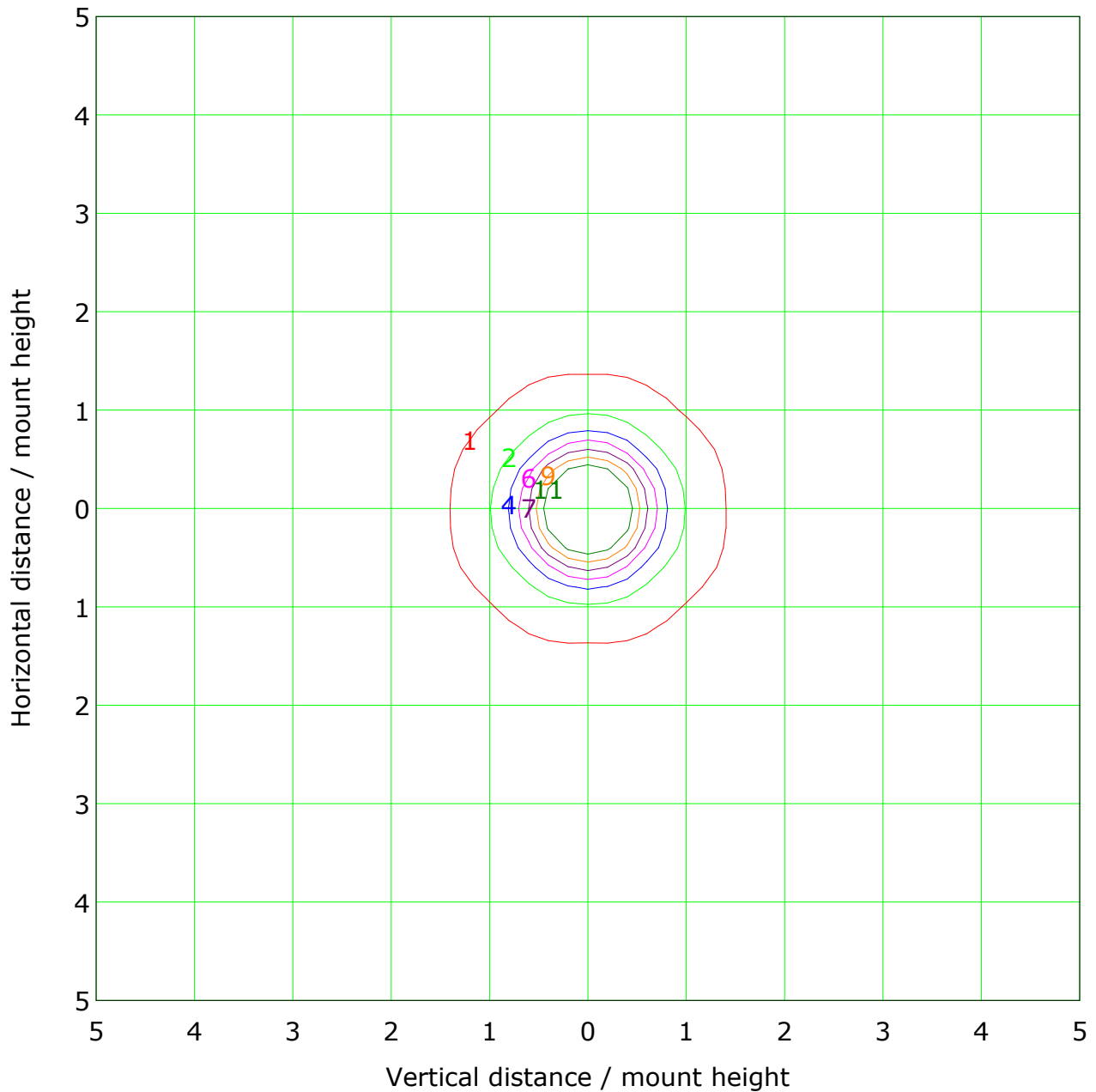
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 16.3 lx	
(5%):	0.8 lx	(15%):	2.4 lx
(25%):	4.1 lx	(35%):	5.7 lx
(45%):	7.3 lx	(55%):	8.9 lx
(65%):	10.6 lx		

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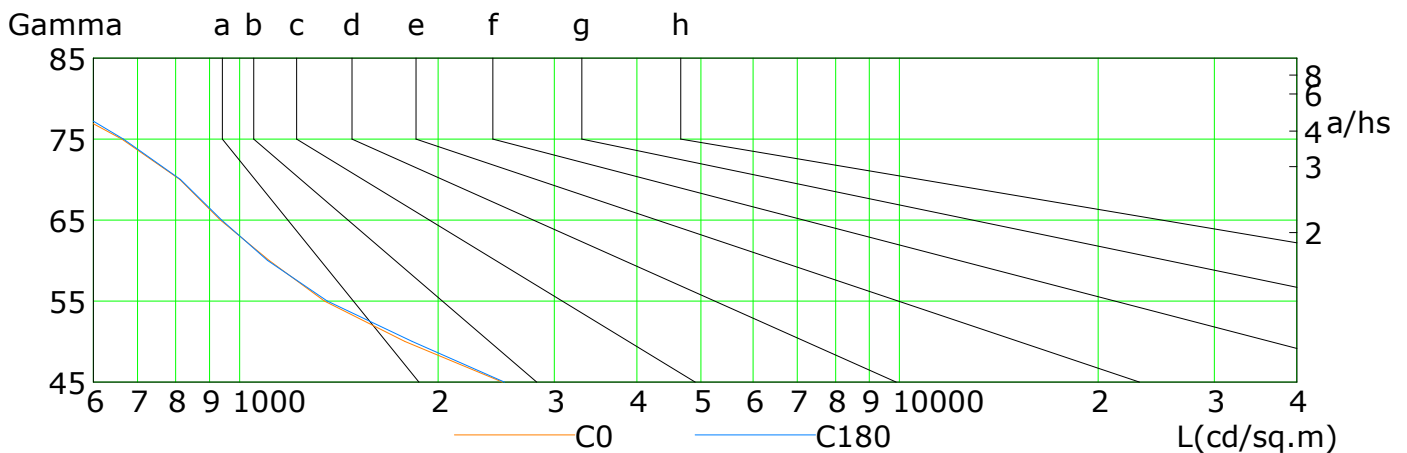
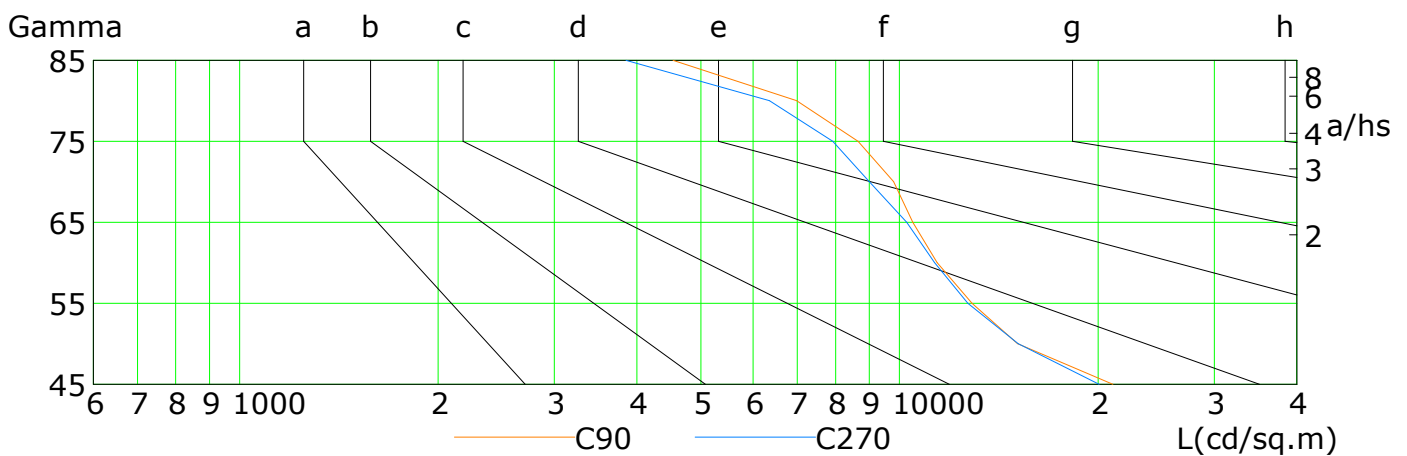
Humidity:

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	2502	1781	1344	1109	935	812	663	512	266
C90	21048	15087	12885	11411	10475	9793	8655	6986	4537
C180	2520	1827	1358	1103	940	814	667	526	290
C270	20061	15121	12689	11302	10256	8997	7925	6353	3853

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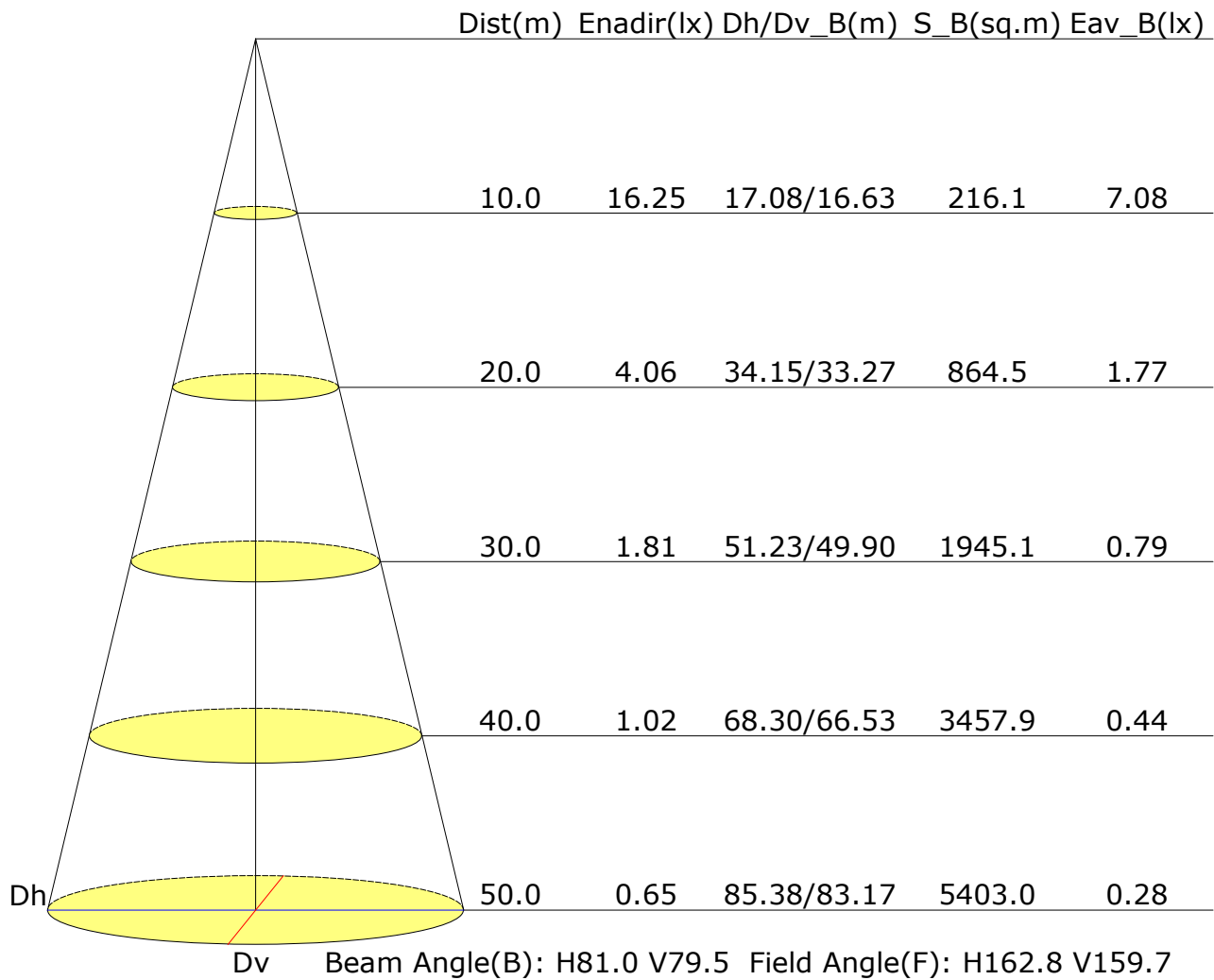
Test Device: LSG-1800B

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: