

Report No.: 5

Test Time: 08.02.2018 12:08

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 60W refond 32-34,5Lm 5000K opal

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 231.0 V

Power: 61.47 W

Luminous Length (mm): 1550

Luminous Height (mm): 80

Current: 0.275 A

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Measurement Flux: 7474.2 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.8, 163.4, 164.1, 164.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.5, 109.0, 109.6, 109.7

Luminaire Efficacy Rating (LER): 121.64

Max. Intensity: 2653.87 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 7474.2 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2653.57 cd

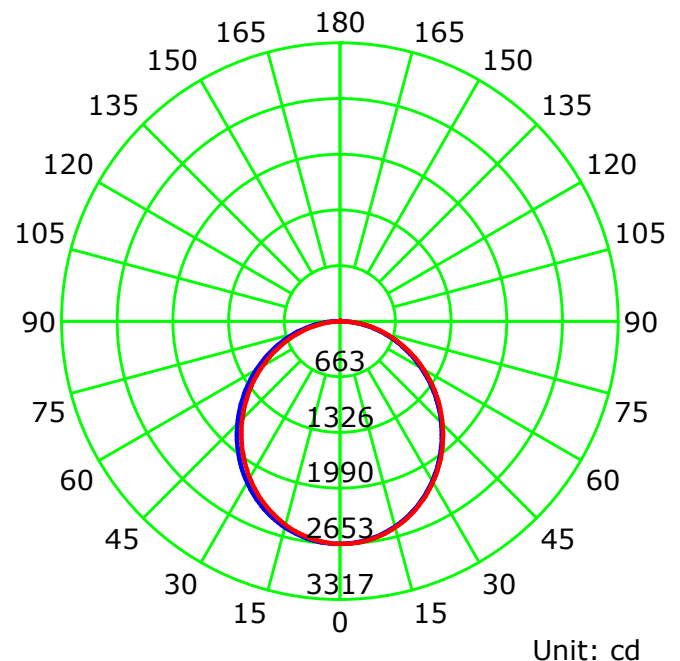
Pos of Max. Intensity: H15 V0

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

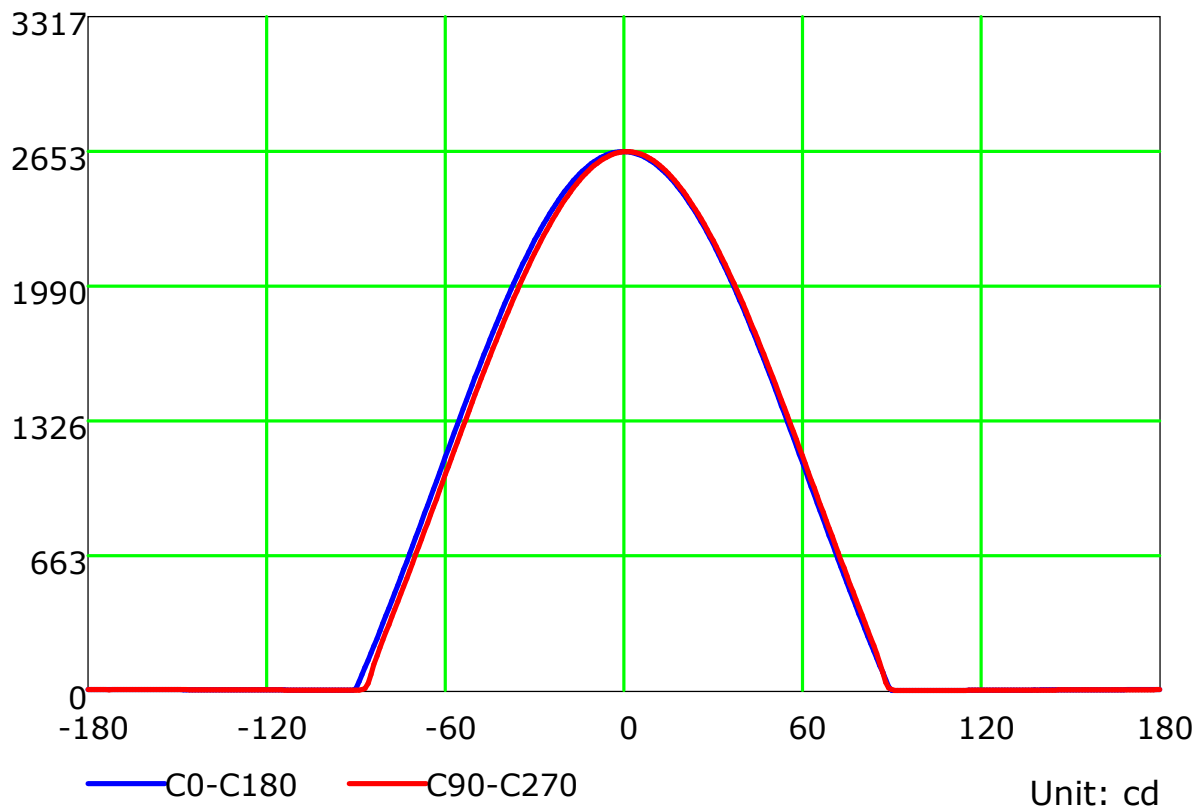
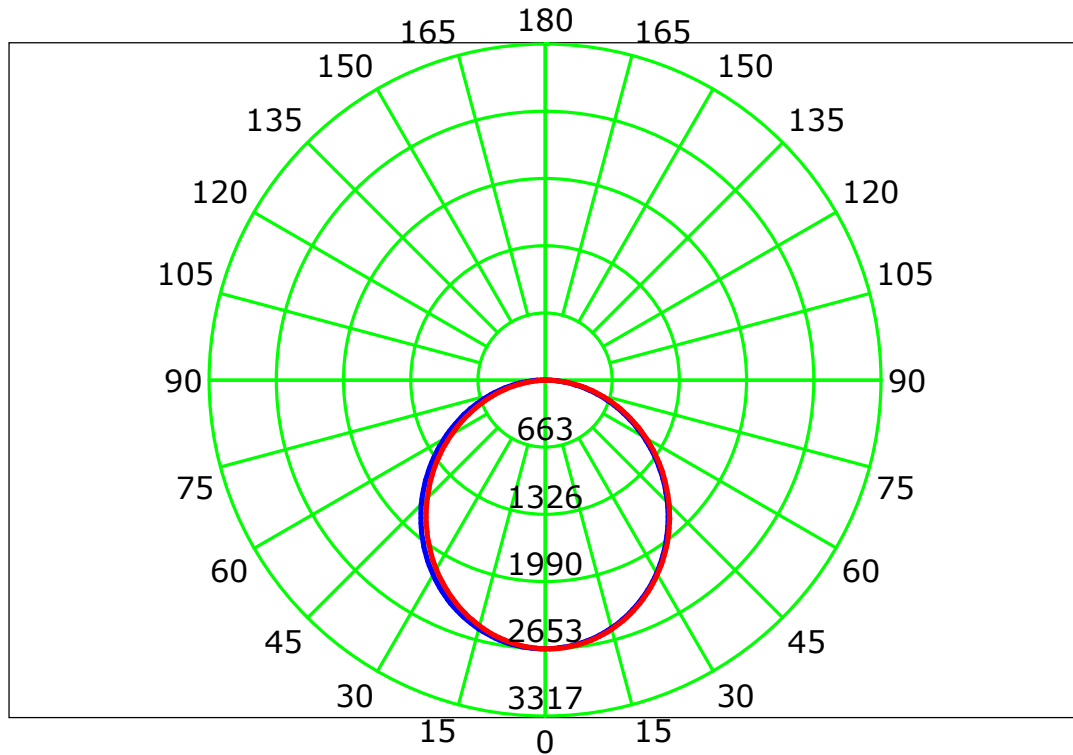
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

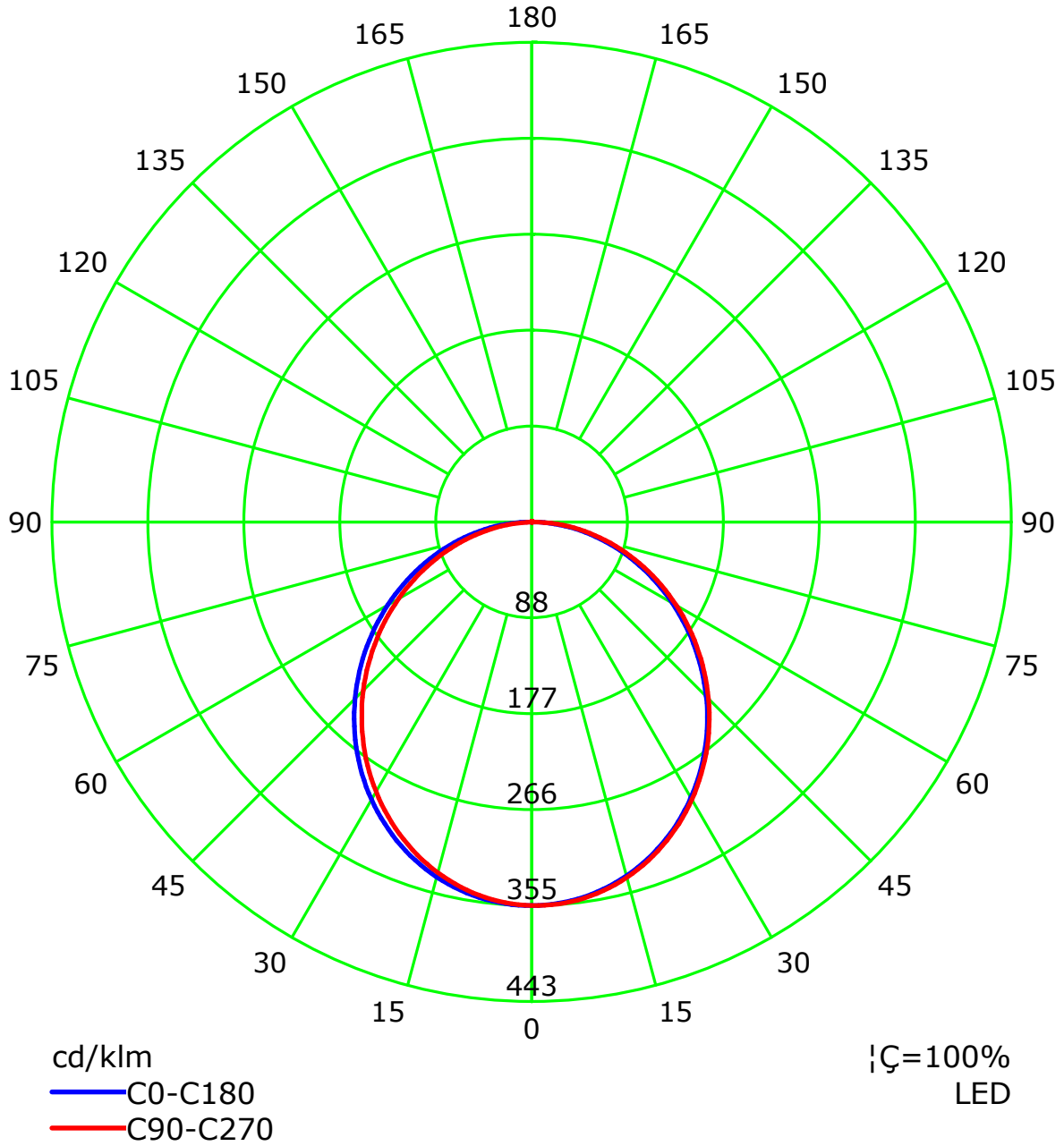
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

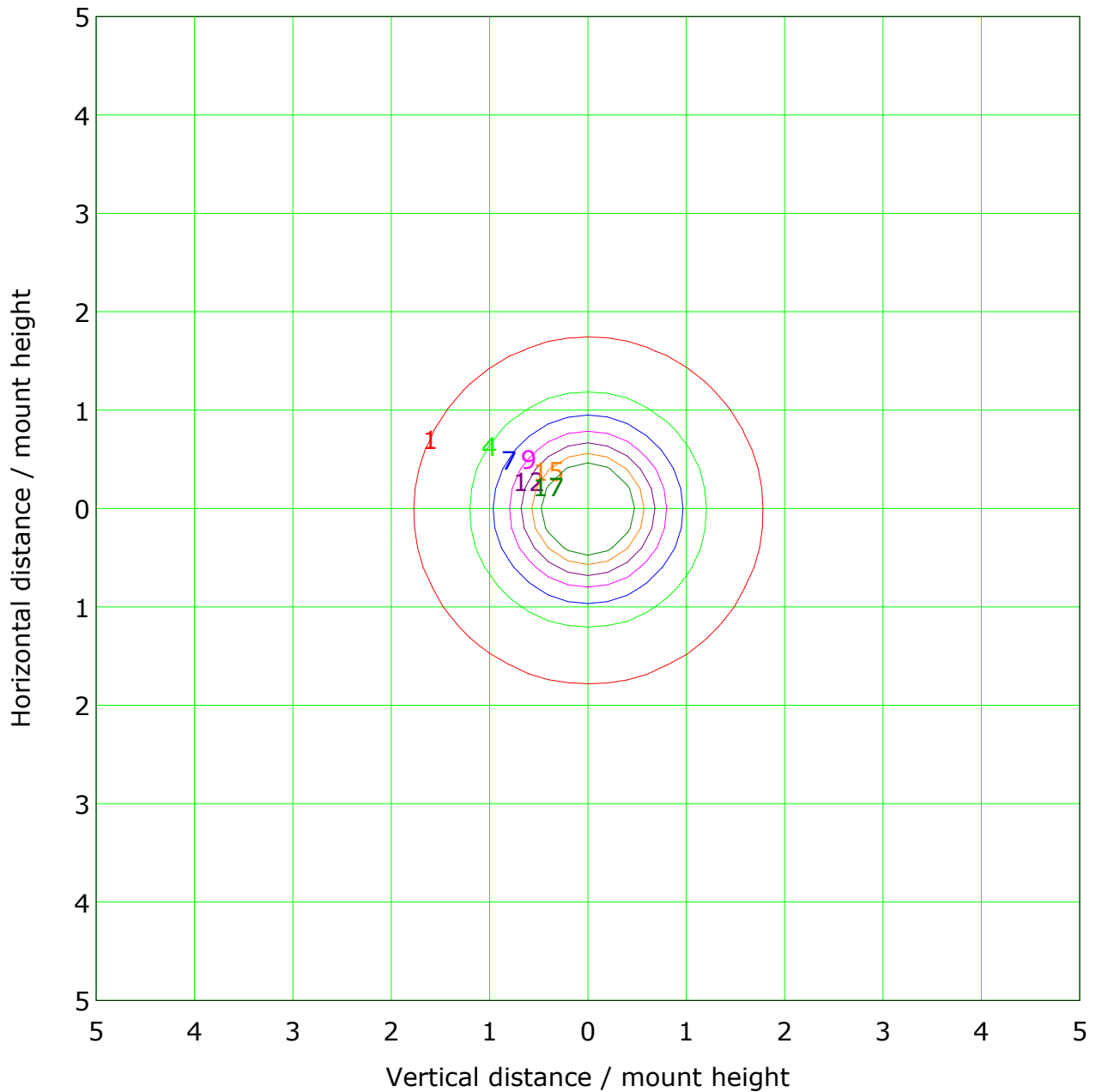
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 26.5 lx	
(5%):	1.3 lx	(15%):	4.0 lx
(25%):	6.6 lx	(35%):	9.3 lx
(45%):	11.9 lx	(55%):	14.6 lx
(65%):	17.3 lx		

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

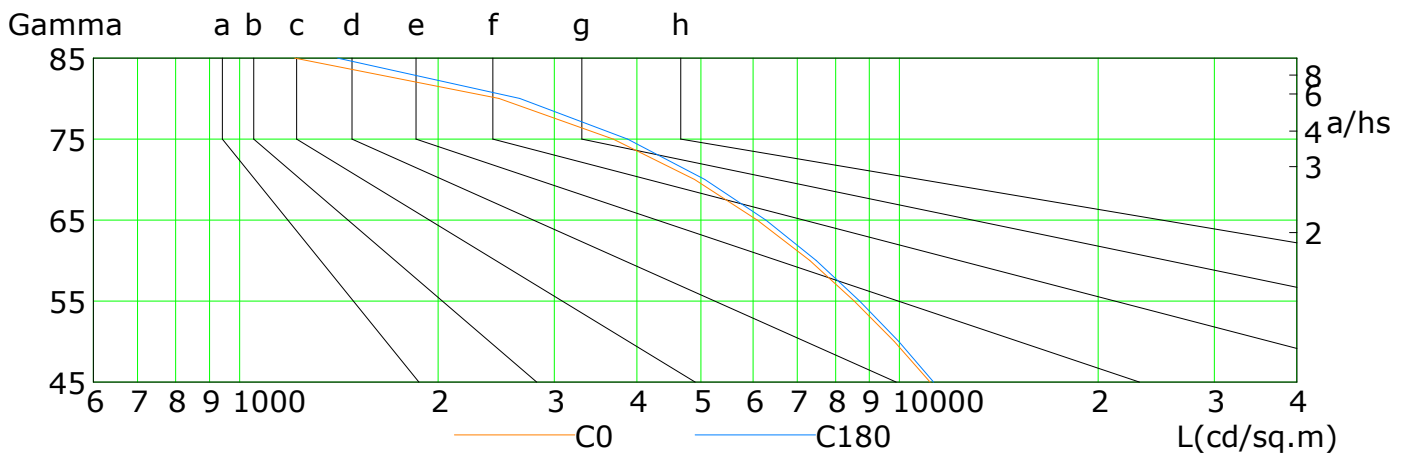
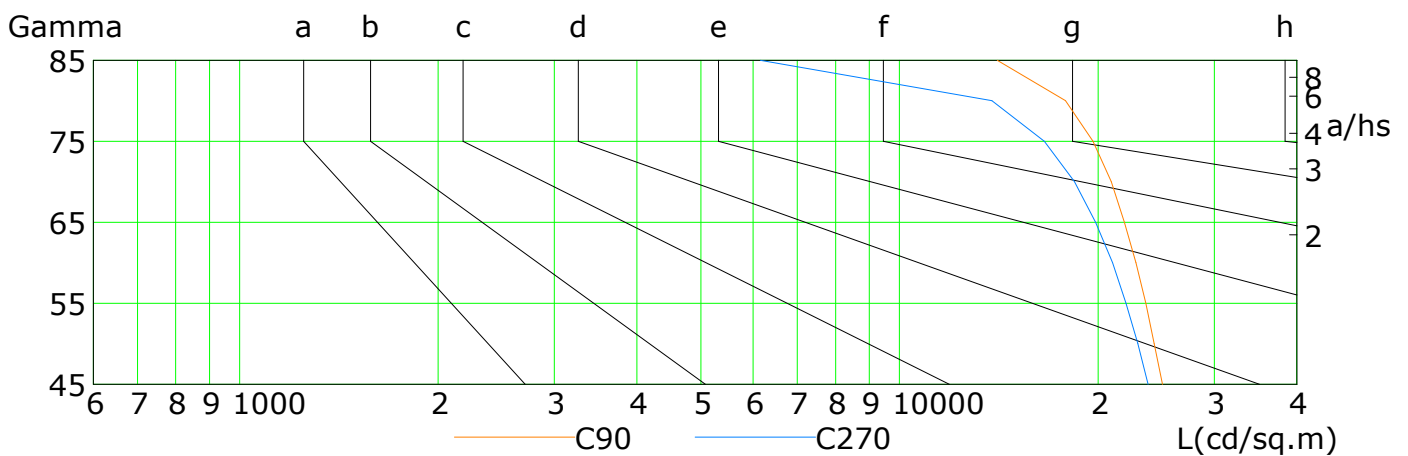
Humidity:

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	11129	9818	8543	7308	6088	4890	3682	2472	1213
C90	25025	24327	23620	22824	21929	20931	19655	17839	14074
C180	11269	9970	8700	7480	6272	5070	3872	2659	1408
C270	23821	22976	22044	21026	19834	18405	16579	13800	6154

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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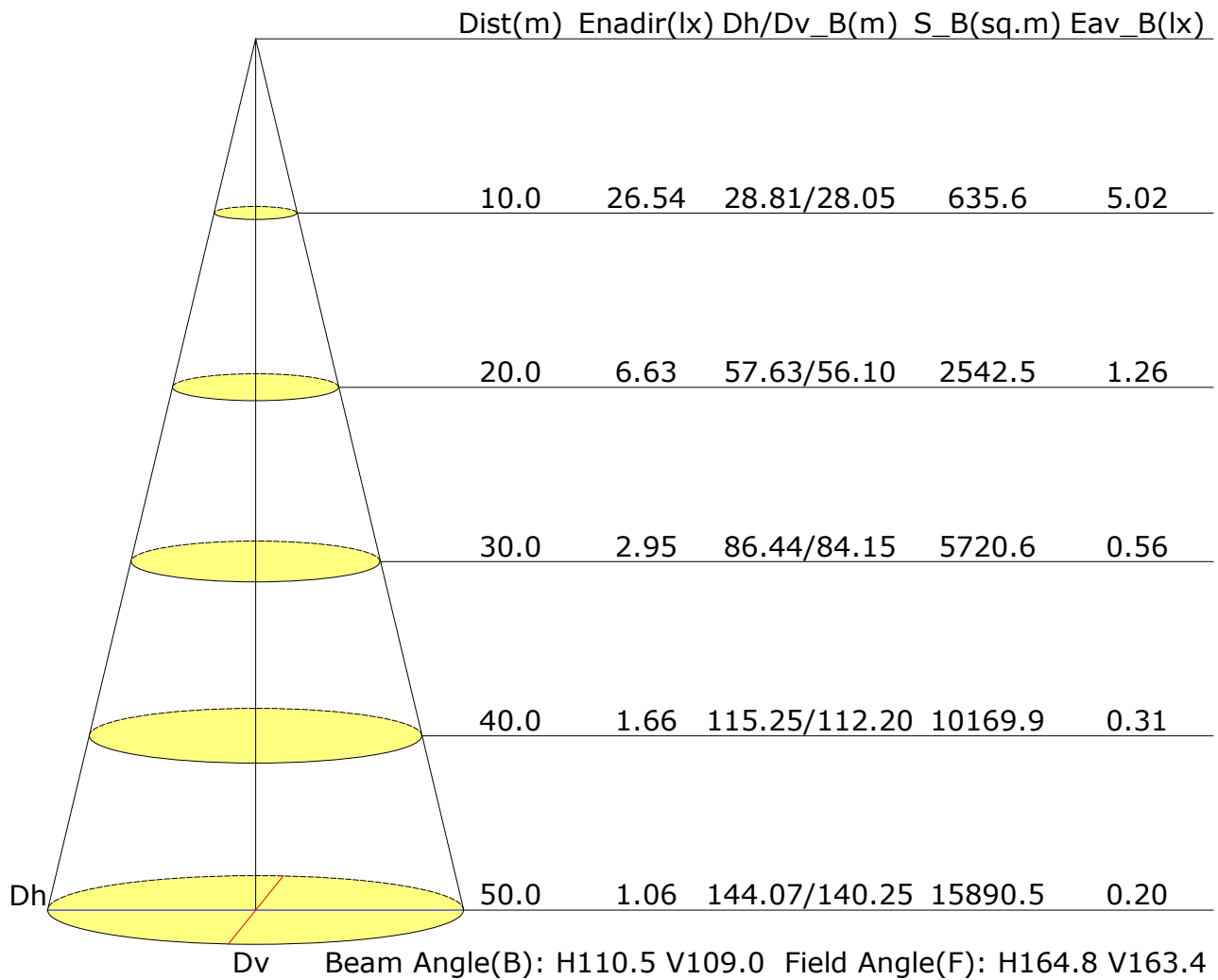
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: