

Report No.: 1

Test Time: 20.08.2018 17:45

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 60 0,45A 45W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 220.7 V

Power: 42.11 W

Luminous Length (mm): 1550

Luminous Height (mm): 80

Current: 0.192 A

Power Factor: 0.989

Photometric Results

CIE Class: Direct

Measurement Flux: 4925.9 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.8, 162.2, 162.5, 162.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.4, 111.5, 111.7, 111.9

Luminaire Efficacy Rating (LER): 117.03

Max. Intensity: 1732.85 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 4925.9 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1725.8 cd

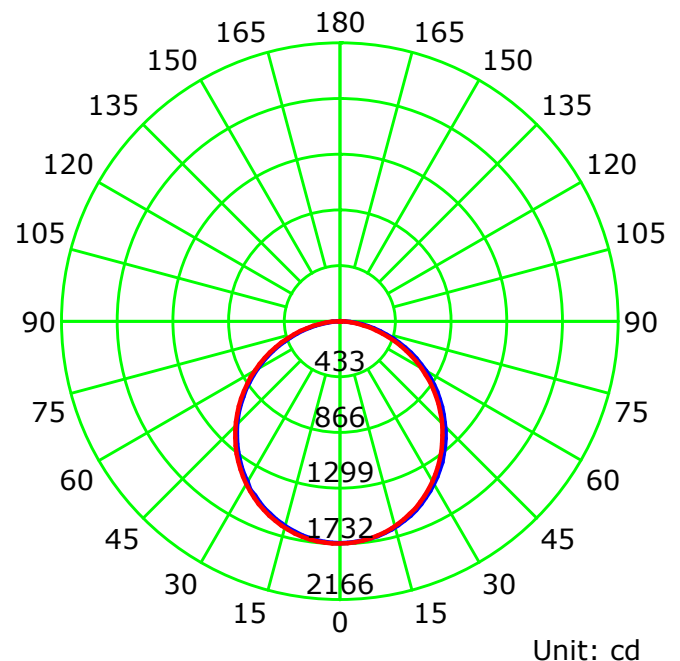
Pos of Max. Intensity: H112.5 V0

S/MH(C90/C270): 1.25

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

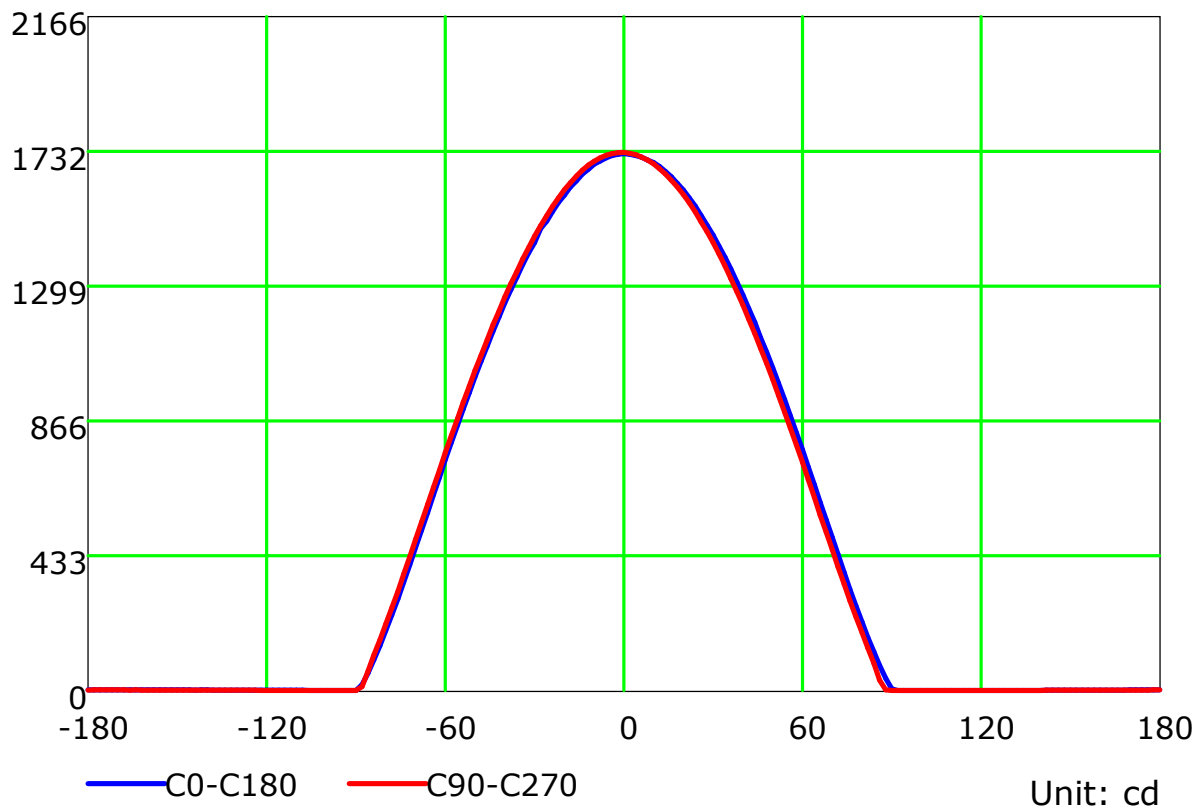
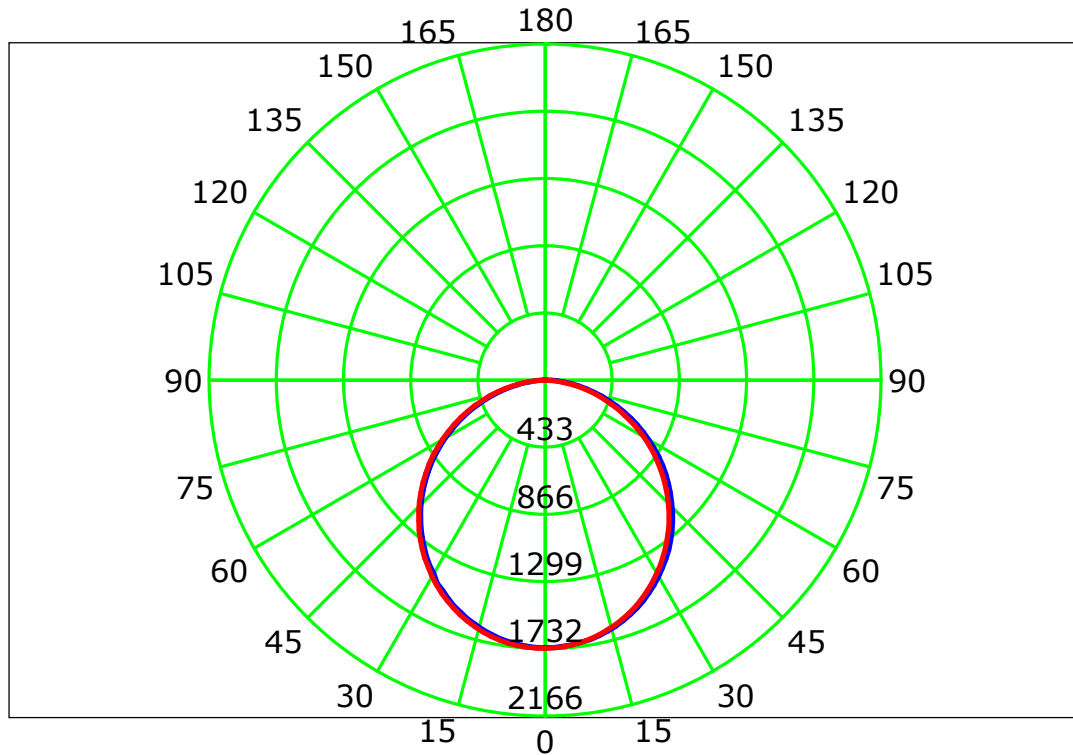
Test Device: LSG-1800B

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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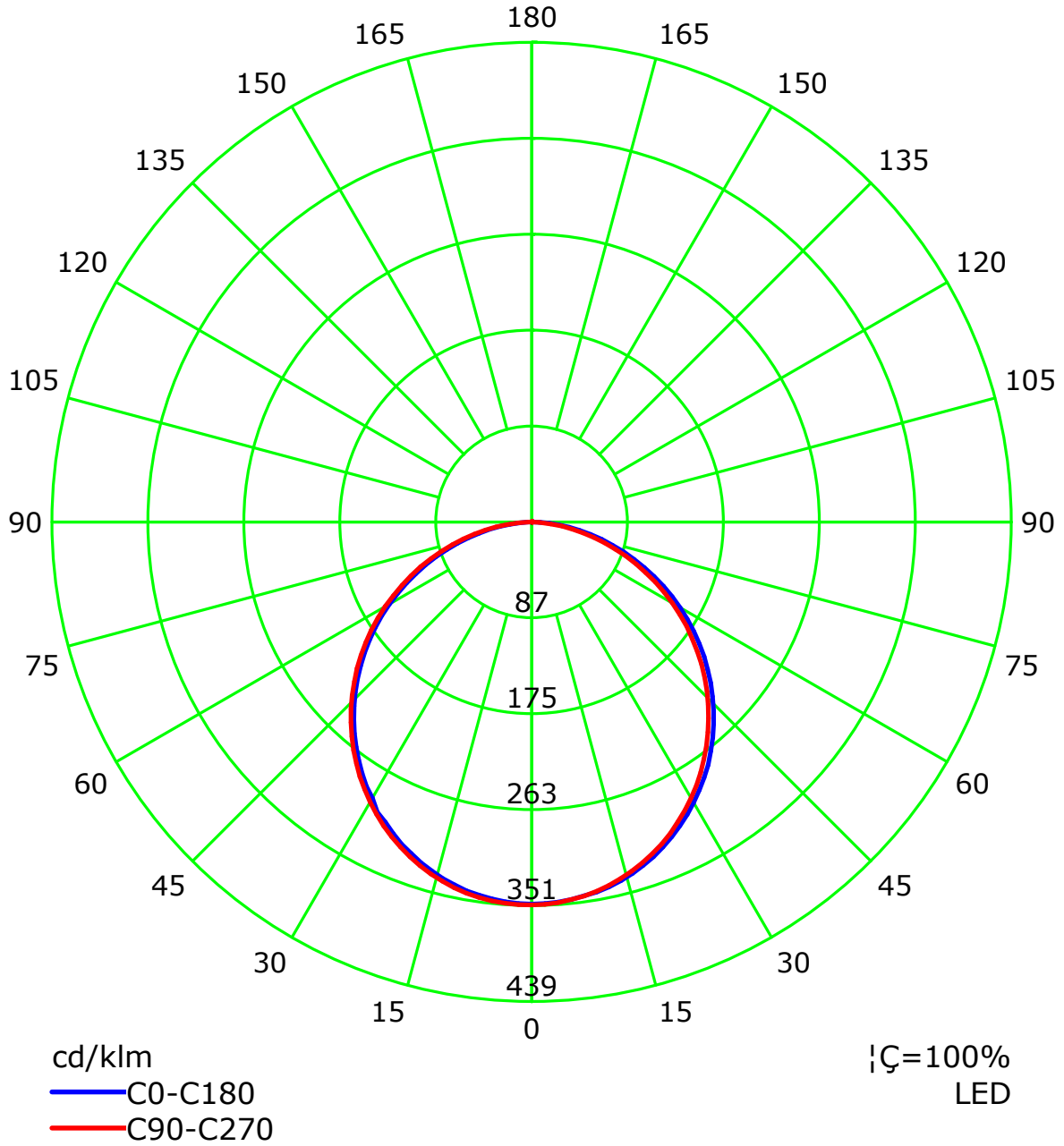
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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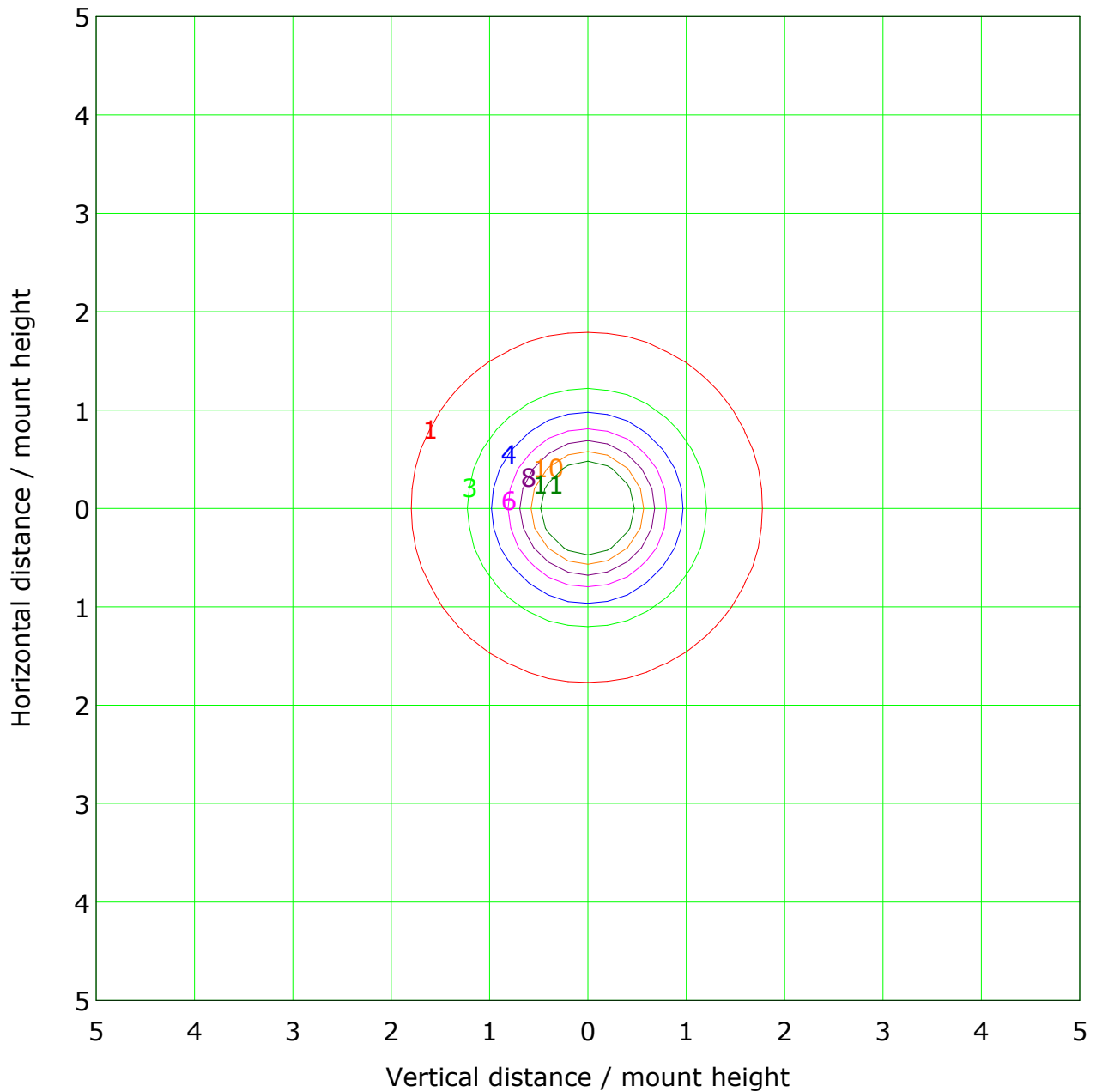
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 17.3 lx

(5%): 0.9 lx	(15%): 2.6 lx
(25%): 4.3 lx	(35%): 6.1 lx
(45%): 7.8 lx	(55%): 9.5 lx
(65%): 11.3 lx	

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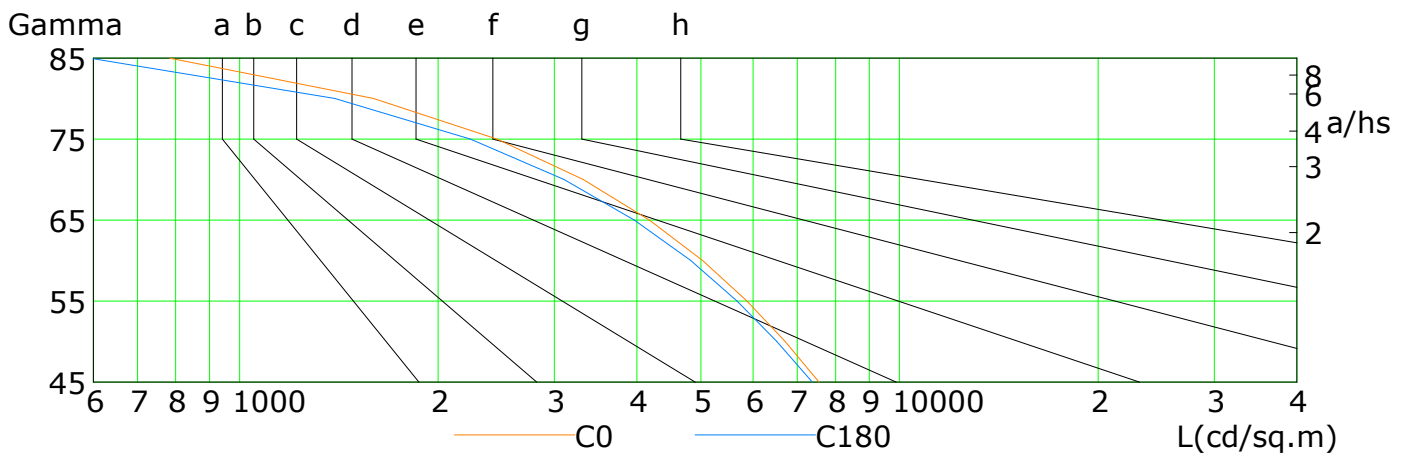
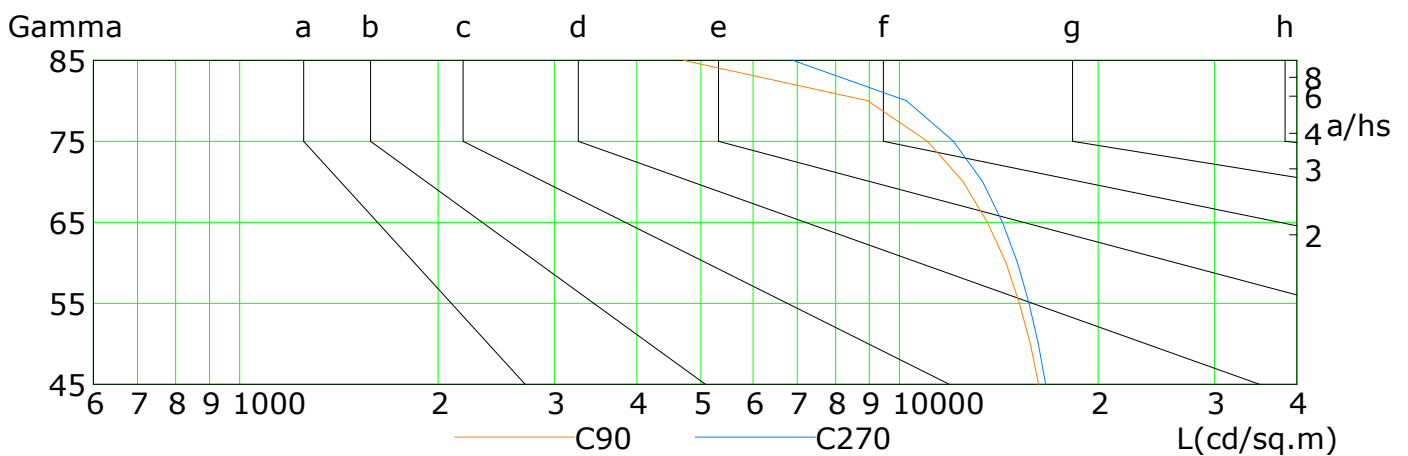
Humidity:

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	7555	6707	5872	5028	4178	3316	2455	1595	783
C90	16257	15777	15191	14493	13594	12485	11026	8947	4706
C180	7375	6516	5673	4825	3963	3100	2238	1394	593
C270	16650	16230	15711	15096	14328	13361	12066	10244	6890

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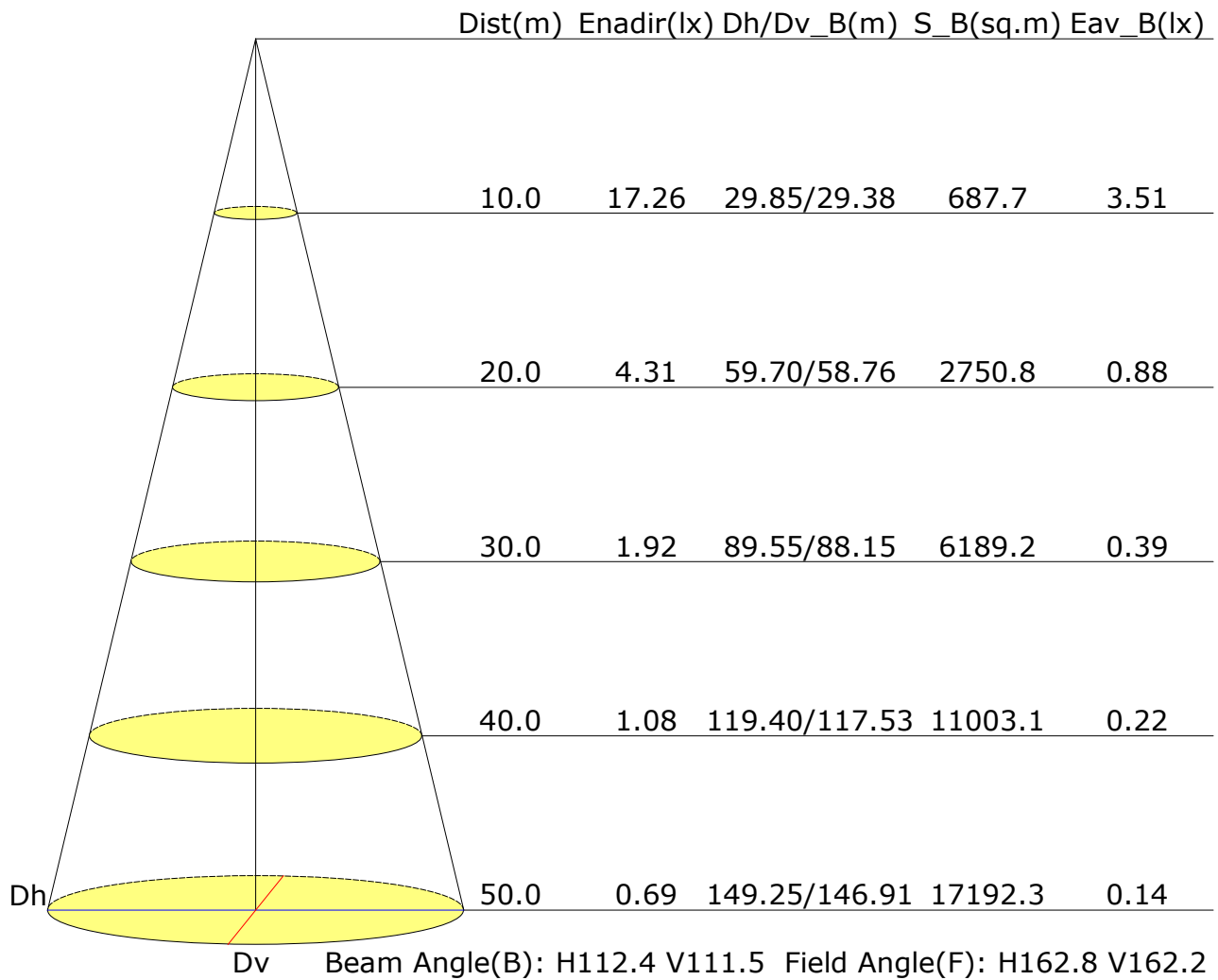
Test Device: LSG-1800B

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: