

Report No.: 1

Test Time: 09.02.2018 08:04

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 45W Refond 32-34,5Lm 5000K frozen

Lamp Description: LED

Luminous Width (mm): 60

Voltage: 230.7 V

Power: 43.18 W

Luminous Length (mm): 1550

Luminous Height (mm): 80

Current: 0.189 A

Power Factor: 0.988

Photometric Results

CIE Class: Direct

Measurement Flux: 6098 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 150.6, 146.2, 148.5, 148.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 95.6, 89.6, 90.8, 91.6

Luminaire Efficacy Rating (LER): 141.27

Max. Intensity: 2778.14 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 6098.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2776.56 cd

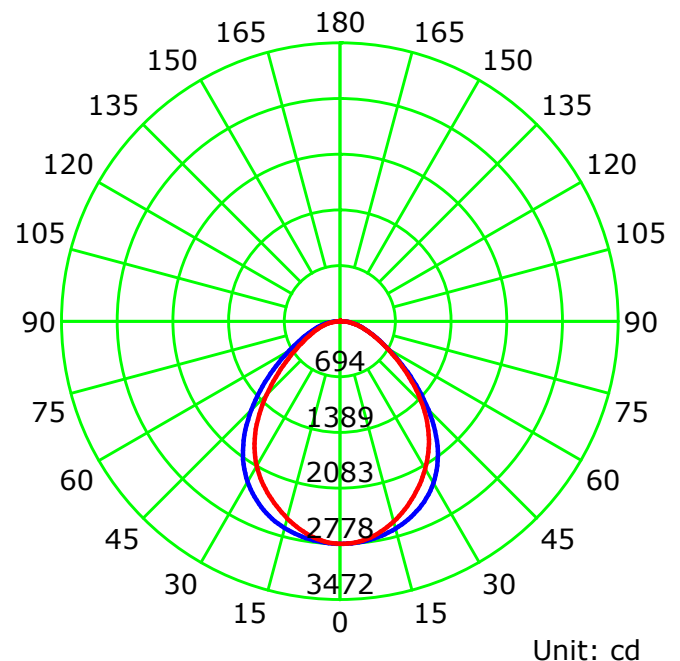
Pos of Max. Intensity: H105 V0

S/MH(C90/C270): 1.14

Picture Of Luminaire



Luminous Intensity Distribution Curve



— 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

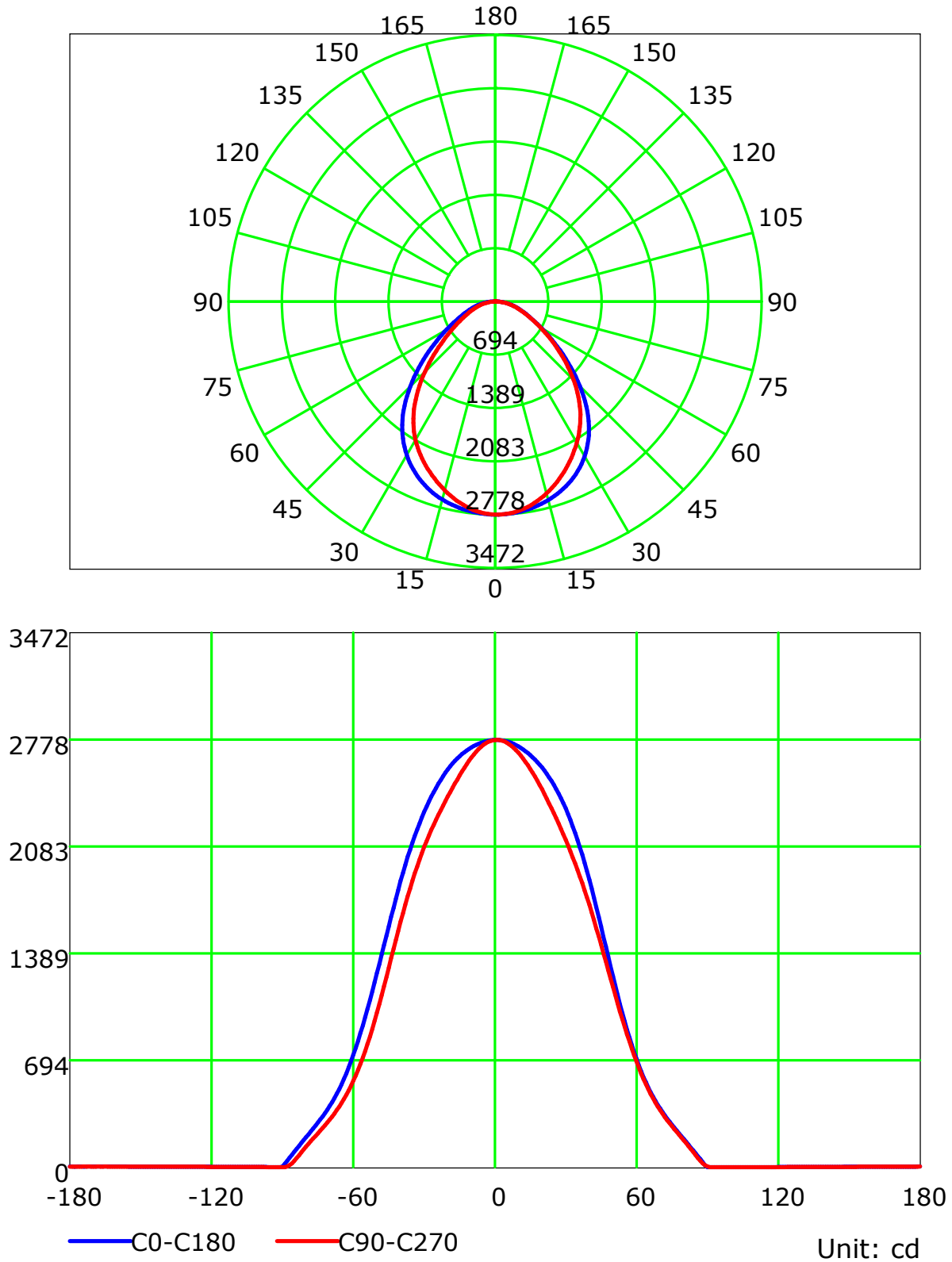
Test Device: LSG-1800B

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

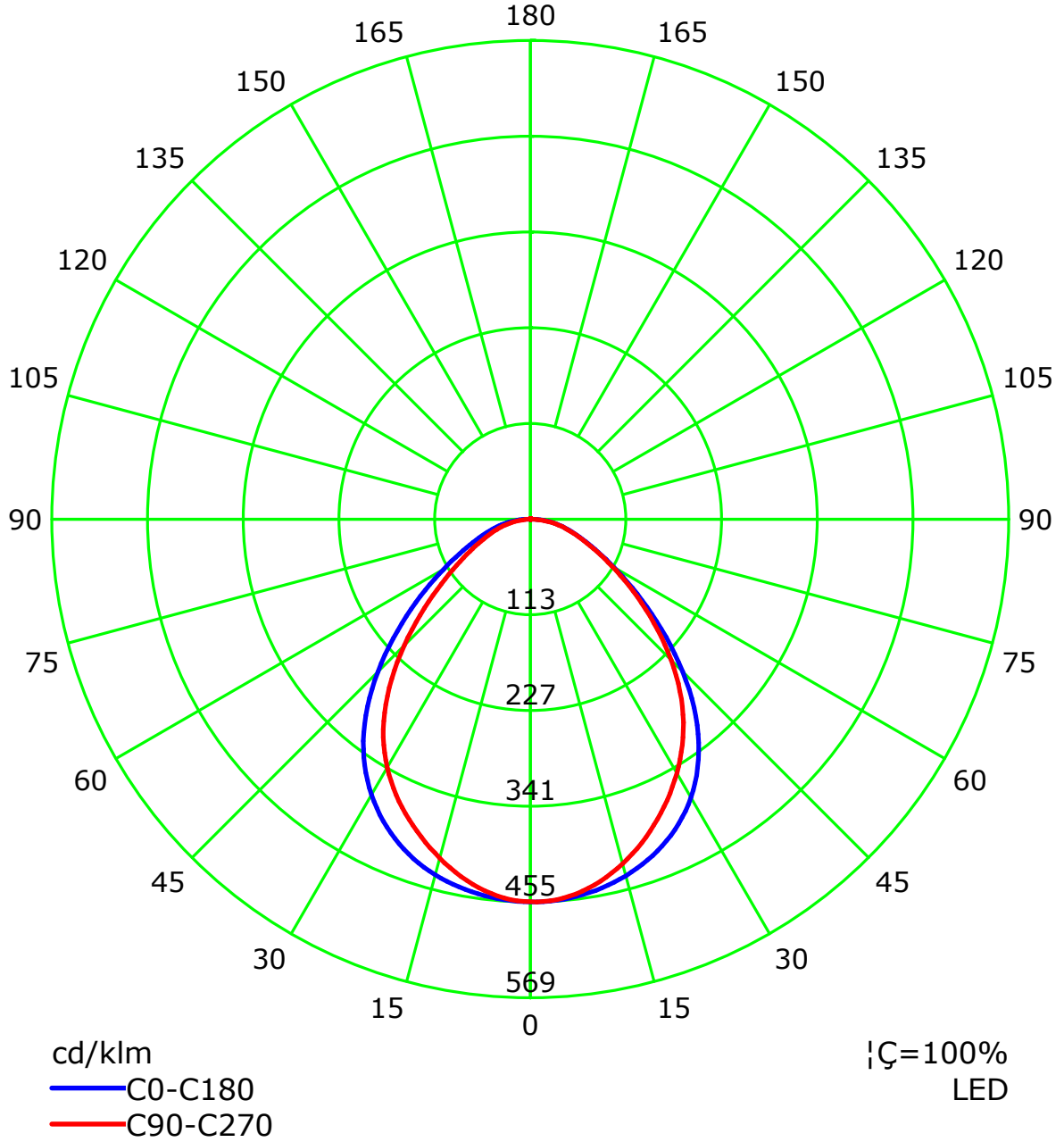
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

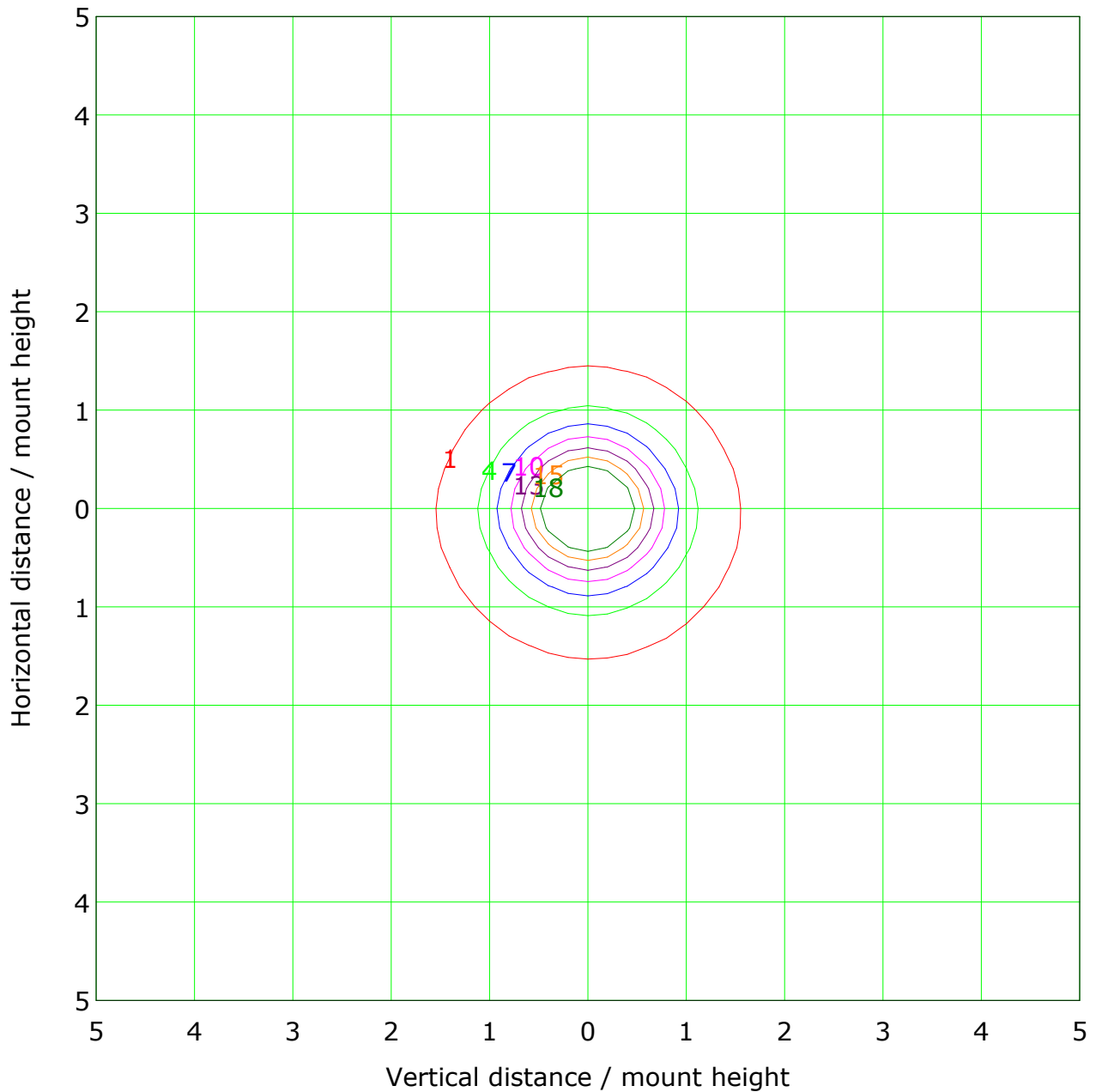
Luminous Intensity Distribution Curve(cd/klm)



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



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

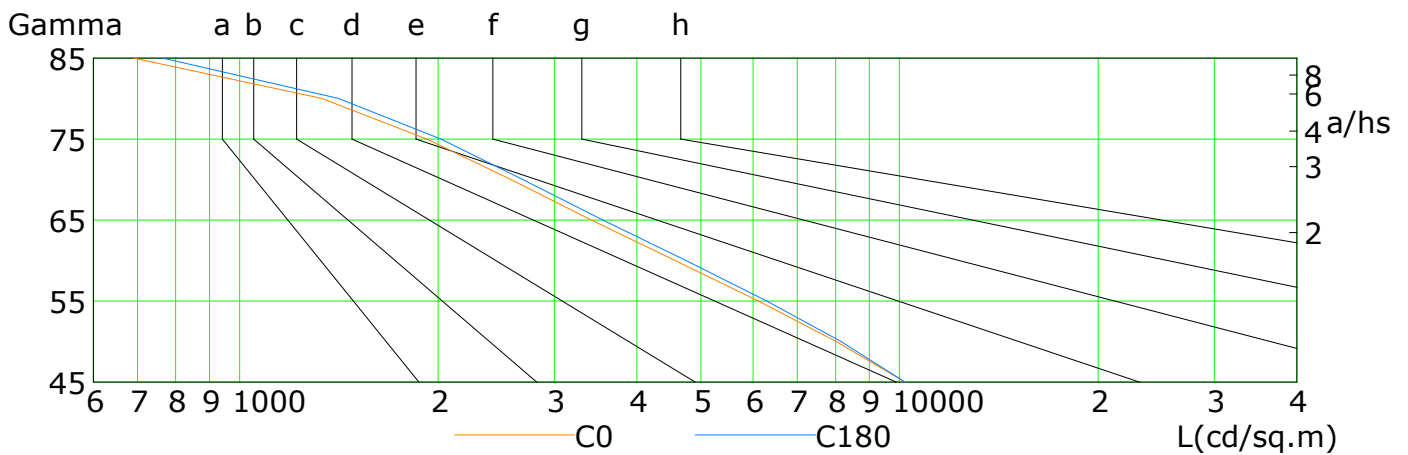
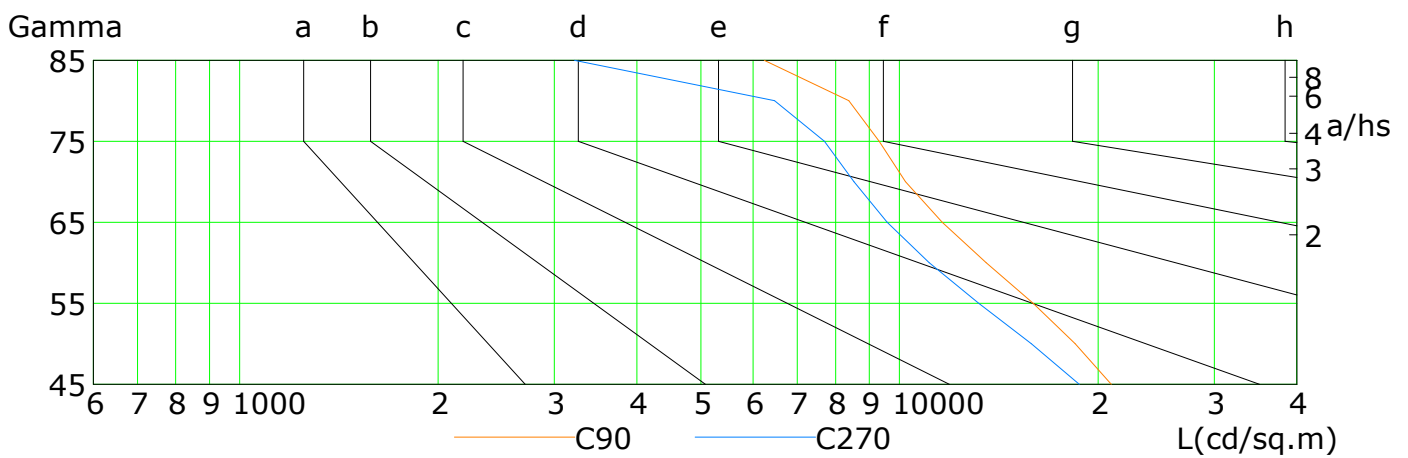
Humidity:

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	10195	8017	6113	4571	3414	2576	1922	1333	691
C90	20936	18459	15939	13533	11614	10212	9312	8375	6240
C180	10197	8149	6296	4743	3554	2685	2020	1413	765
C270	18735	15832	13191	11094	9577	8535	7699	6470	3217

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

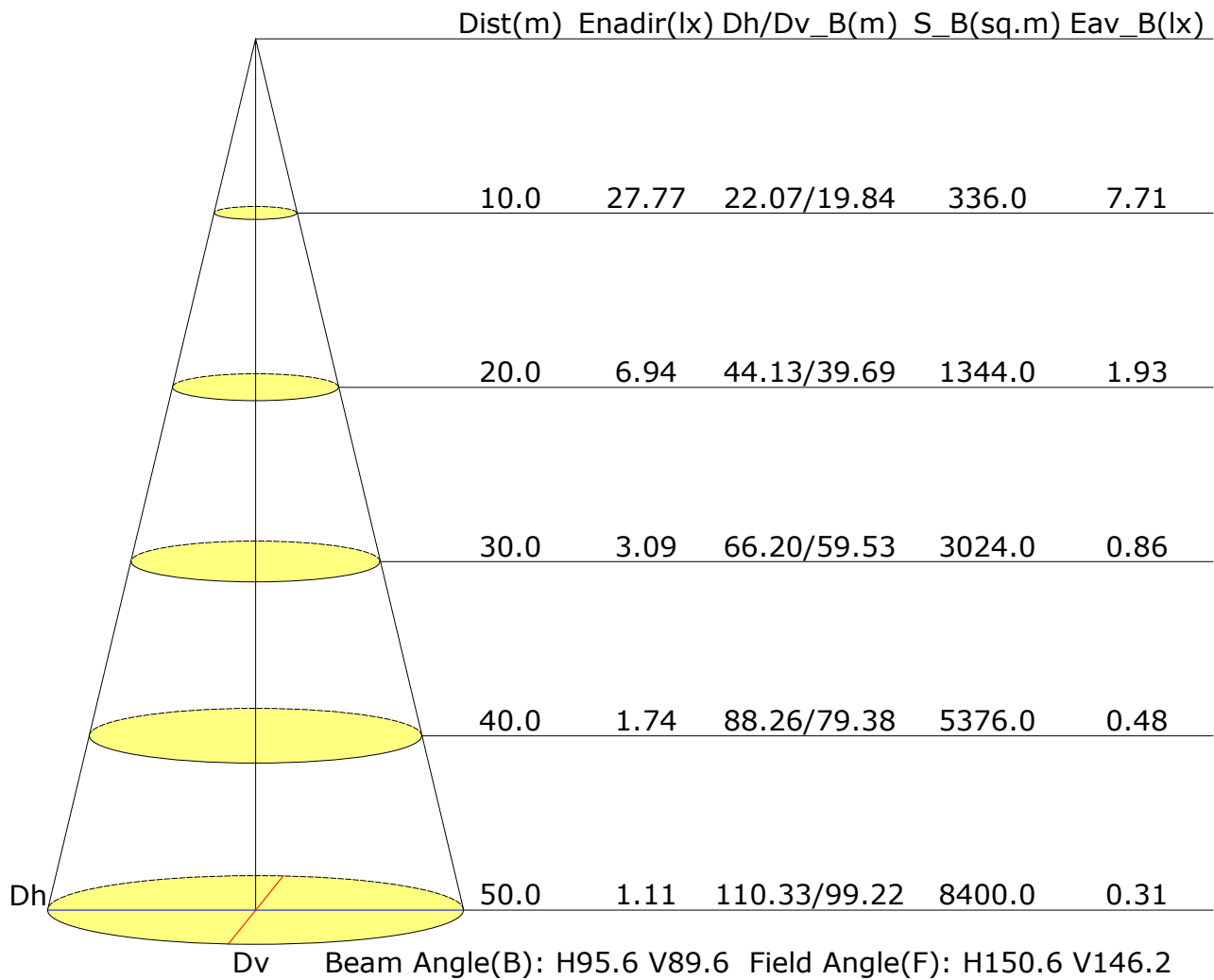
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: