

Report No.: 6

Test Time: 07.02.2018 14:43

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 70W Refond 32-34,5Lm 5000K frozen

Lamp Description: LED

Luminous Length (mm): 1550

Luminous Width (mm): 60

Luminous Height (mm): 80

Voltage: 232.1 V

Current: 0.322 A

Power: 72.55 W

Power Factor: 0.969

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 9434.7 lm

Measurement Flux: 9434.7 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 150.6, 145.9, 148.4, 148.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 95.6, 89.5, 90.9, 91.3

Luminaire Efficacy Rating (LER): 130.09

Central Intensity: 4298.95 cd

Max. Intensity: 4304.32 cd

Pos of Max. Intensity: H120 V2

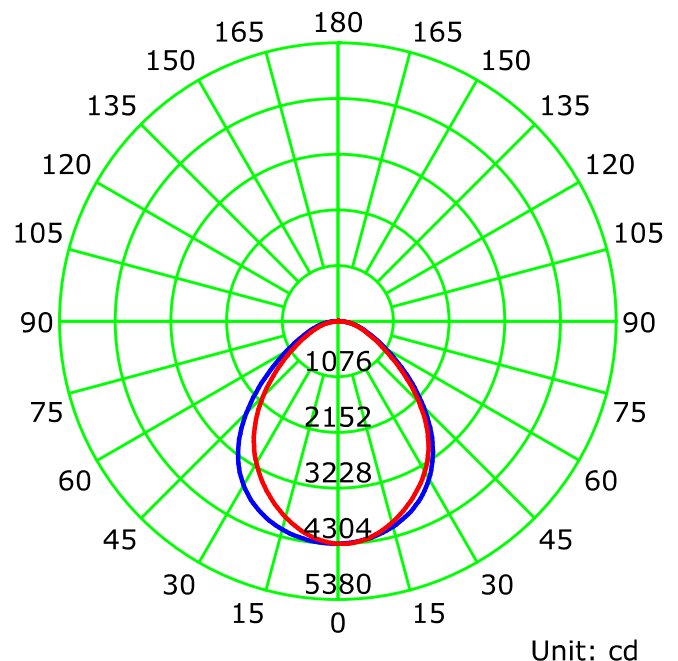
S/MH(C0/C180): 1.24

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

Gamma Plane (°):0.0-180.0:1.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

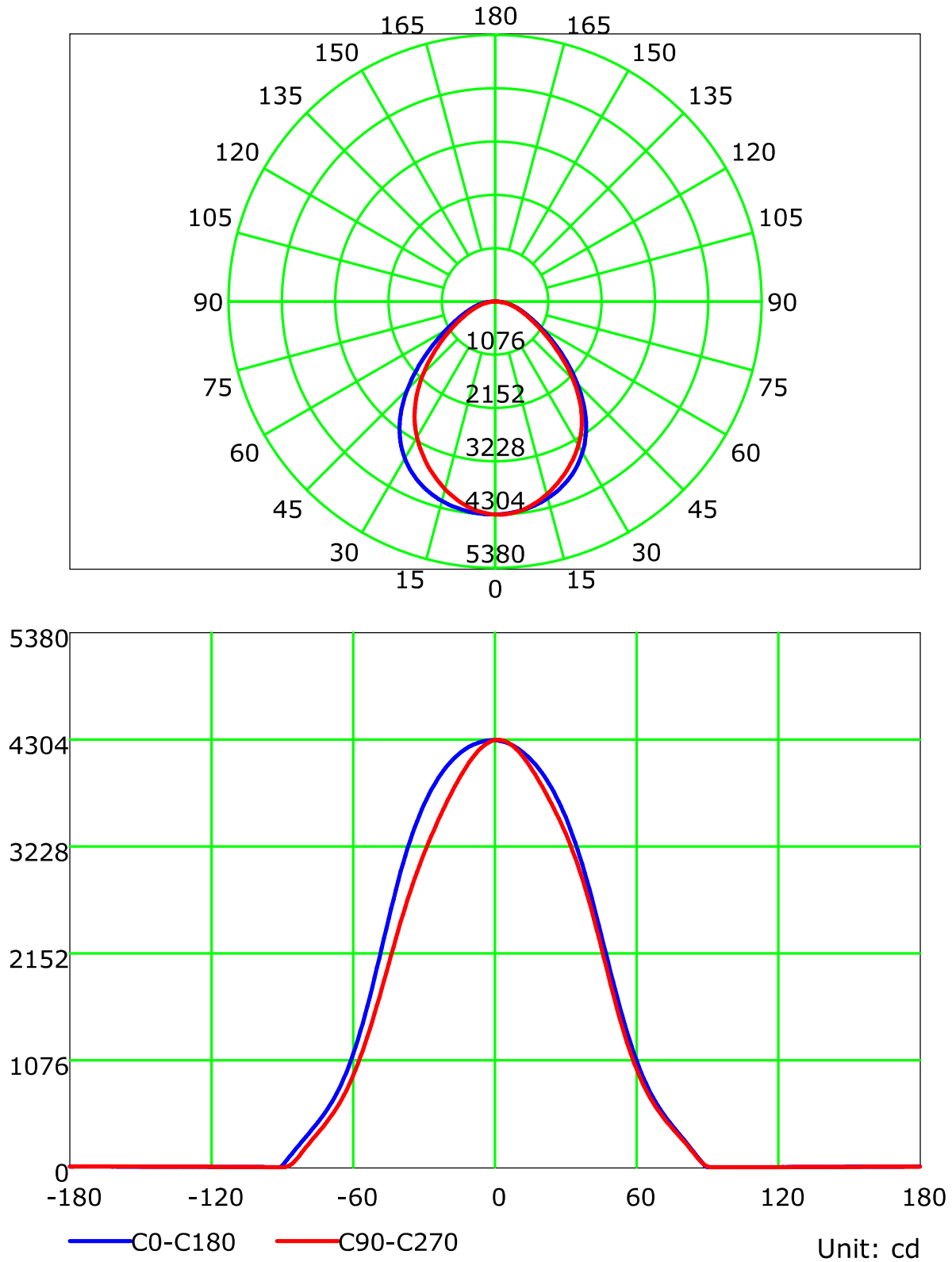
Temperature:

Humidity:

Operator:

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

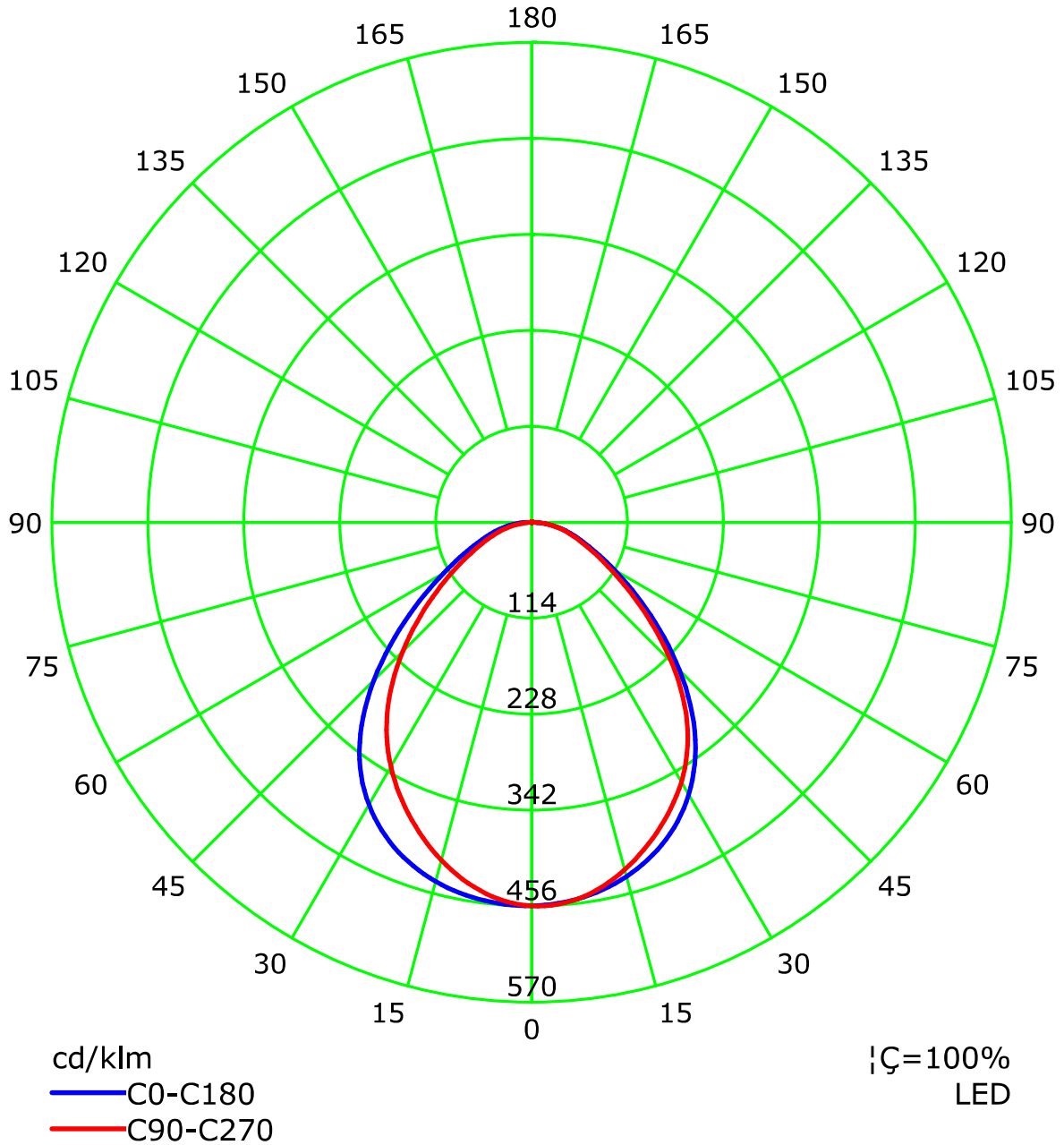
Test Device: LSG-1800B

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

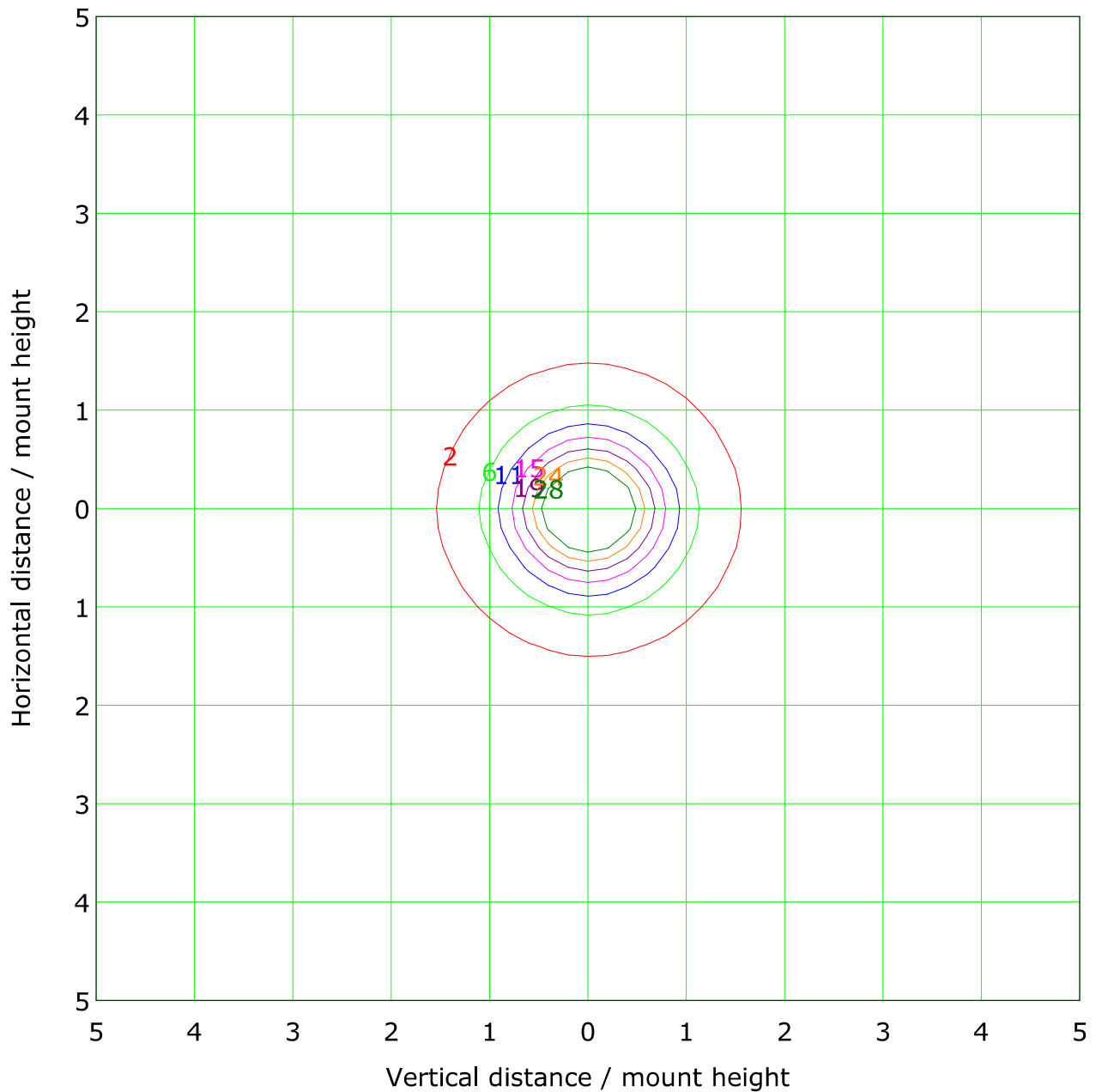
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 43.0 lx	
(5%): 2.2 lx	(15%): 6.5 lx
(25%): 10.8 lx	(35%): 15.1 lx
(45%): 19.4 lx	(55%): 23.7 lx
(65%): 28.0 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

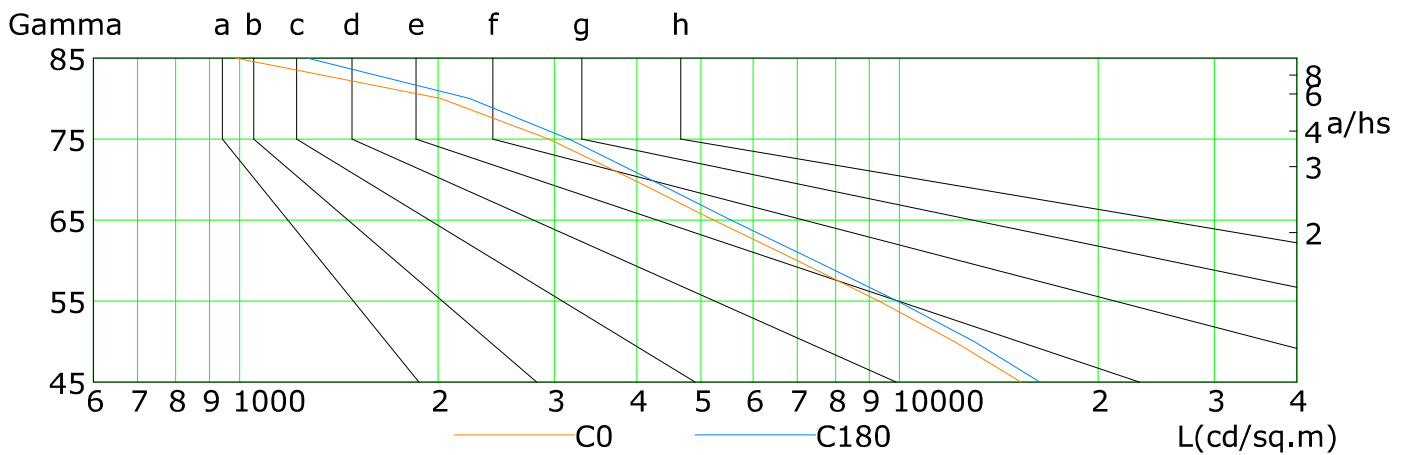
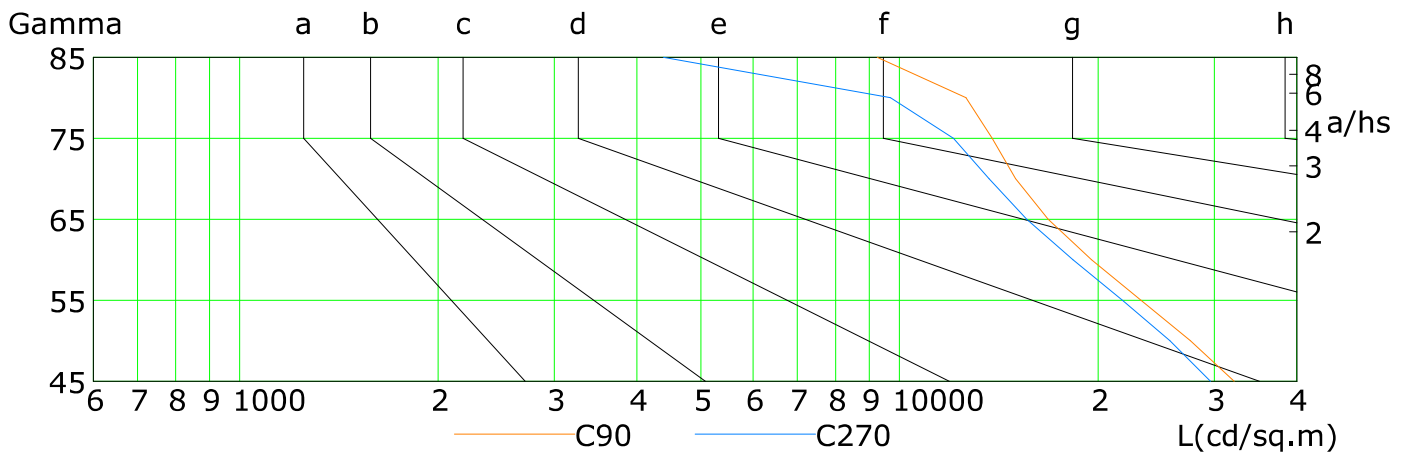
Humidity:

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	15289	12102	9305	6993	5231	3944	2943	2016	987
C90	32138	27589	23232	19543	16798	14998	13814	12610	9259
C180	16318	12967	9934	7431	5553	4194	3157	2231	1265
C270	29611	25674	21782	18311	15593	13671	12071	9688	4390

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

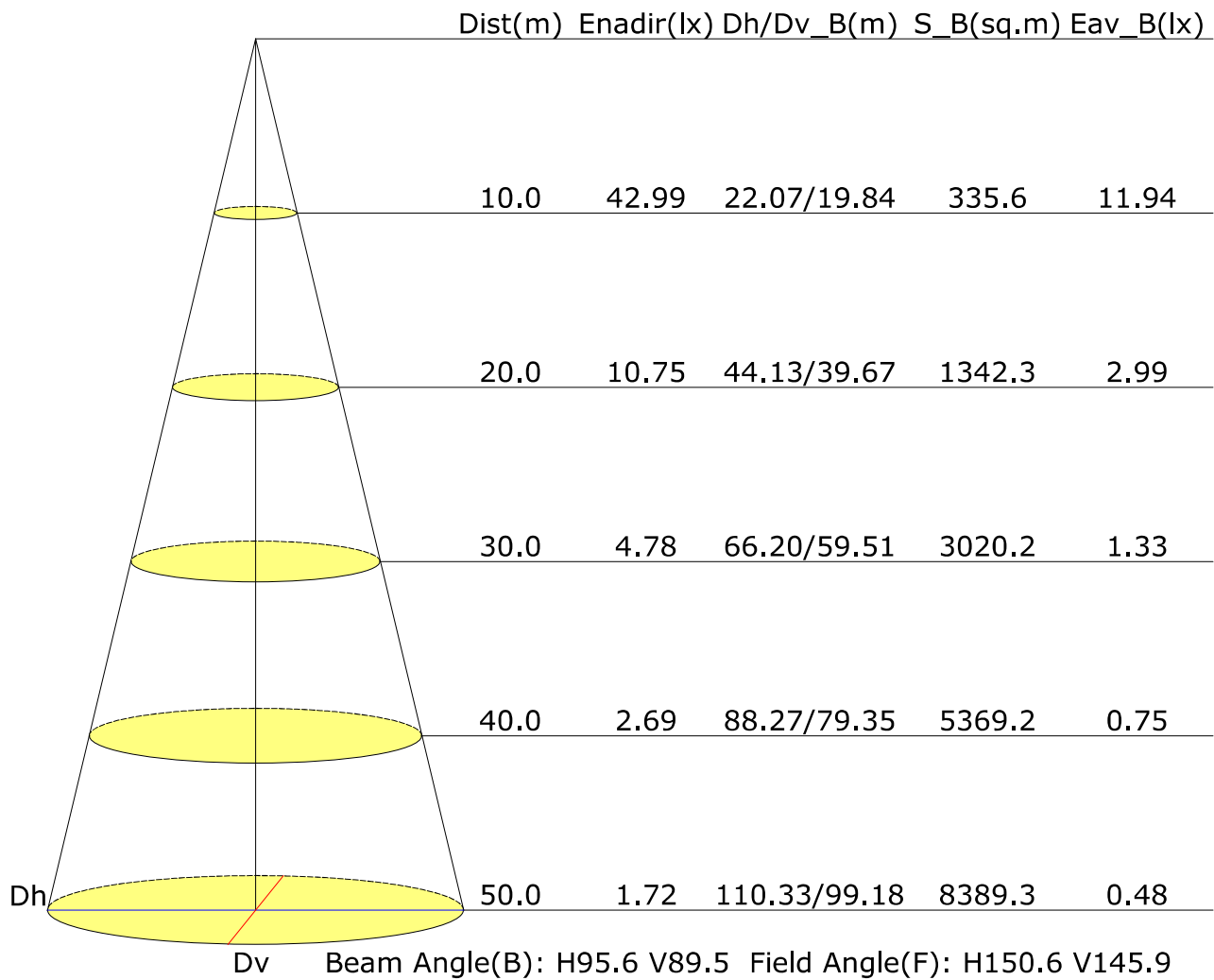
Test Device: LSG-1800B

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: