

Report No.: 1

Test Time: 22.08.2018 14:11

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 55 0,29A 46W 5000K

Lamp Description: LED

Luminous Width (mm): 55

Voltage: 222.1 V

Power: 46.88 W

Luminous Length (mm): 1200

Luminous Height (mm): 85

Current: 0.220 A

Power Factor: 0.959

Photometric Results

CIE Class: Direct

Measurement Flux: 6823.6 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.3, 150.2, 152.8, 152.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.0, 115.9, 113.0, 112.8

Luminaire Efficacy Rating (LER): 145.60

Max. Intensity: 2371.96 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 6823.6 lm

Efficiency: 100%

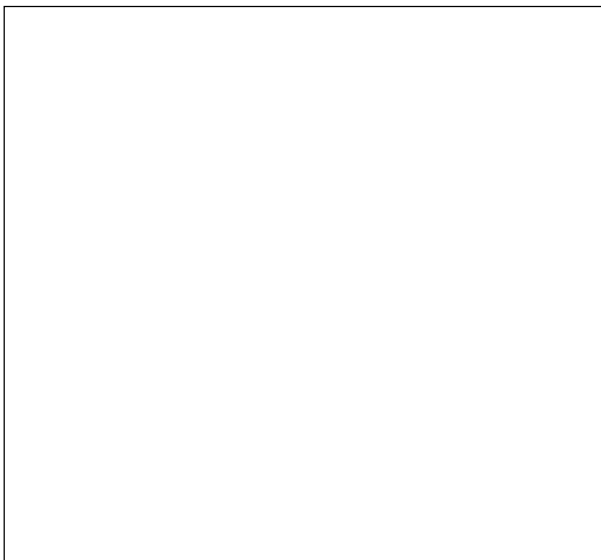
Upward Ratio: 1%

Central Intensity: 2361.98 cd

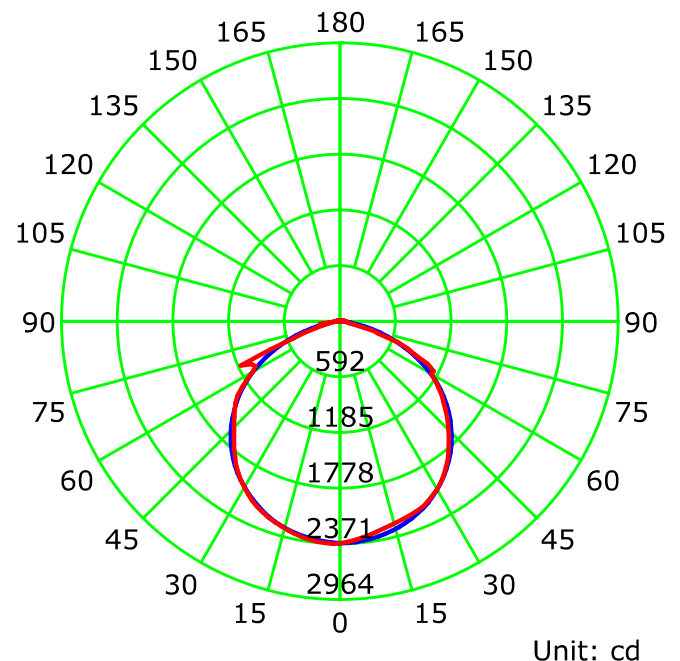
Pos of Max. Intensity: H270 V2

S/MH(C90/C270): 1.29

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

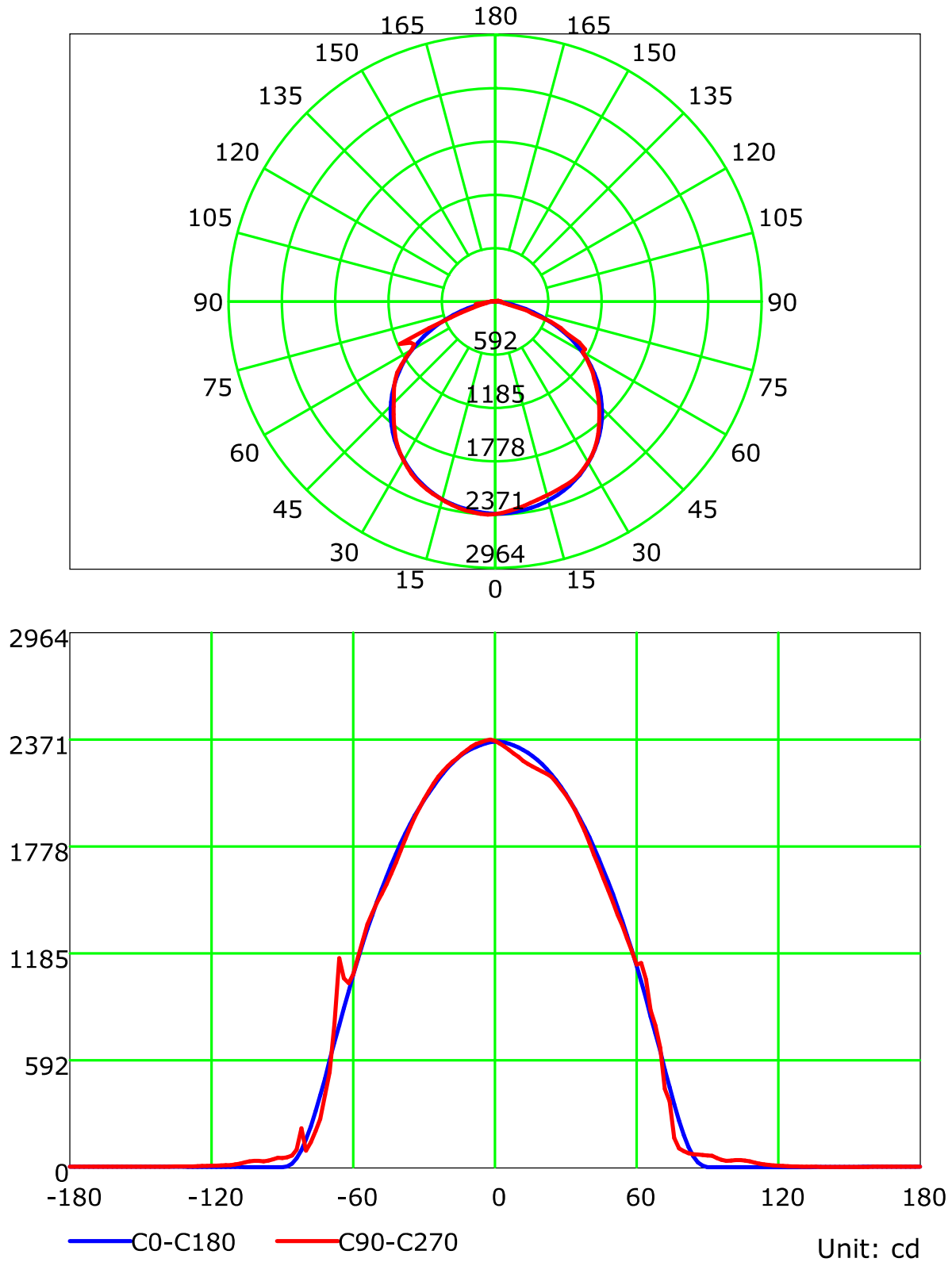
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

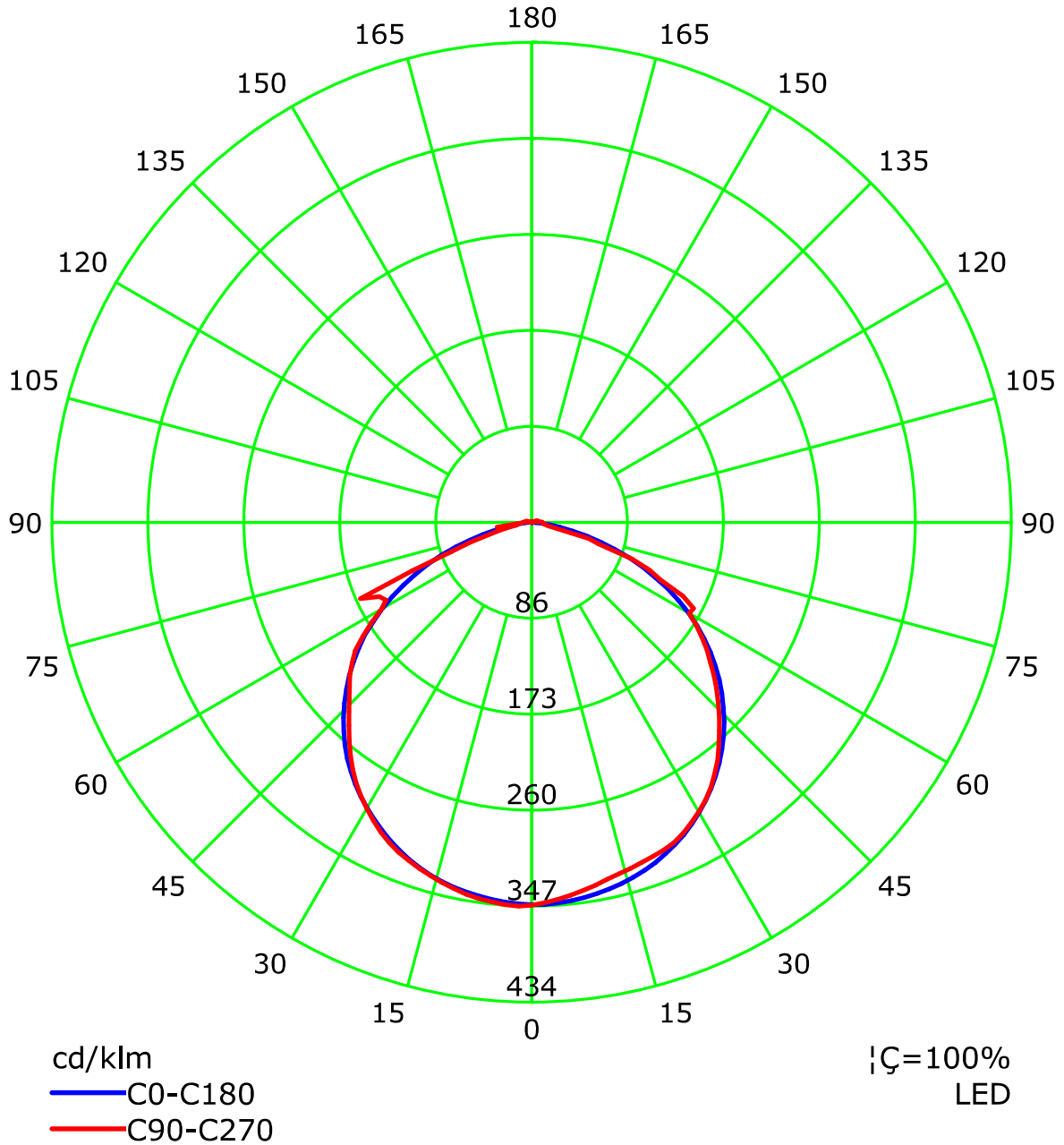
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

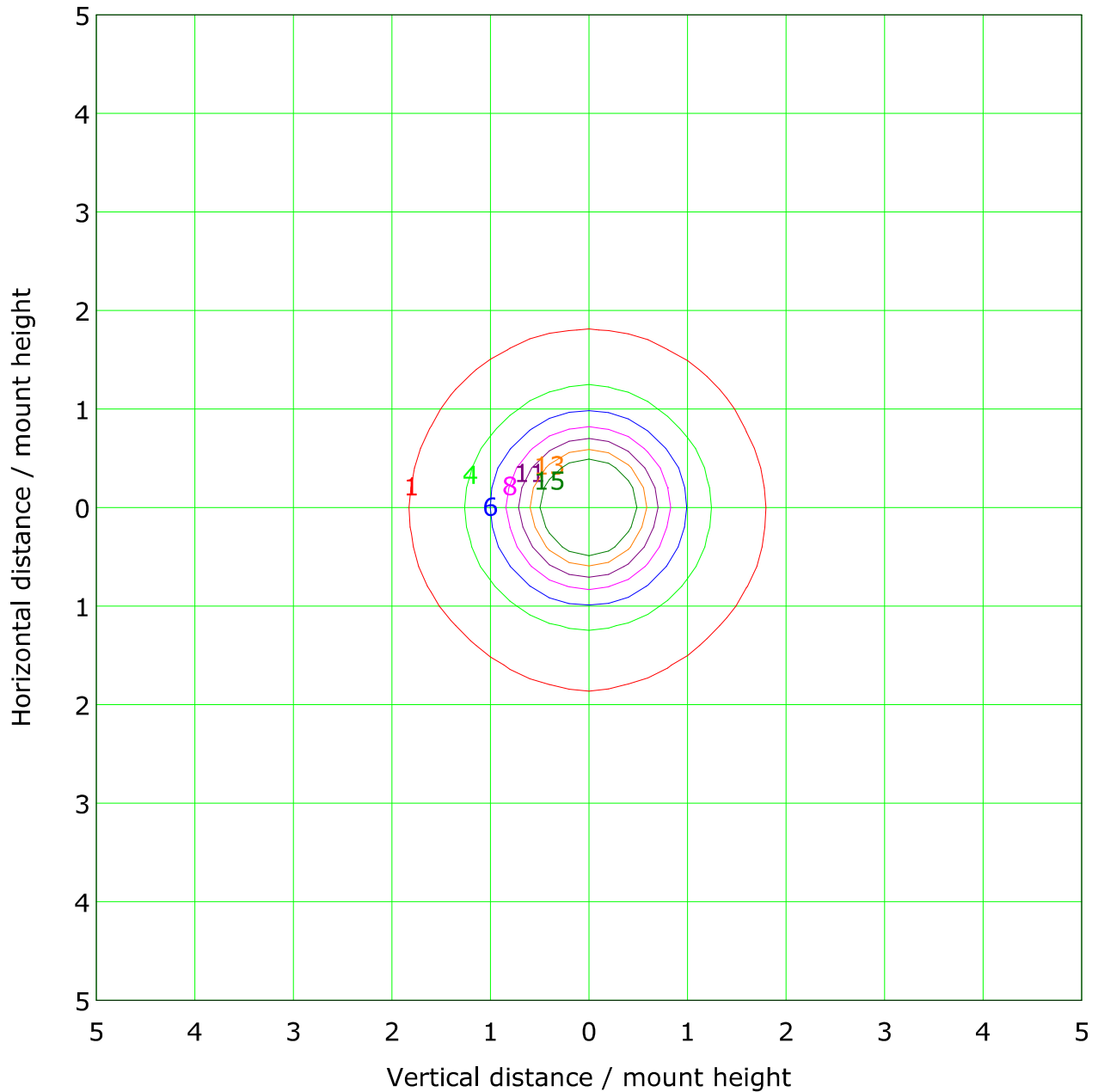
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 23.7 lx

(5%): 1.2 lx	(15%): 3.6 lx
(25%): 5.9 lx	(35%): 8.3 lx
(45%): 10.7 lx	(55%): 13.0 lx
(65%): 15.4 lx	

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

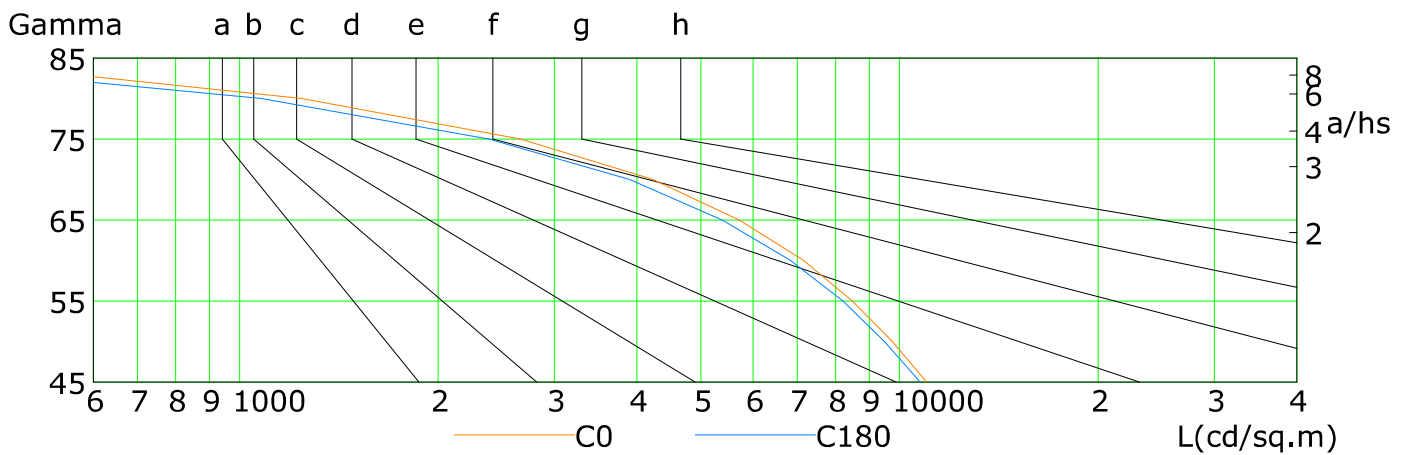
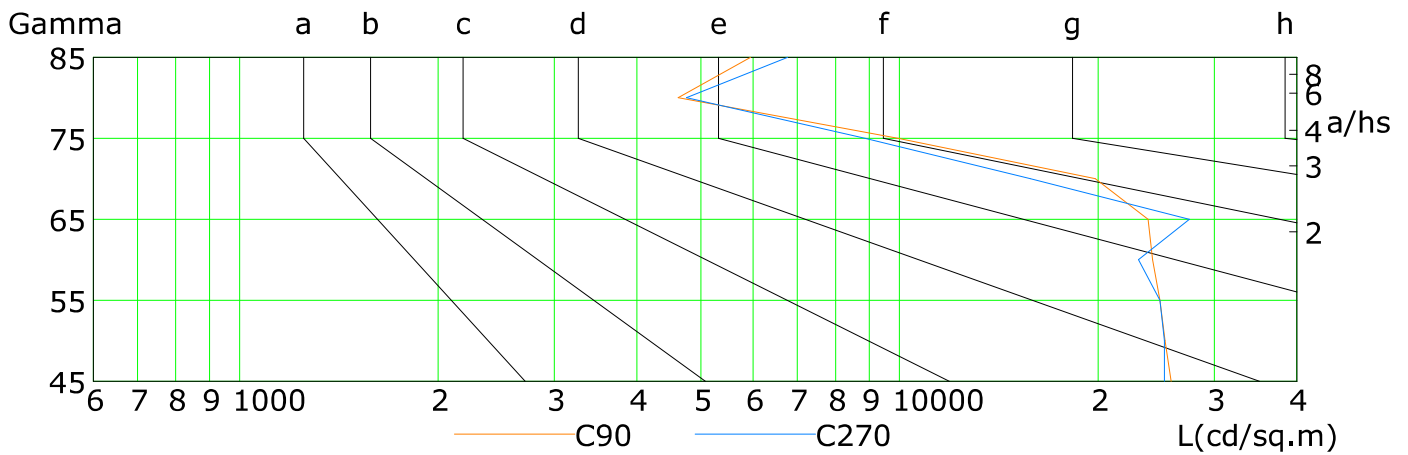
Humidity:

Inspector:

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	10989	9755	8485	7157	5721	4231	2668	1240	324
C90	25814	25259	24826	24171	23819	19807	9952	4621	5949
C180	10745	9483	8214	6837	5389	3899	2388	1078	252
C270	25210	25215	24805	23022	27506	15786	8868	4756	6766

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

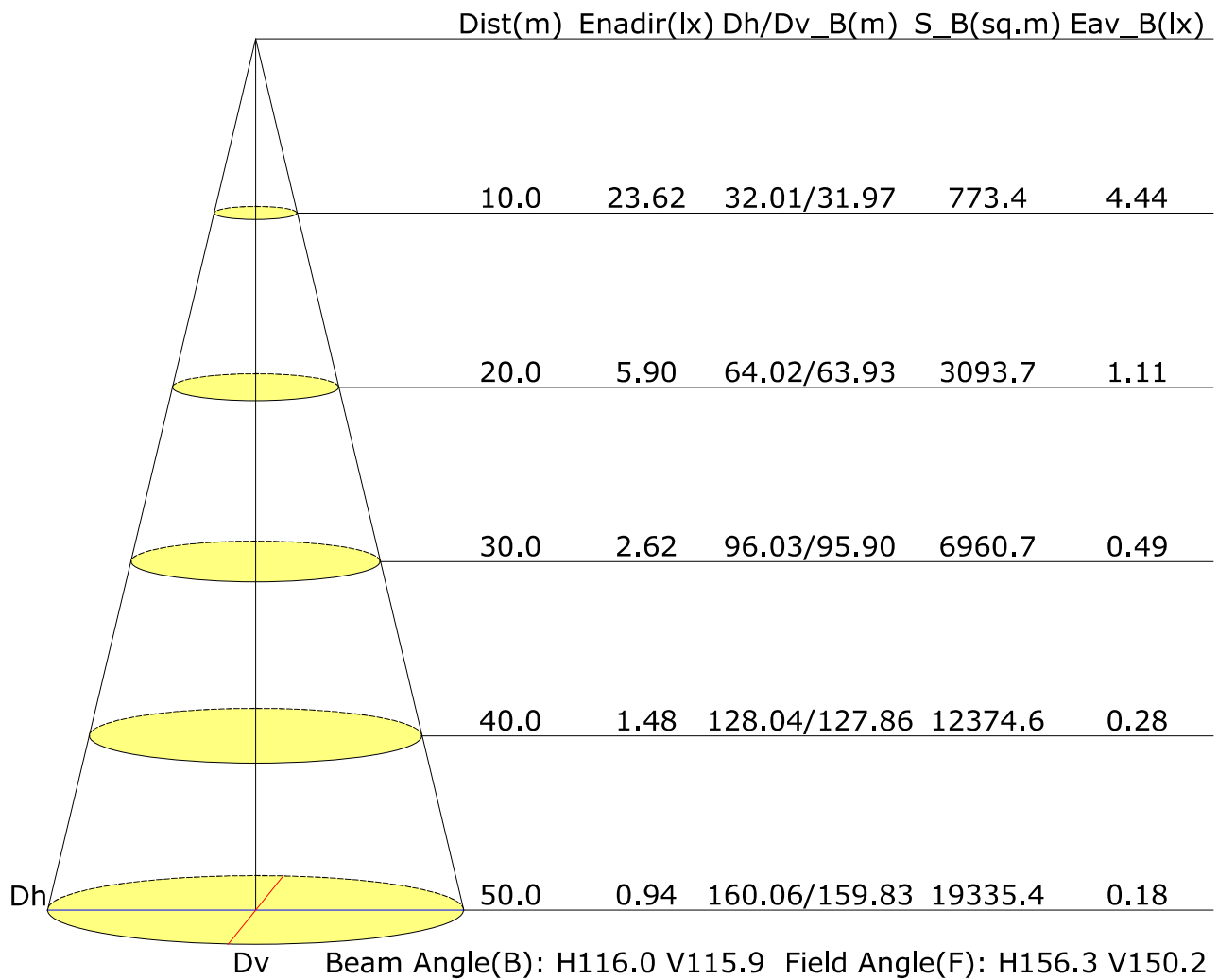
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: