

Report No.: 1

Test Time: 22.08.2018 13:26

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 55 0,29A 46W opal

Lamp Description: LED

Luminous Width (mm): 55

Voltage: 221.3 V

Power: 46.95 W

Luminous Length (mm): 1200

Luminous Height (mm): 85

Current: 0.220 A

Power Factor: 0.960

Photometric Results

CIE Class: Direct

Measurement Flux: 5774.8 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.2, 162.2, 160.9, 160.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.7, 109.7, 109.1, 109.1

Luminaire Efficacy Rating (LER): 123.05

Max. Intensity: 2079.43 cd

S/MH(C0/C180): 1.23

Total Rated Lamp Lumens: 5774.8 lm

Efficiency: 100%

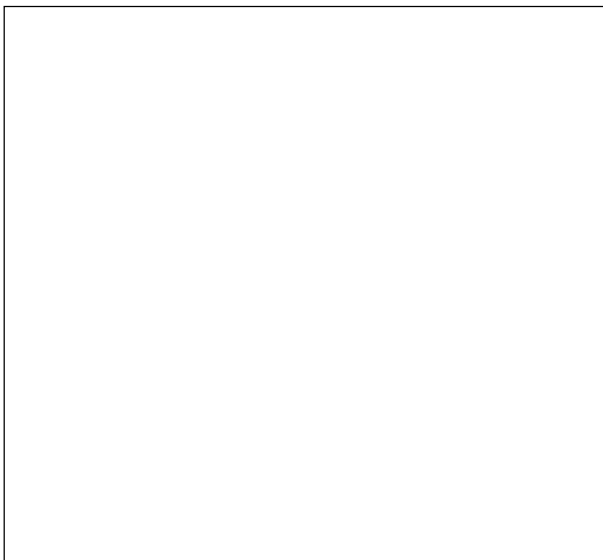
Upward Ratio: 1%

Central Intensity: 2077.86 cd

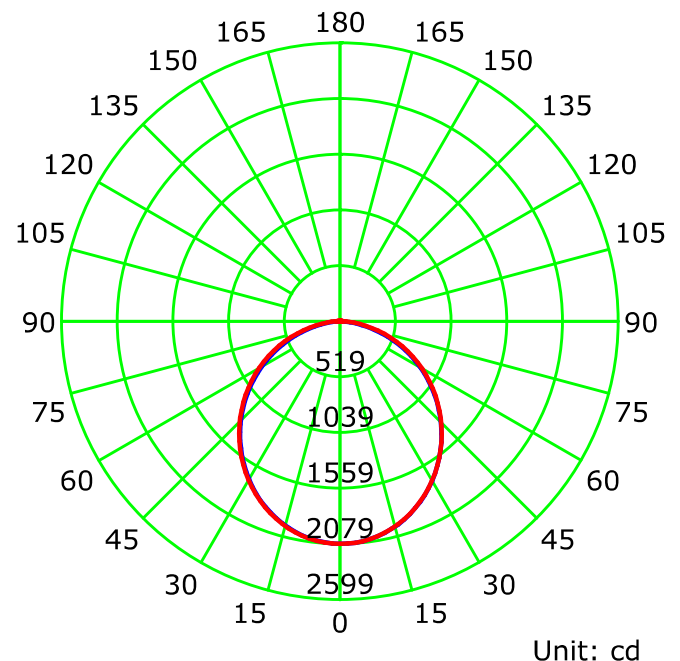
Pos of Max. Intensity: H112.5 V0

S/MH(C90/C270): 1.23

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

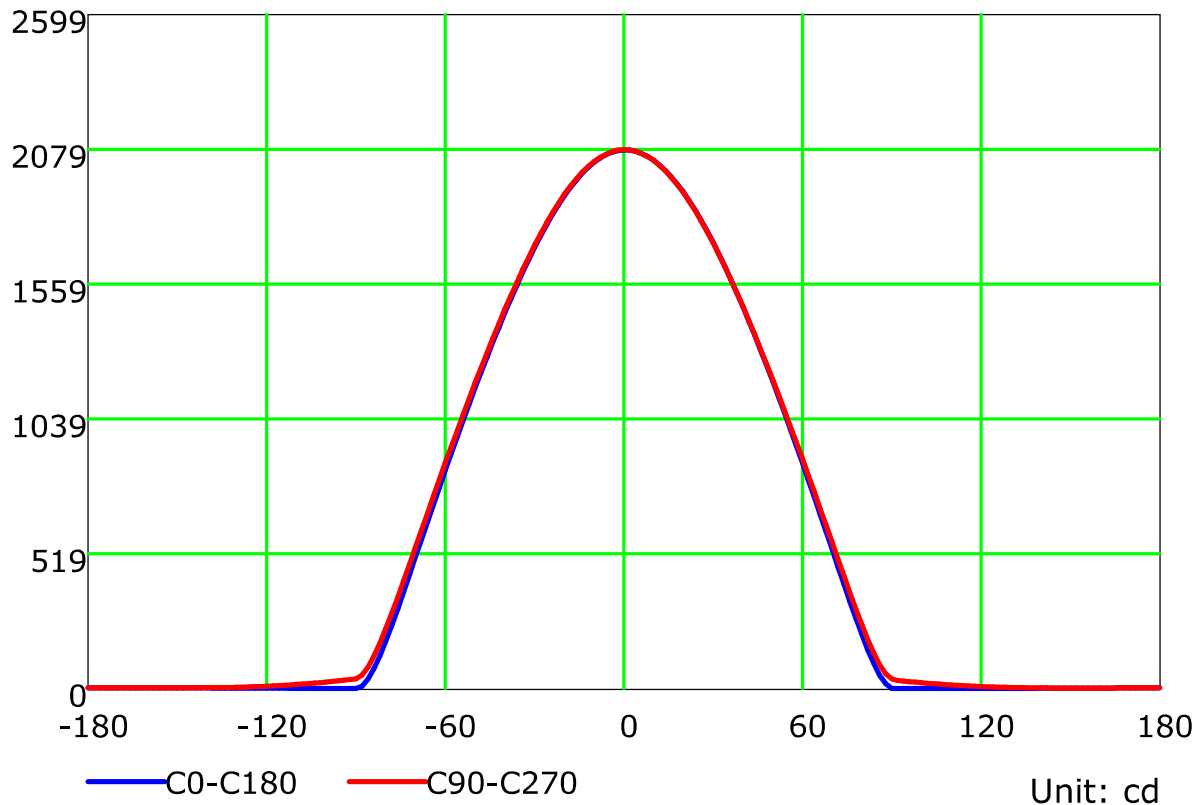
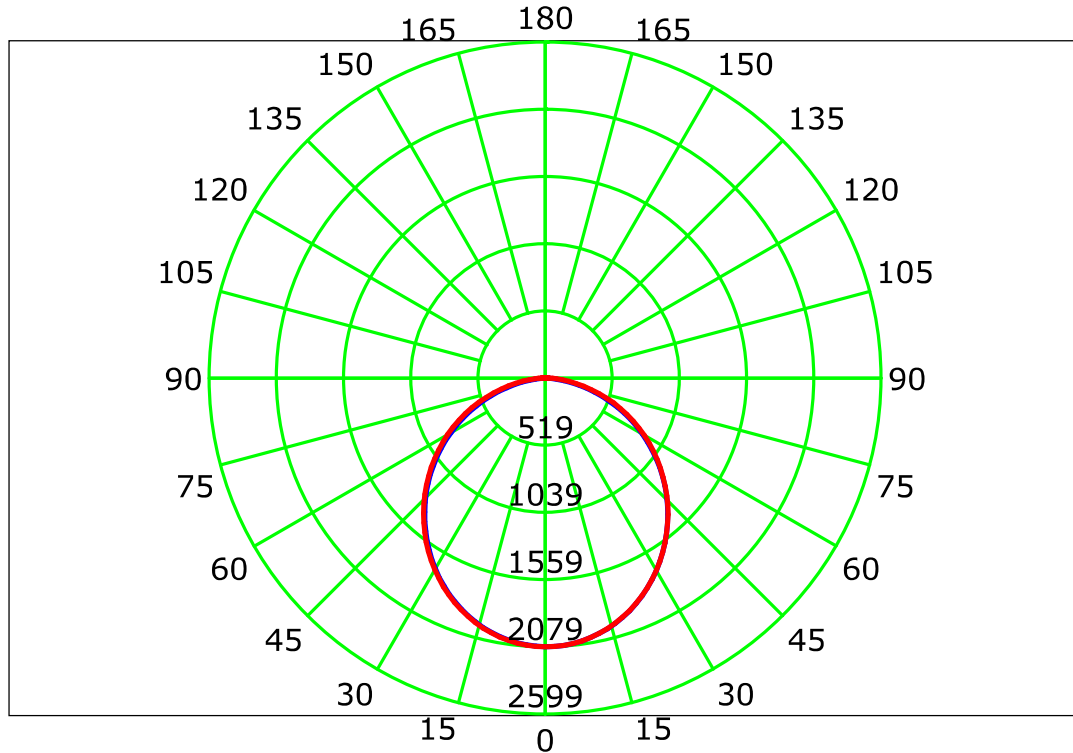
Test Device: LSG-1800B

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

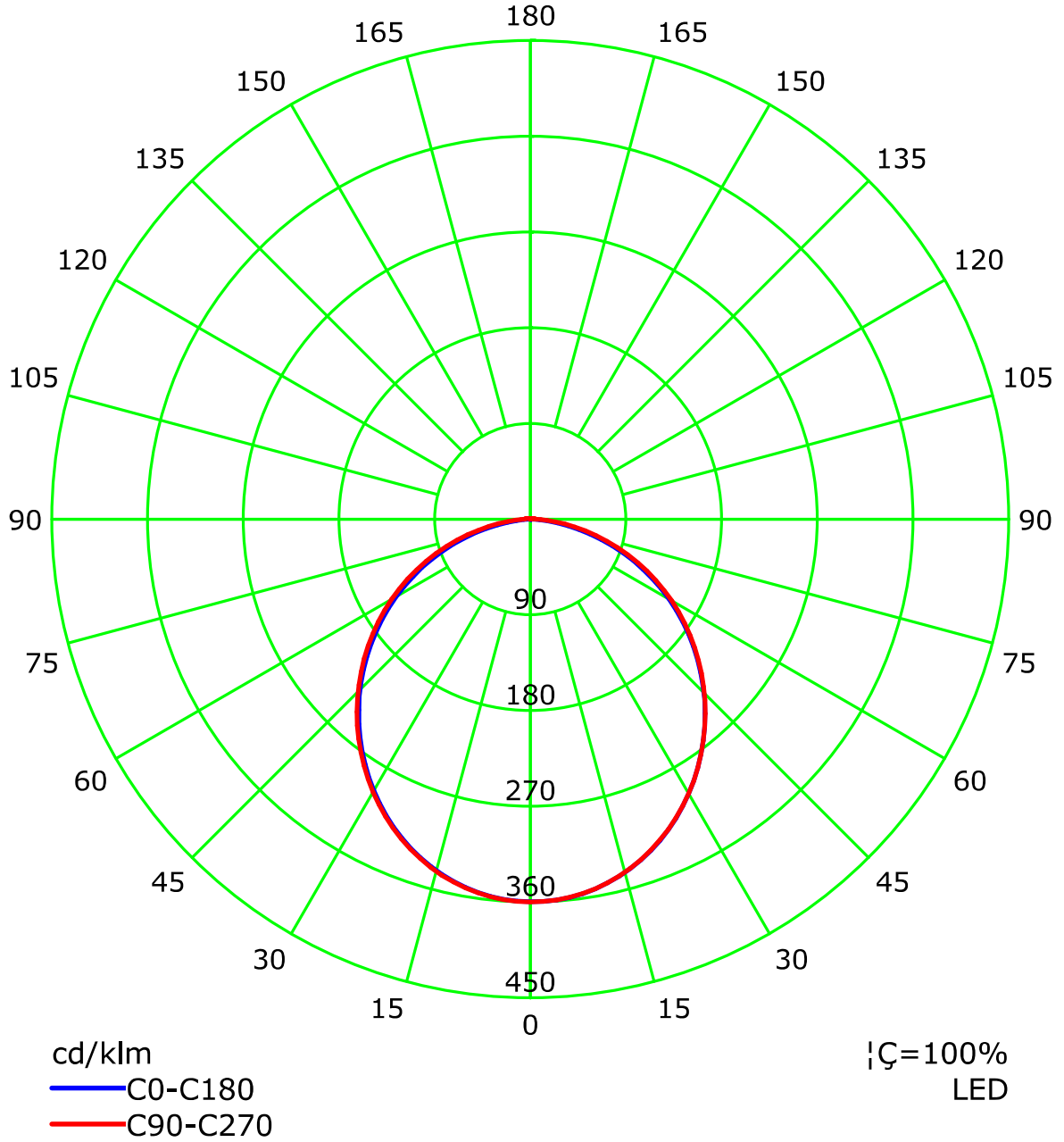
Test Device: LSG-1800B

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

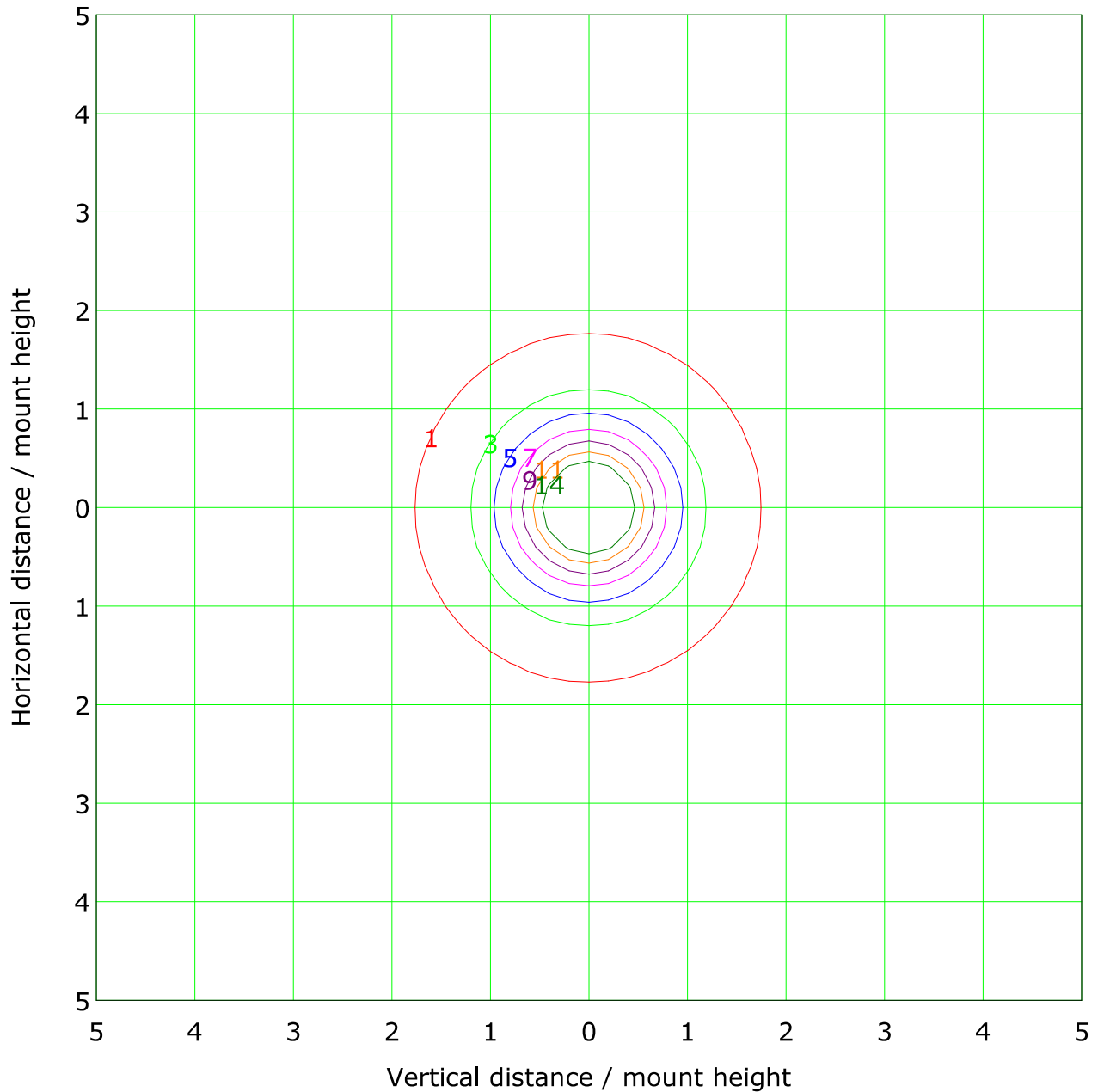
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 20.8 lx	
(5%):	1.0 lx	(15%):	3.1 lx
(25%):	5.2 lx	(35%):	7.3 lx
(45%):	9.4 lx	(55%):	11.4 lx
(65%):	13.5 lx		

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Test Device: LSG-1800B

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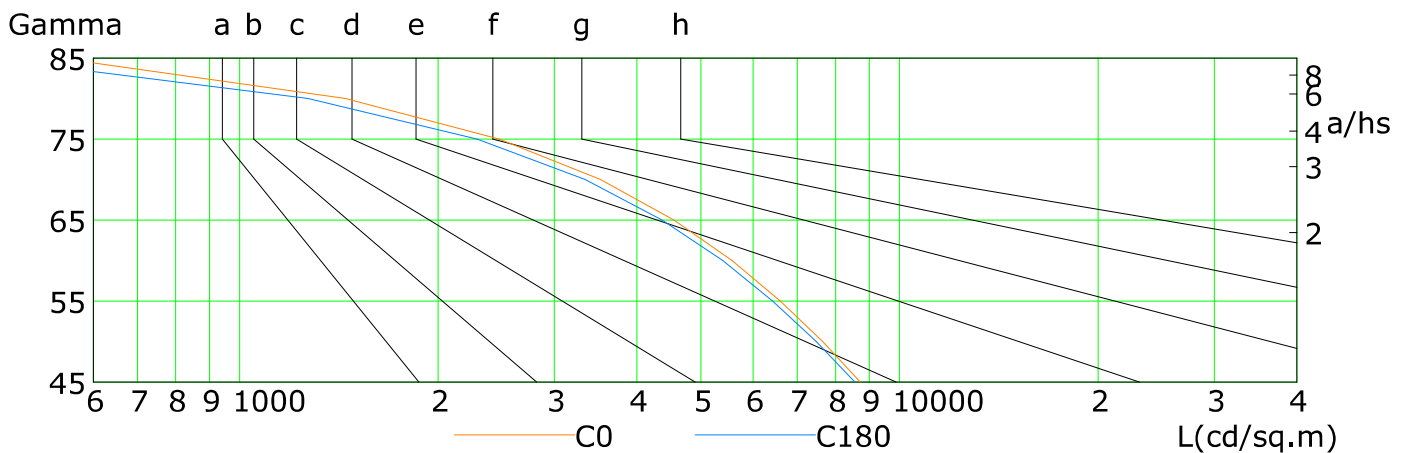
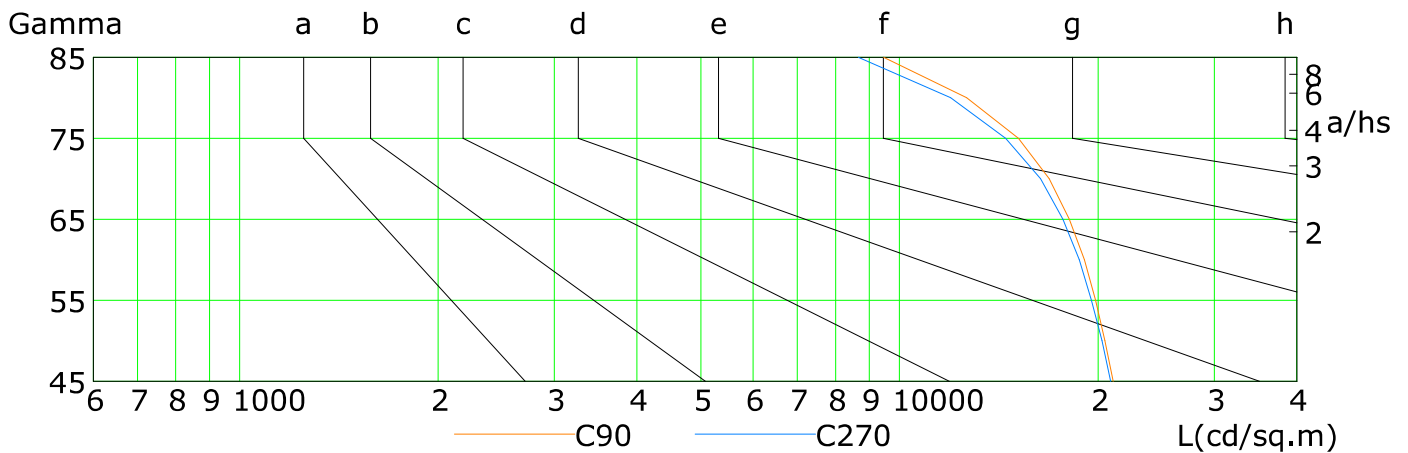
Humidity:

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	8722	7642	6601	5575	4554	3520	2475	1445	536
C90	21090	20483	19816	19061	18095	16863	15142	12643	9461
C180	8562	7475	6425	5396	4368	3337	2290	1268	412
C270	20897	20262	19534	18736	17689	16350	14489	11953	8661

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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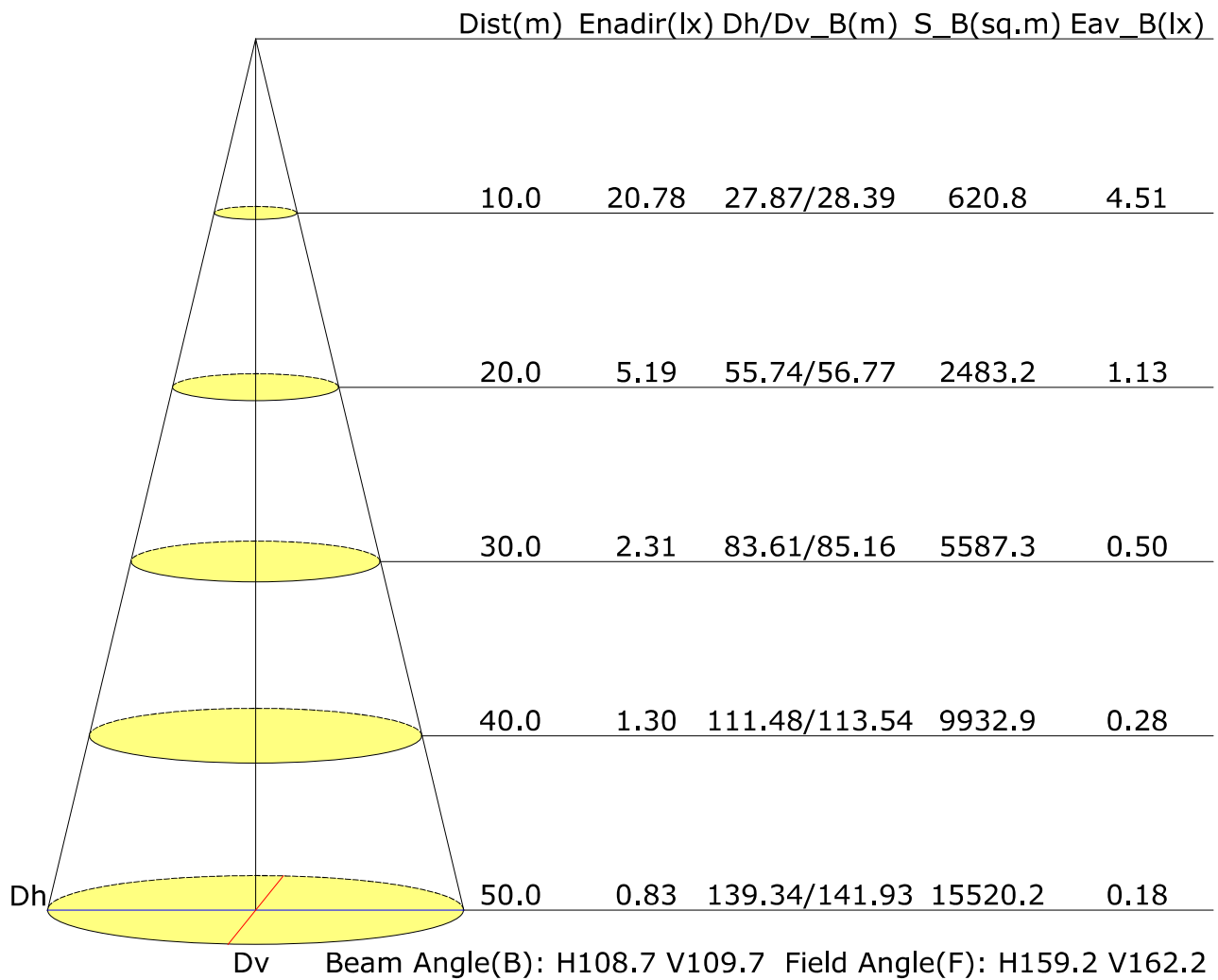
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 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: