

Report No.: 1

Test Time: 23.08.2018 14:57

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 55 0,35A 57W 5000K opal

Lamp Description: LED

Luminous Width (mm): 55

Voltage: 221.8 V

Power: 56.96 W

Luminous Length (mm): 1200

Luminous Height (mm): 85

Current: 0.262 A

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 6881 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, 109.2, 109.1

Luminaire Efficacy Rating (LER): 120.85

Max. Intensity: 2477.63 cd

S/MH(C0/C180): 1.23

Total Rated Lamp Lumens: 6881.0 lm

Efficiency: 100%

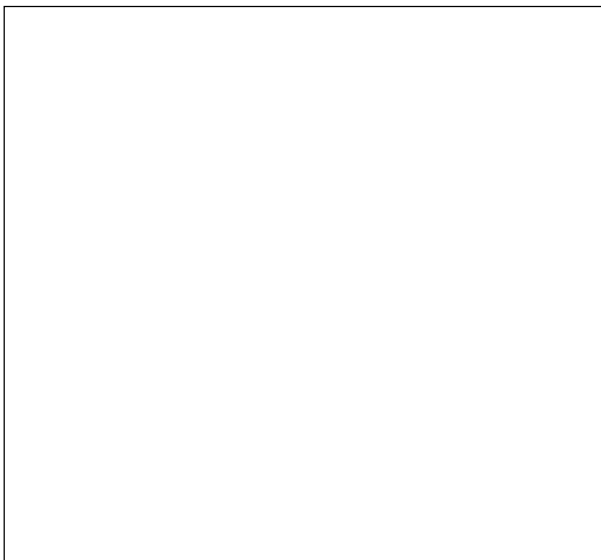
Upward Ratio: 1%

Central Intensity: 2473.6 cd

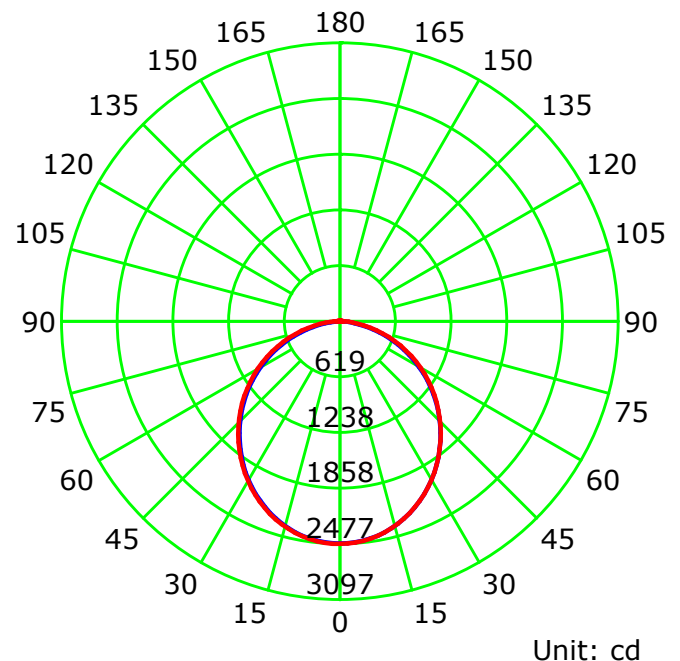
Pos of Max. Intensity: H112.5 V0

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

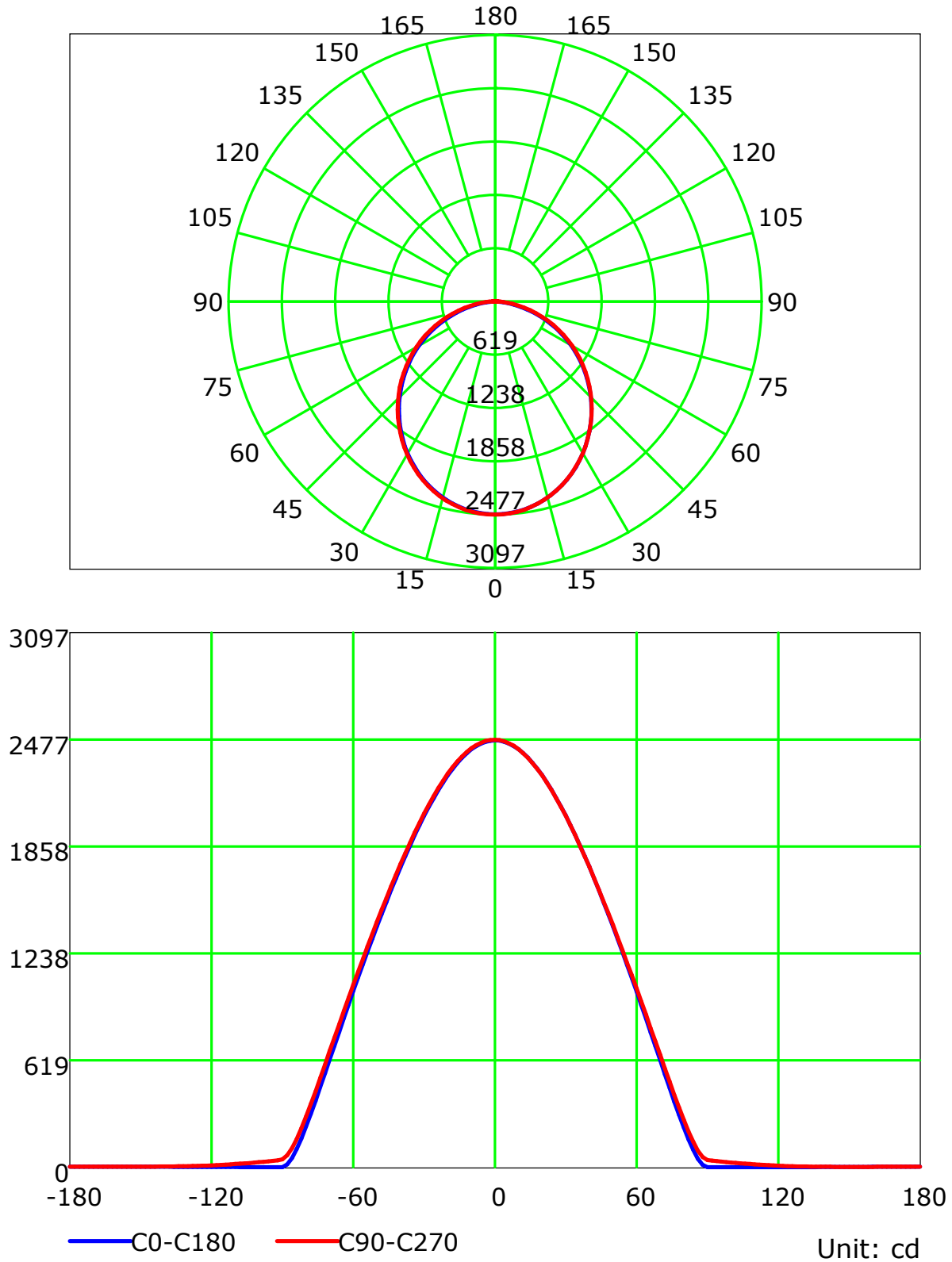
Test Device: LSG-1800B

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

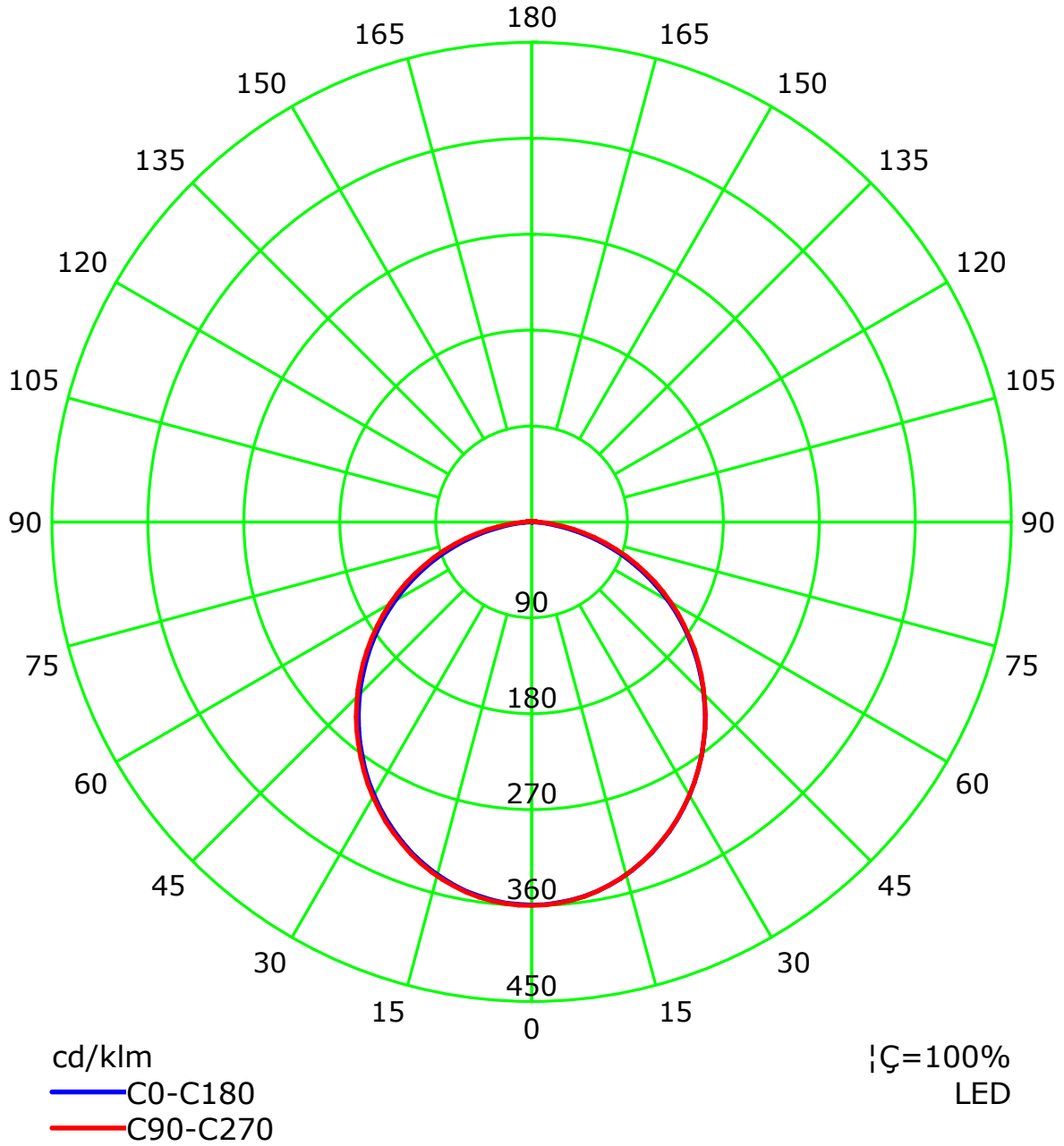
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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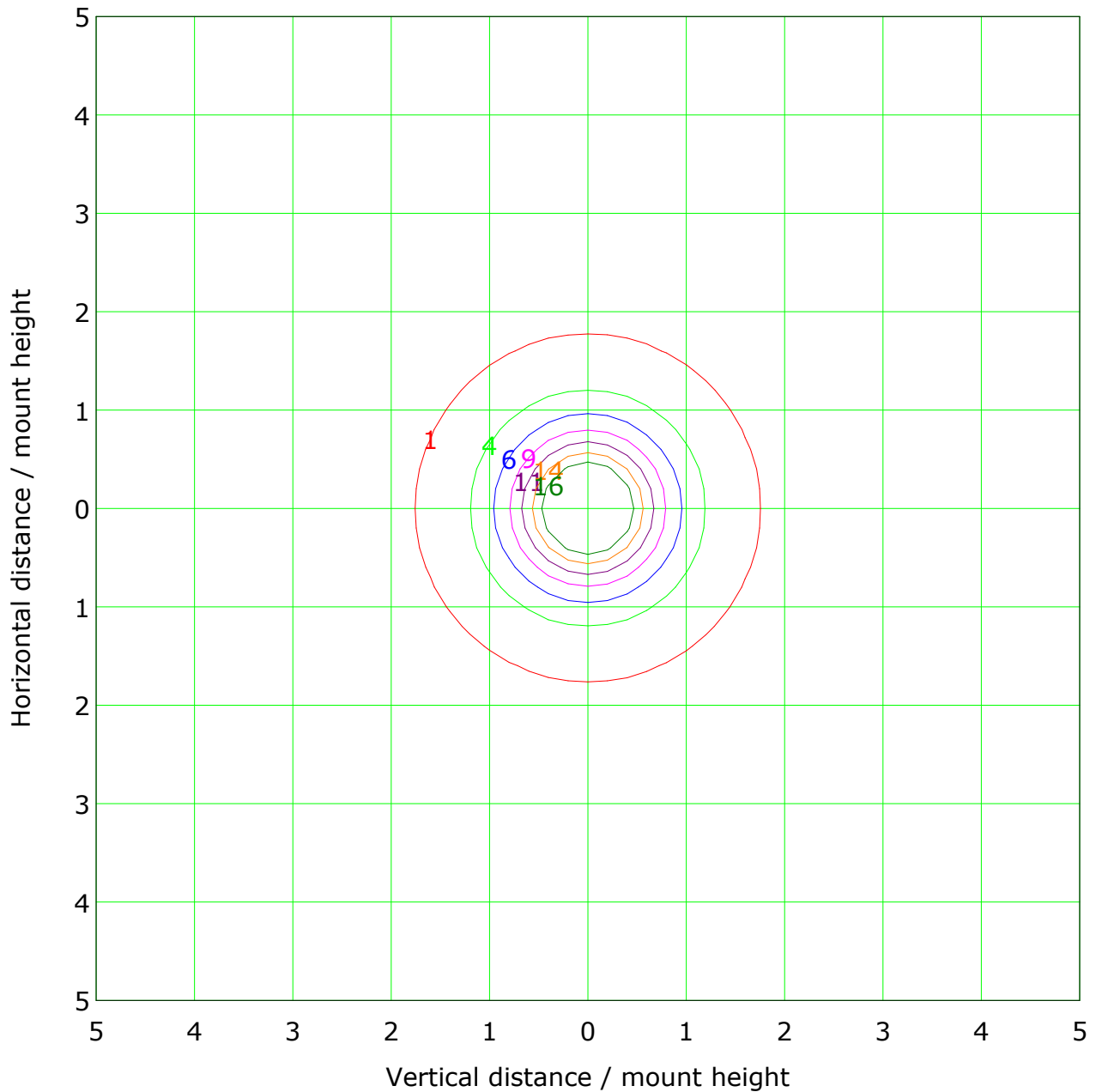
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 24.8 lx	
(5%):	1.2 lx	(15%):	3.7 lx
(25%):	6.2 lx	(35%):	8.7 lx
(45%):	11.1 lx	(55%):	13.6 lx
(65%):	16.1 lx		

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Test Type: TYPE C

Temperature:

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Test Device: LSG-1800B

Distance: 12.654 m

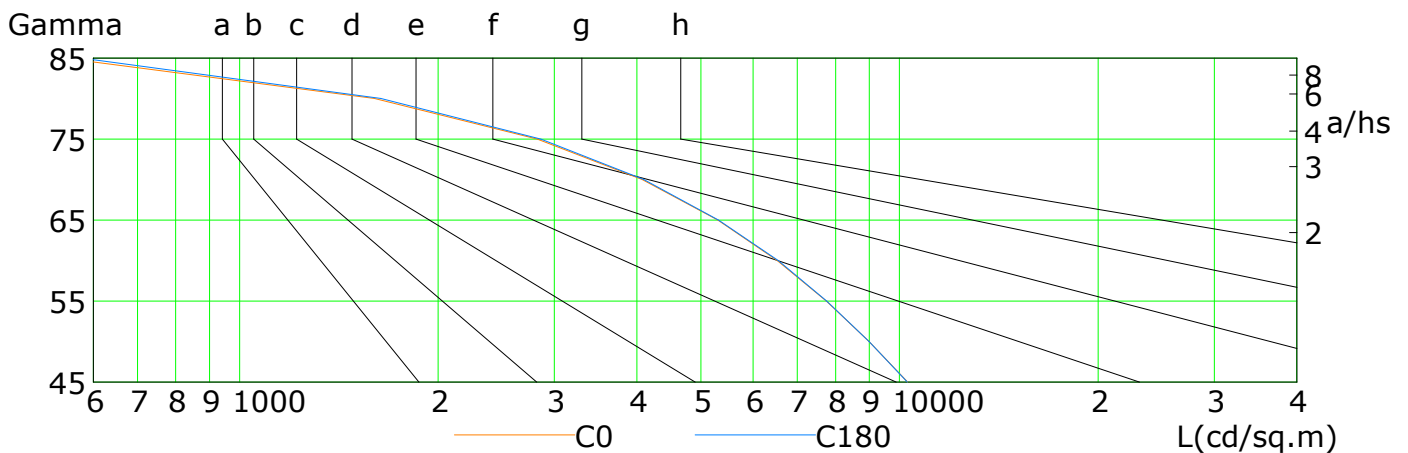
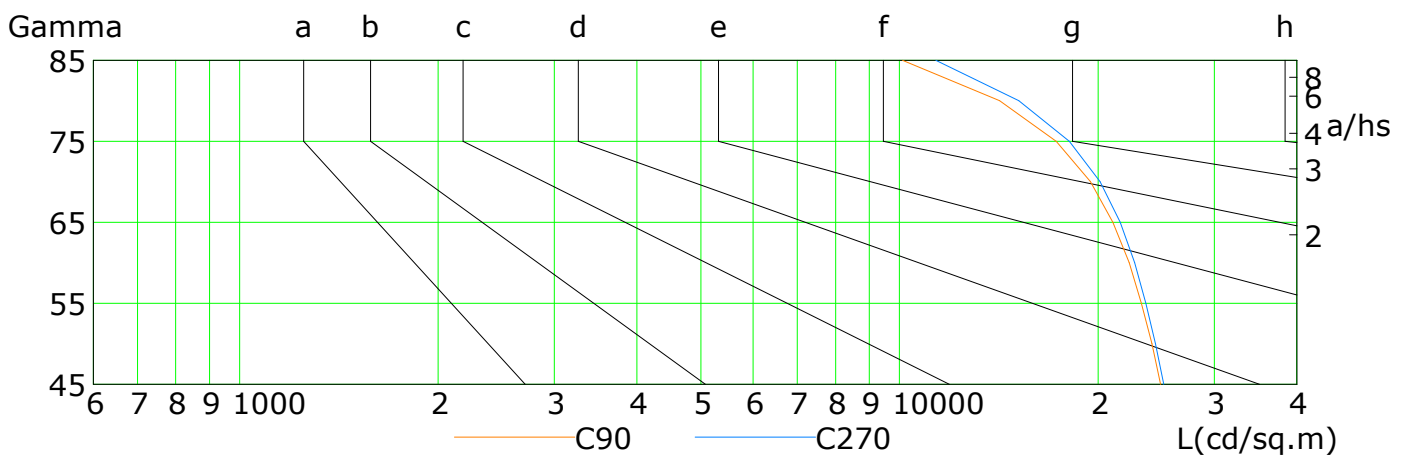
Humidity:

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	10285	8994	7750	6524	5305	4072	2825	1600	545
C90	24858	24121	23251	22288	21056	19474	17273	14179	10111
C180	10279	8994	7760	6543	5321	4093	2862	1637	576
C270	25157	24437	23635	22717	21609	20142	18081	15158	11353

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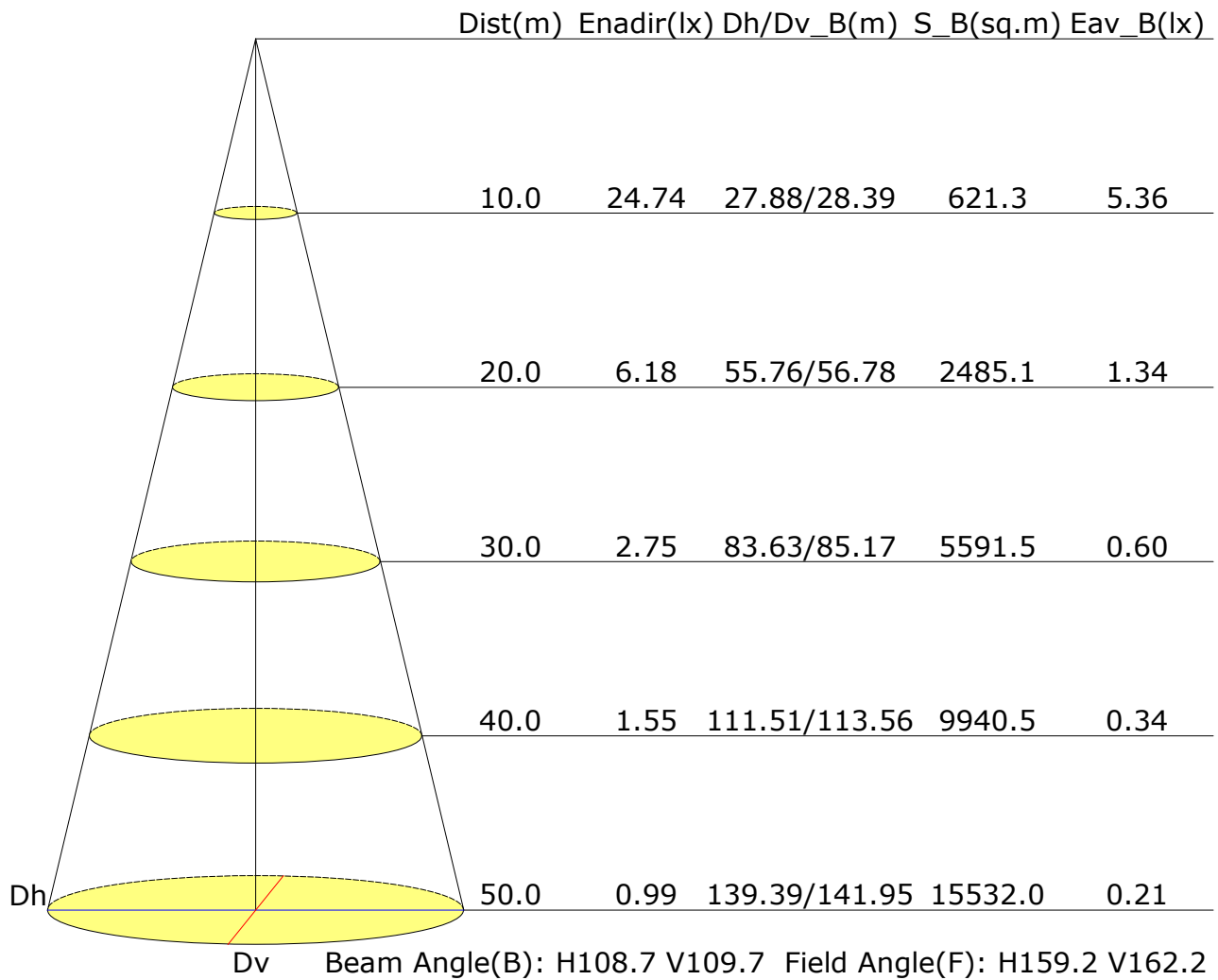
Test Device: LSG-1800B

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: