

Report No.: 1

Test Time: 22.06.2018 12:23

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 180 18LED 0,32A 36W 4000K

Lamp Description: LED

Luminous Width (mm): 180

Voltage: 231.6 V

Power: 35.63 W

Luminous Length (mm): 1200

Luminous Height (mm): 35

Current: 0.158 A

Power Factor: 0.972

Photometric Results

CIE Class: Direct

Measurement Flux: 3982 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.0, 162.1, 154.1, 153.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.4, 78.9, 77.3, 77.4

Luminaire Efficacy Rating (LER): 111.81

Max. Intensity: 1998.32 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 3982.0 lm

Efficiency: 100%

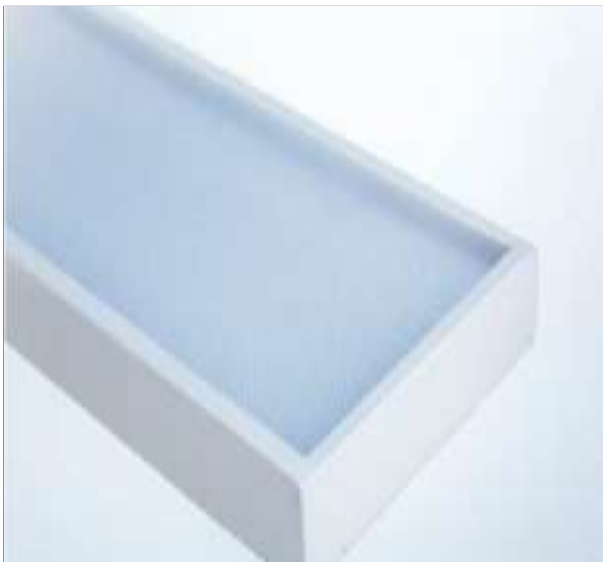
Upward Ratio: 0%

Central Intensity: 1998.31 cd

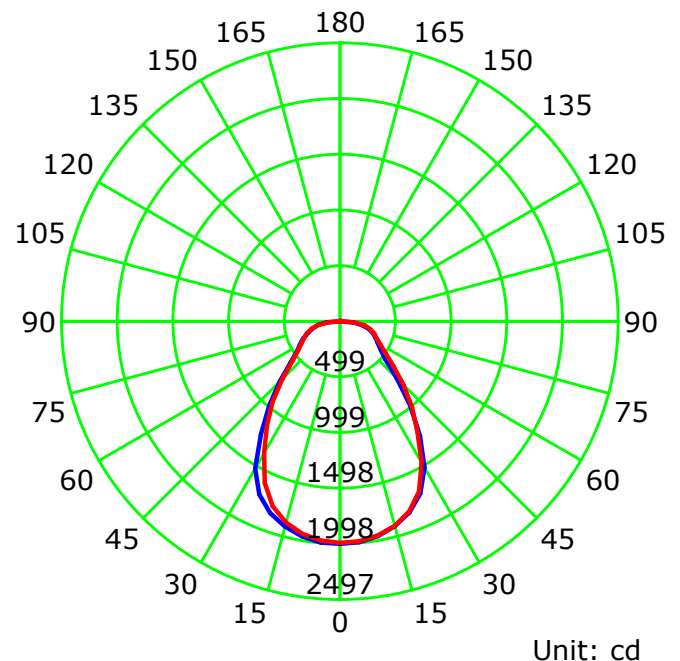
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.09

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 (°):0.0-180.0:5.0

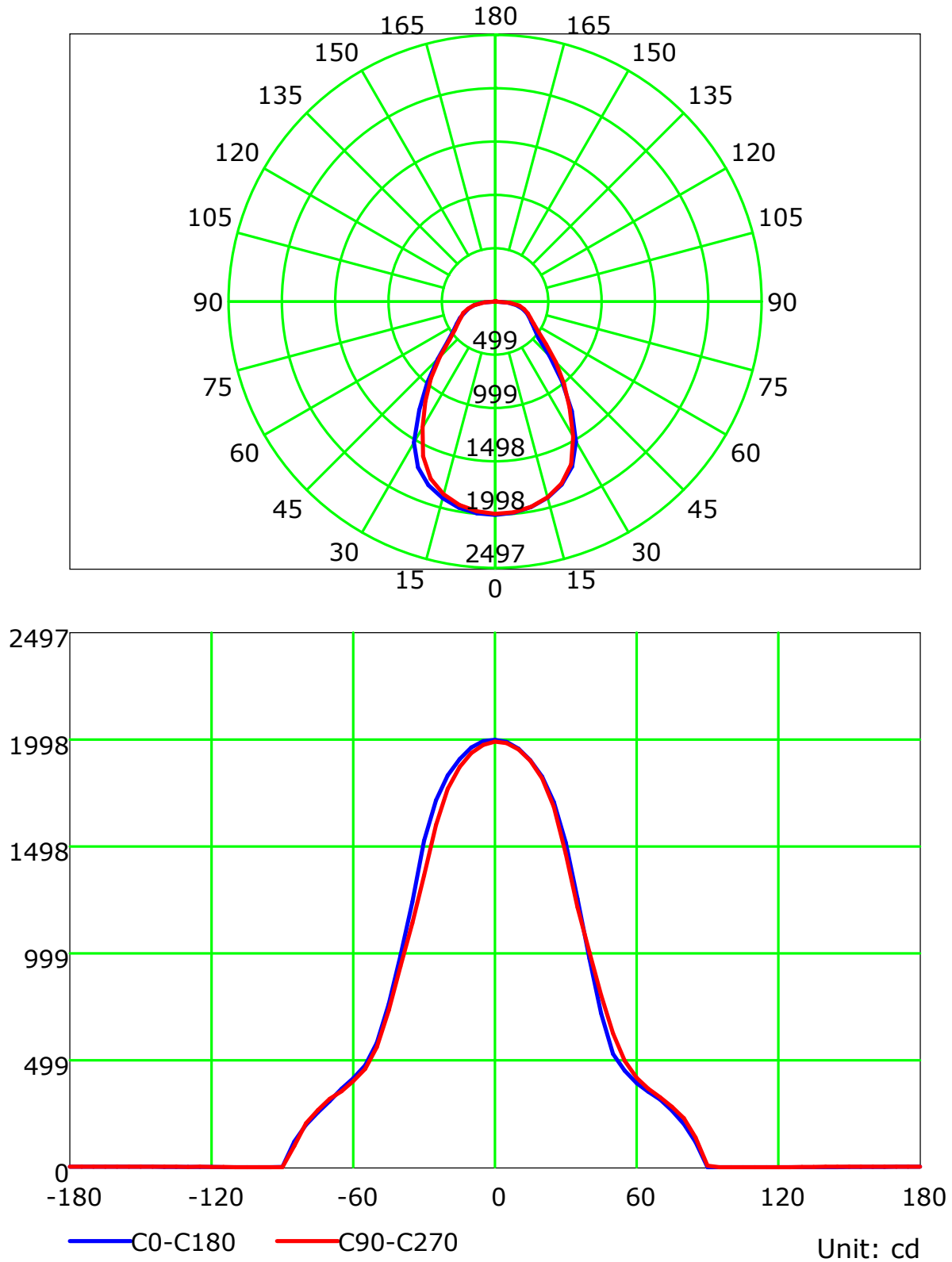
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

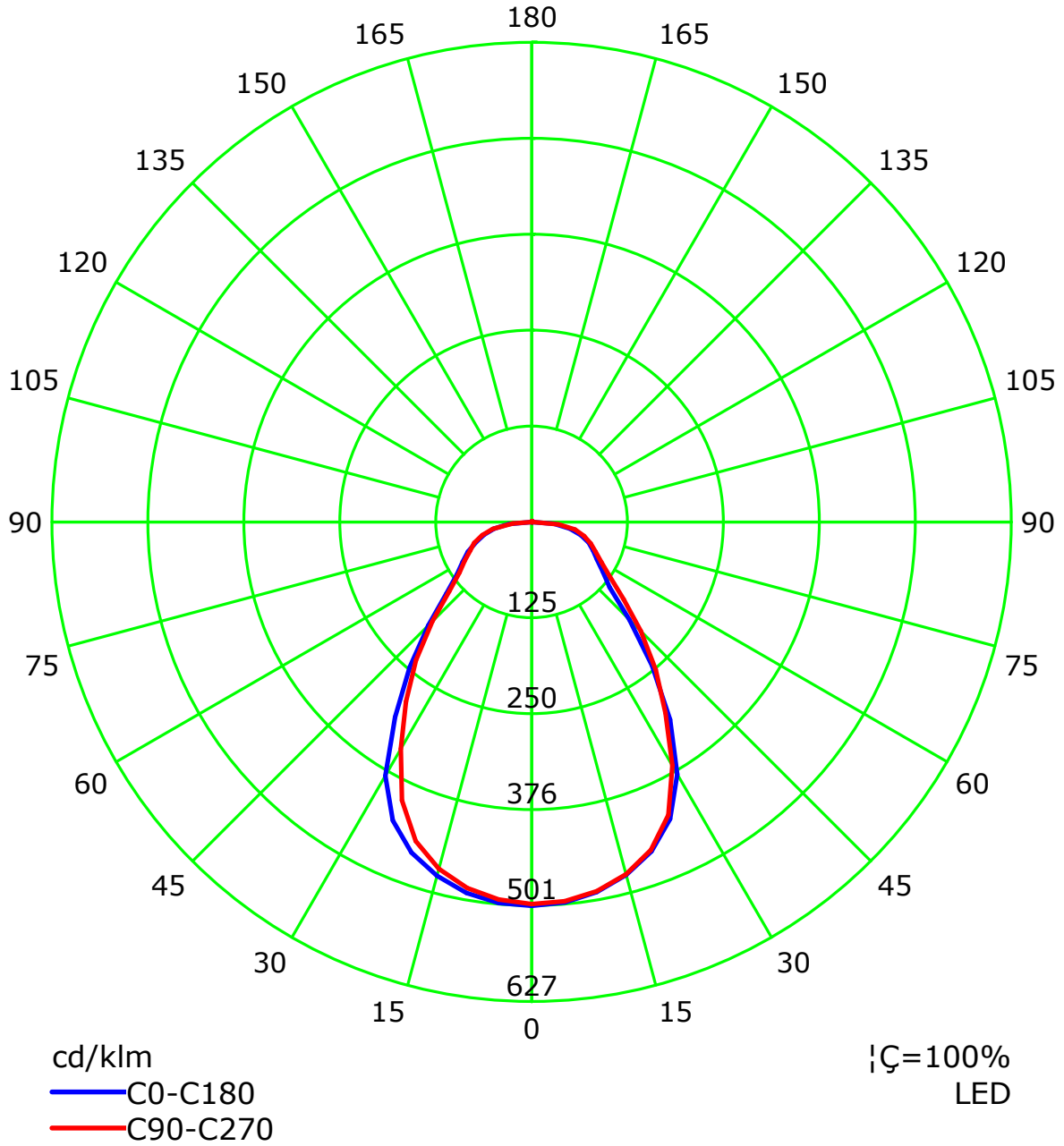
Test Device: LSG-1800B

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:

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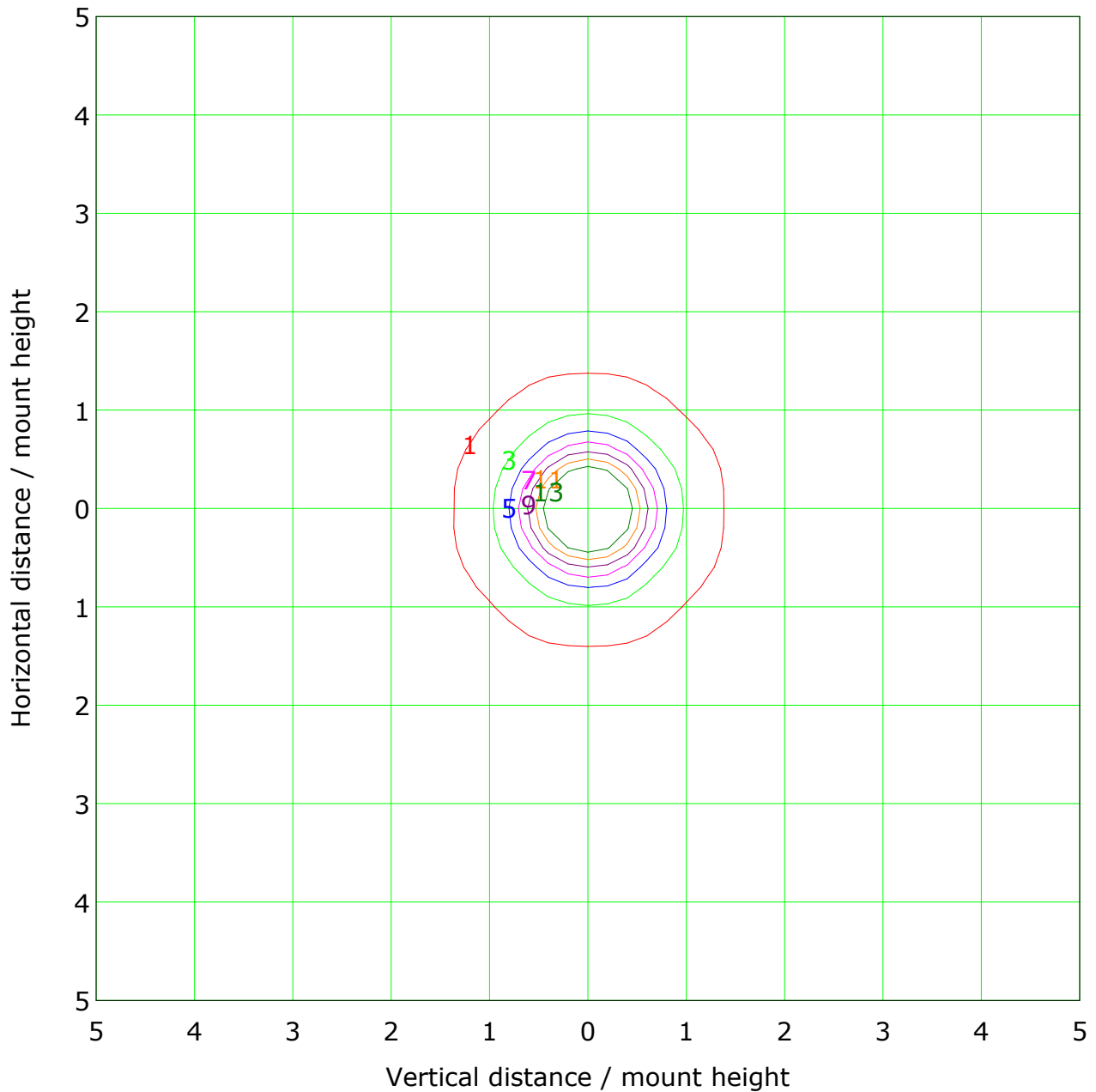
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 20.0 lx

(5%): 1.0 lx	(15%): 3.0 lx
(25%): 5.0 lx	(35%): 7.0 lx
(45%): 9.0 lx	(55%): 11.0 lx
(65%): 13.0 lx	

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Test Lab:

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Temperature:

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Test Device: LSG-1800B

Distance: 12.654 m

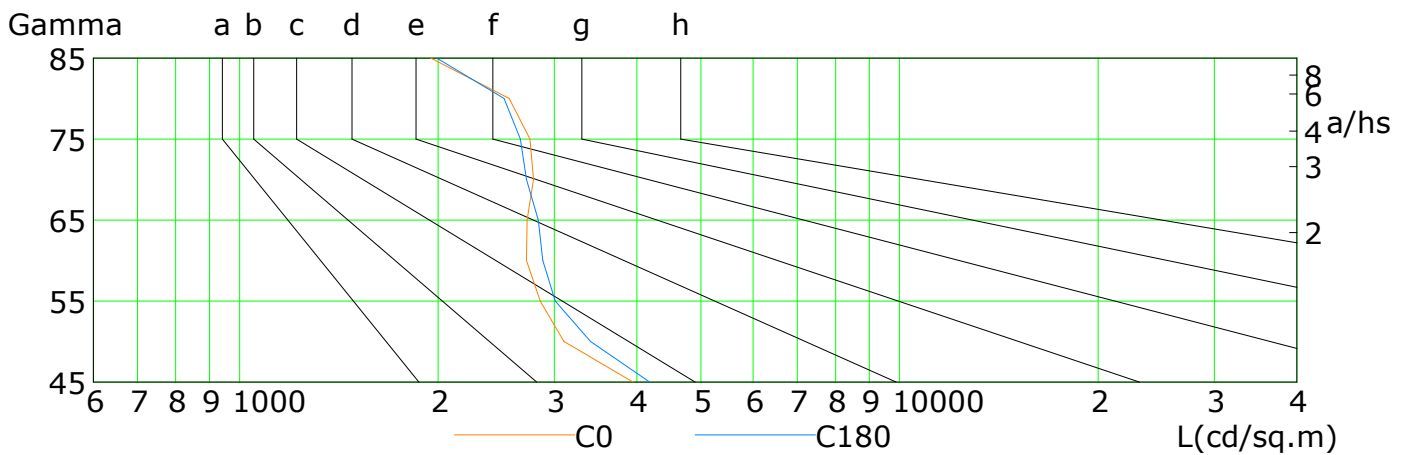
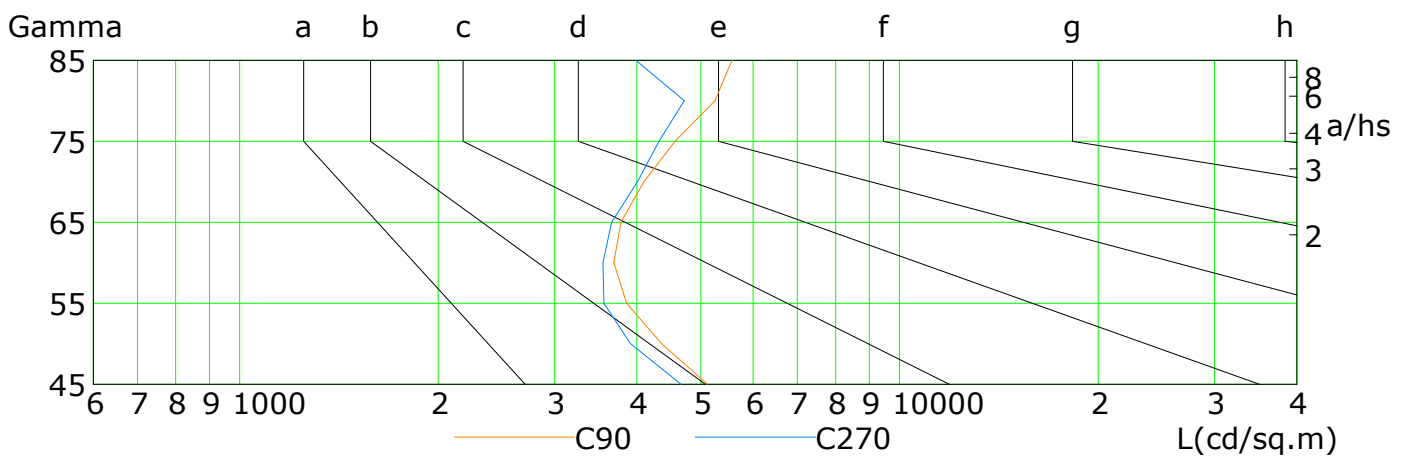
Humidity:

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	3948	3099	2856	2722	2726	2790	2753	2561	1948
C90	5123	4360	3860	3692	3784	4101	4566	5251	5576
C180	4184	3403	3010	2880	2837	2722	2665	2516	1990
C270	4666	3911	3564	3553	3662	4007	4319	4720	3987

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Temperature:

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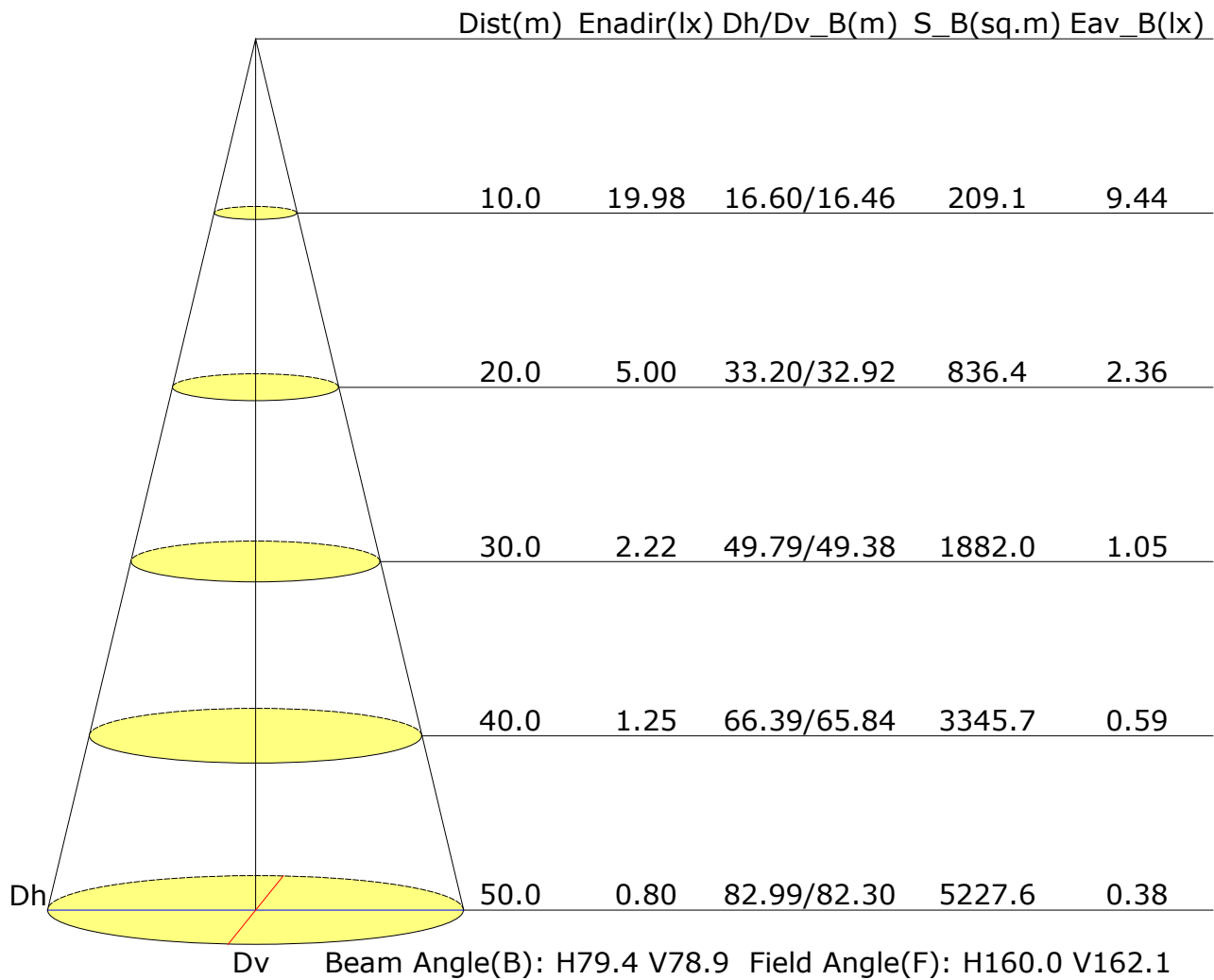
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: