

Report No.: 20

Test Time: 11.05.2018 15:01

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 180 24LED 0,3A 32W 5000K

Lamp Description: LED

Luminous Width (mm): 180

Voltage: 230.9 V

Power: 30.80 W

Luminous Length (mm): 1200

Luminous Height (mm): 35

Current: 0.136 A

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Measurement Flux: 3992.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.1, 162.6, 154.4, 154.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.8, 79.1, 77.4, 77.4

Luminaire Efficacy Rating (LER): 129.66

Max. Intensity: 1988.98 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 3992.1 lm

Efficiency: 100%

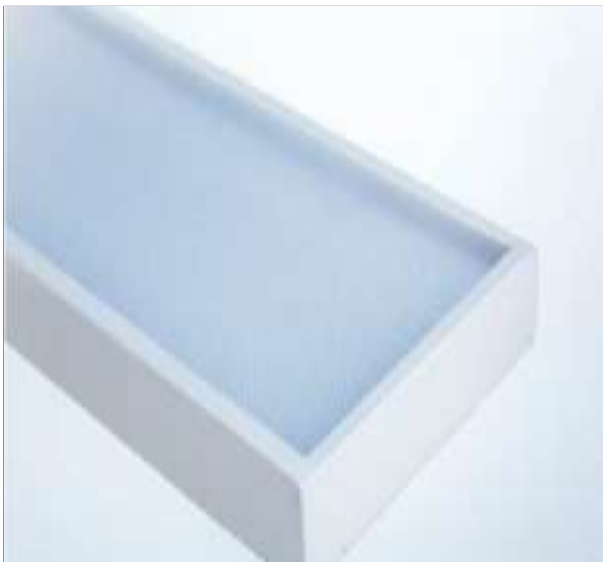
Upward Ratio: 0%

Central Intensity: 1988.81 cd

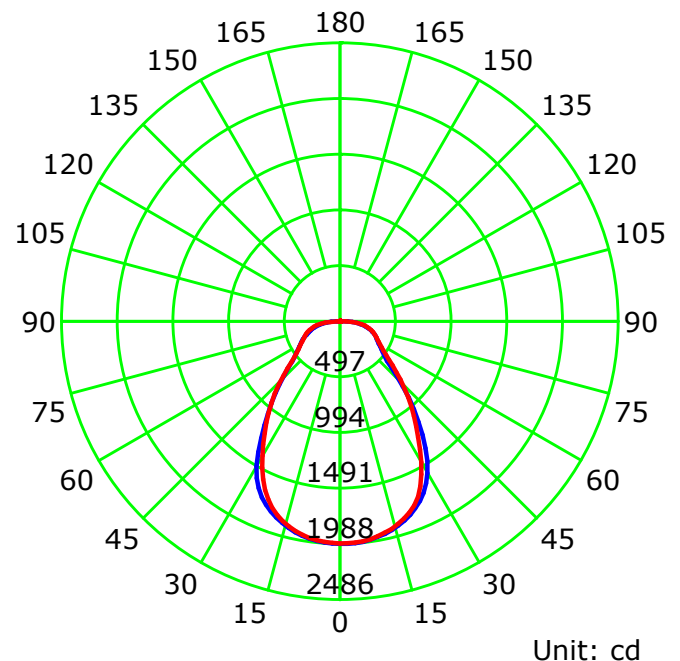
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 1.10

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

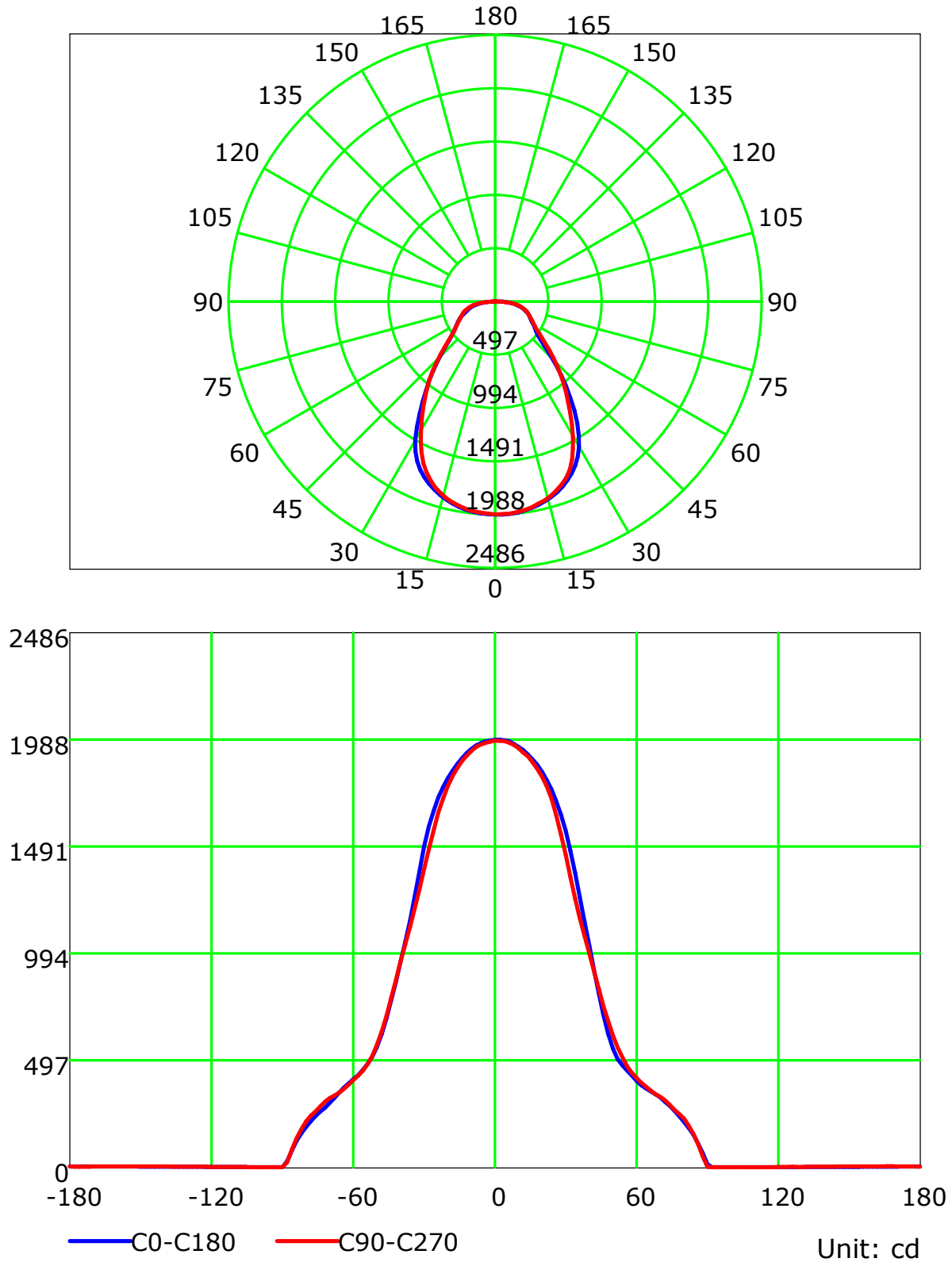
Test Device: LSG-1800B

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

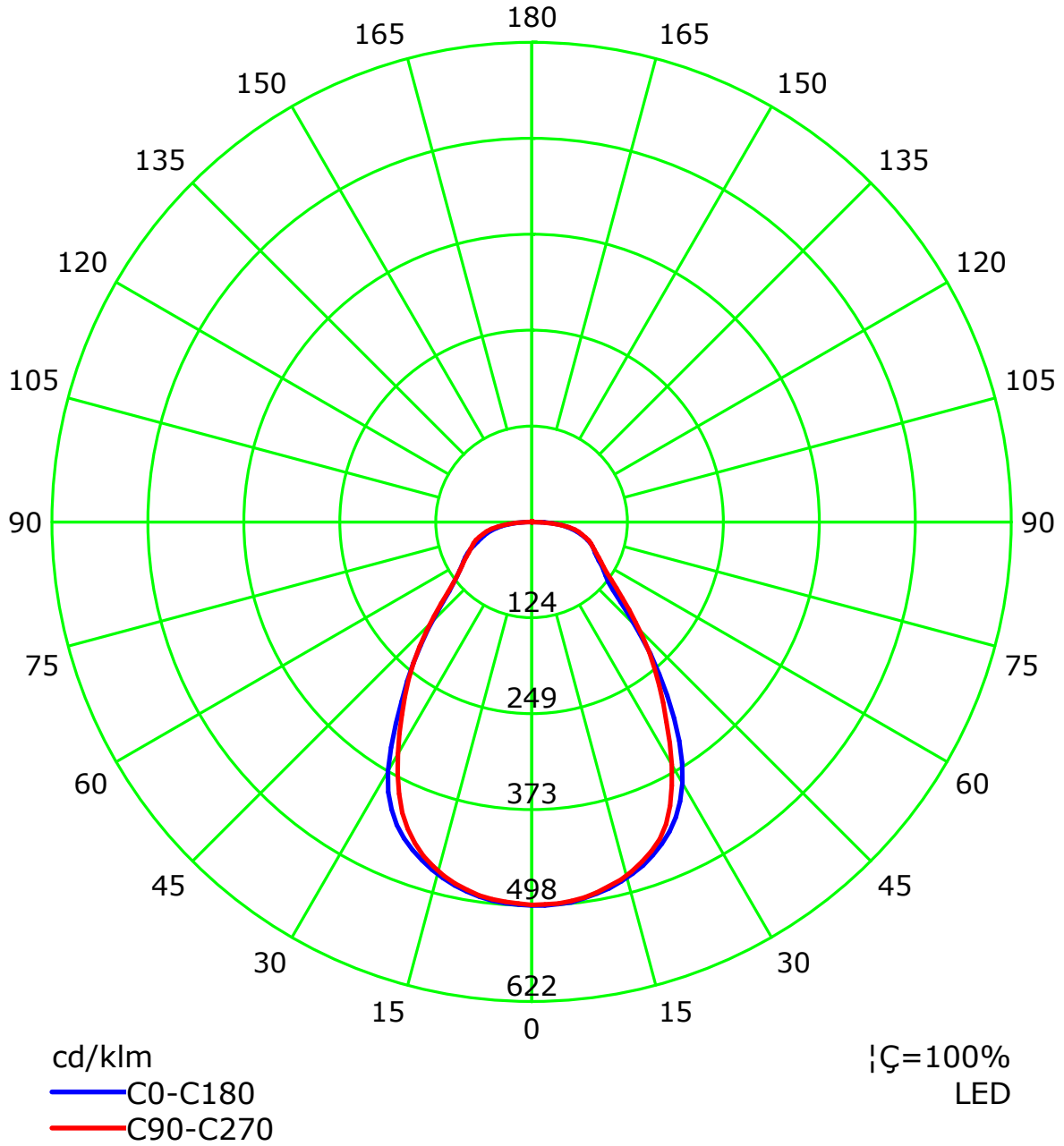
Test Device: LSG-1800B

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:

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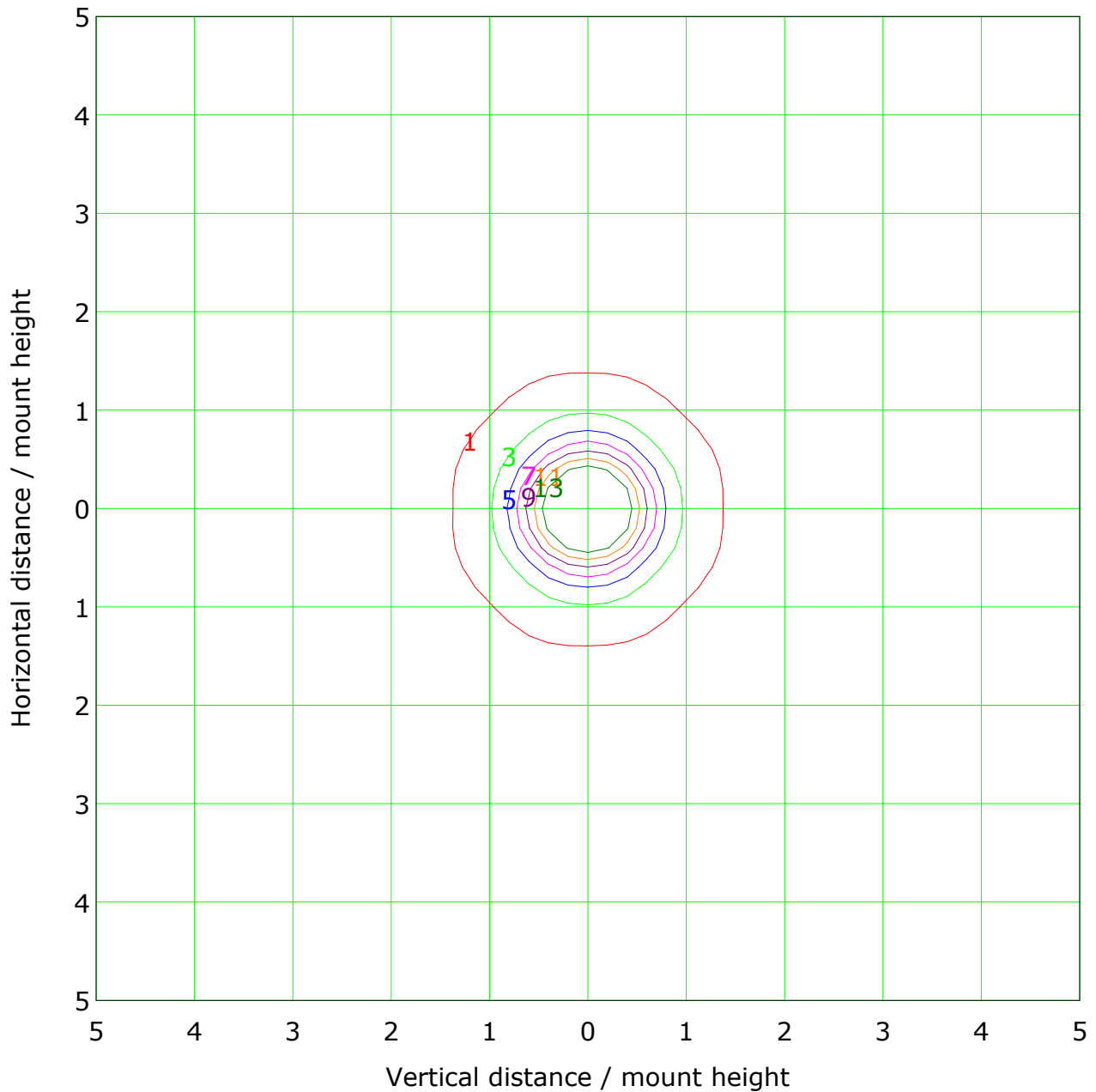
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 19.9 lx

(5%): 1.0 lx	(15%): 3.0 lx
(25%): 5.0 lx	(35%): 7.0 lx
(45%): 8.9 lx	(55%): 10.9 lx
(65%): 12.9 lx	

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

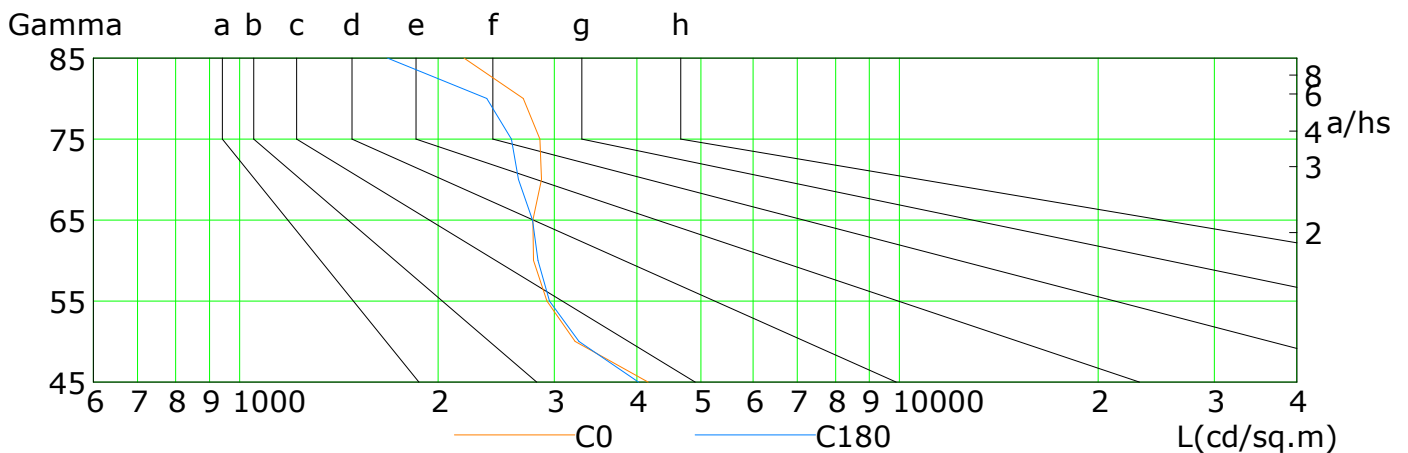
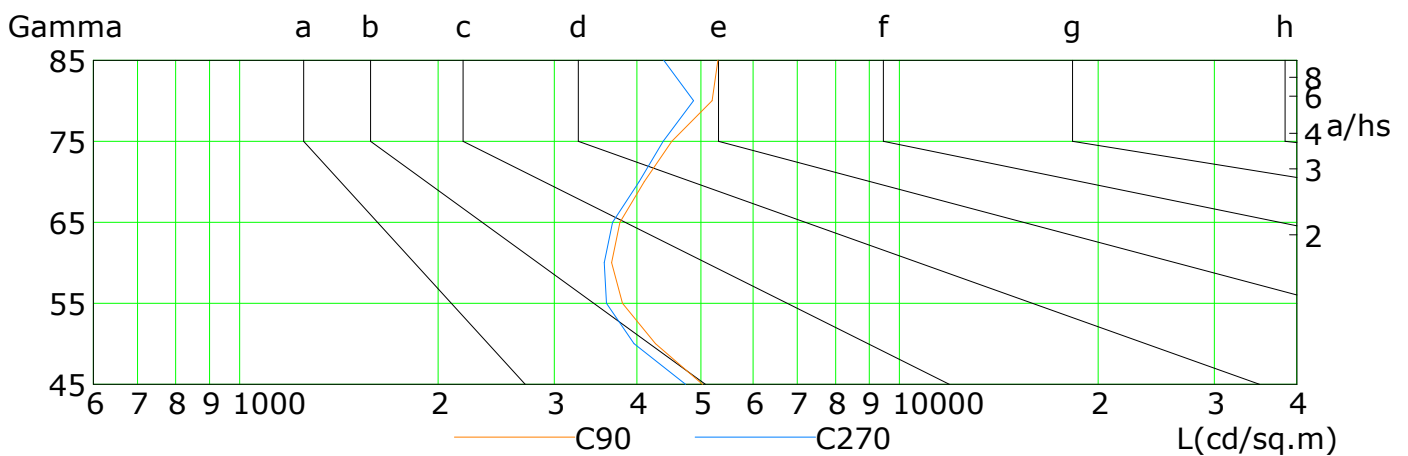
Humidity:

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	4162	3224	2922	2788	2783	2866	2851	2691	2188
C90	5030	4267	3806	3662	3772	4102	4519	5198	5309
C180	4024	3269	2948	2834	2778	2645	2581	2368	1676
C270	4741	3962	3599	3571	3674	4032	4384	4872	4393

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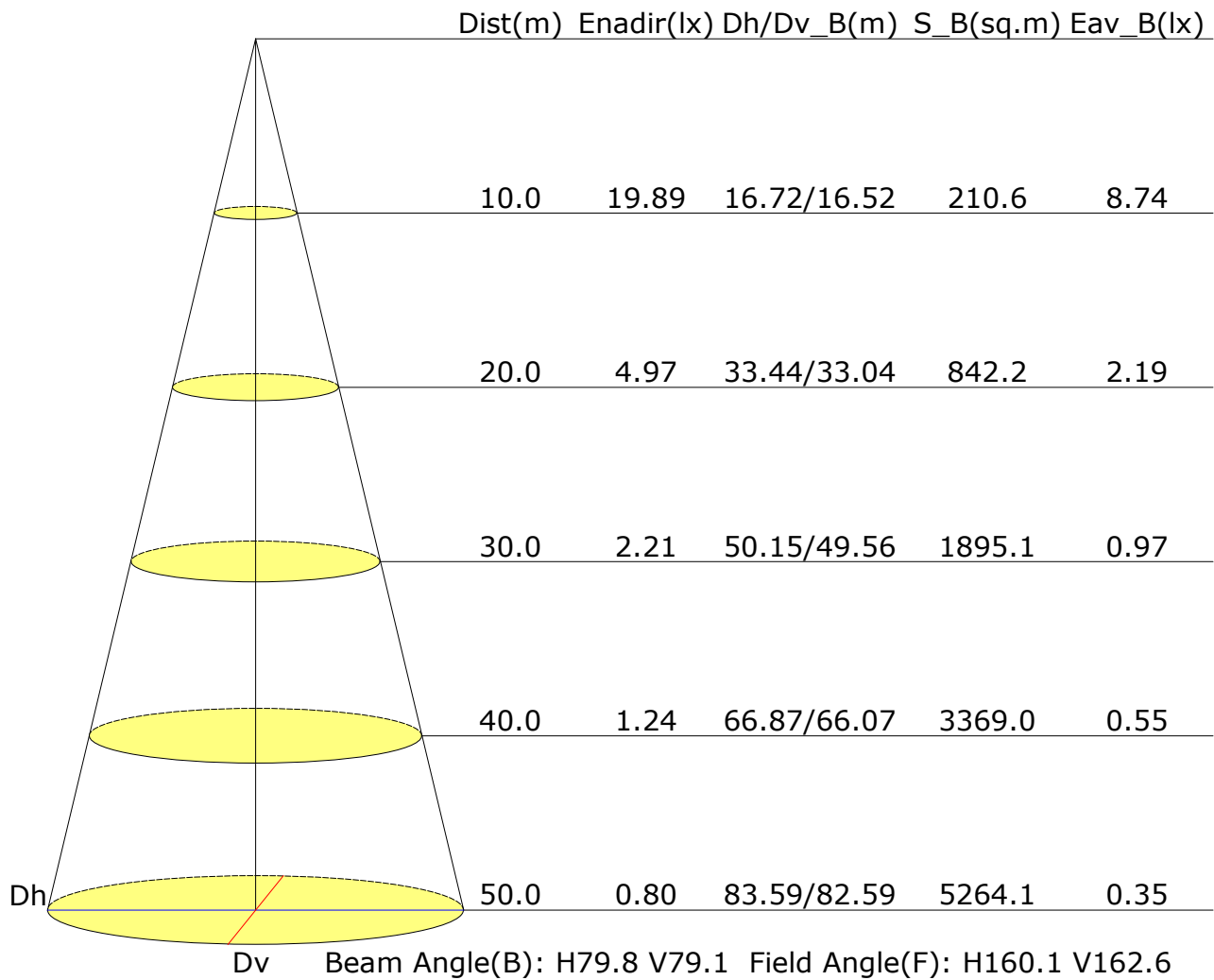
Test Device: LSG-1800B

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: