

Report No.: 1

Test Time: 04.05.2018 10:04

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 595 4x18LED 0,3A 36W Refond 32-34,5Lm 5000K microprism

Lamp Description: LED

Luminous Width (mm): 595

Voltage: 231.8 V

Power: 36.11 W

Luminous Length (mm): 595

Luminous Height (mm): 35

Current: 0.158 A

Power Factor: 0.984

Photometric Results

CIE Class: Direct

Measurement Flux: 4430.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.9, 159.7, 154.9, 154.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 82.5, 80.2, 78.9, 78.7

Luminaire Efficacy Rating (LER): 122.73

Max. Intensity: 2160.9 cd

S/MH(C0/C180): 1.13

Total Rated Lamp Lumens: 4430.1 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2157.23 cd

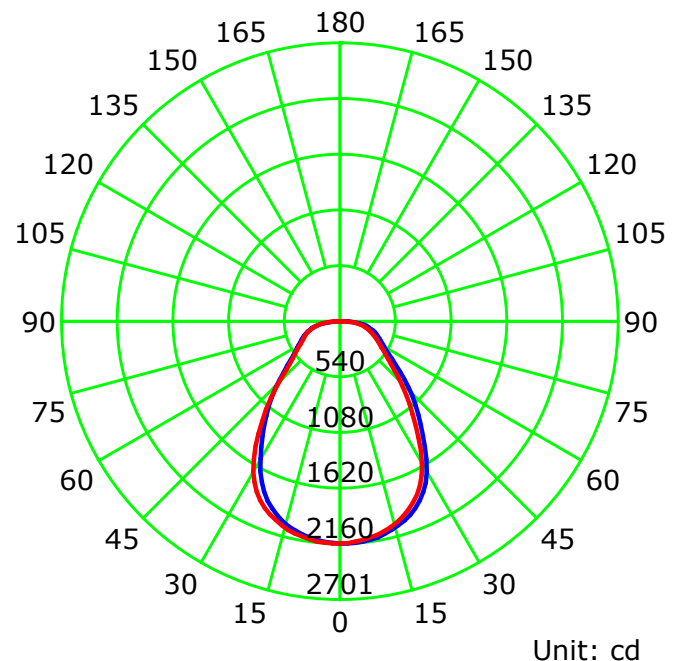
Pos of Max. Intensity: H135 V0

S/MH(C90/C270): 1.14

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

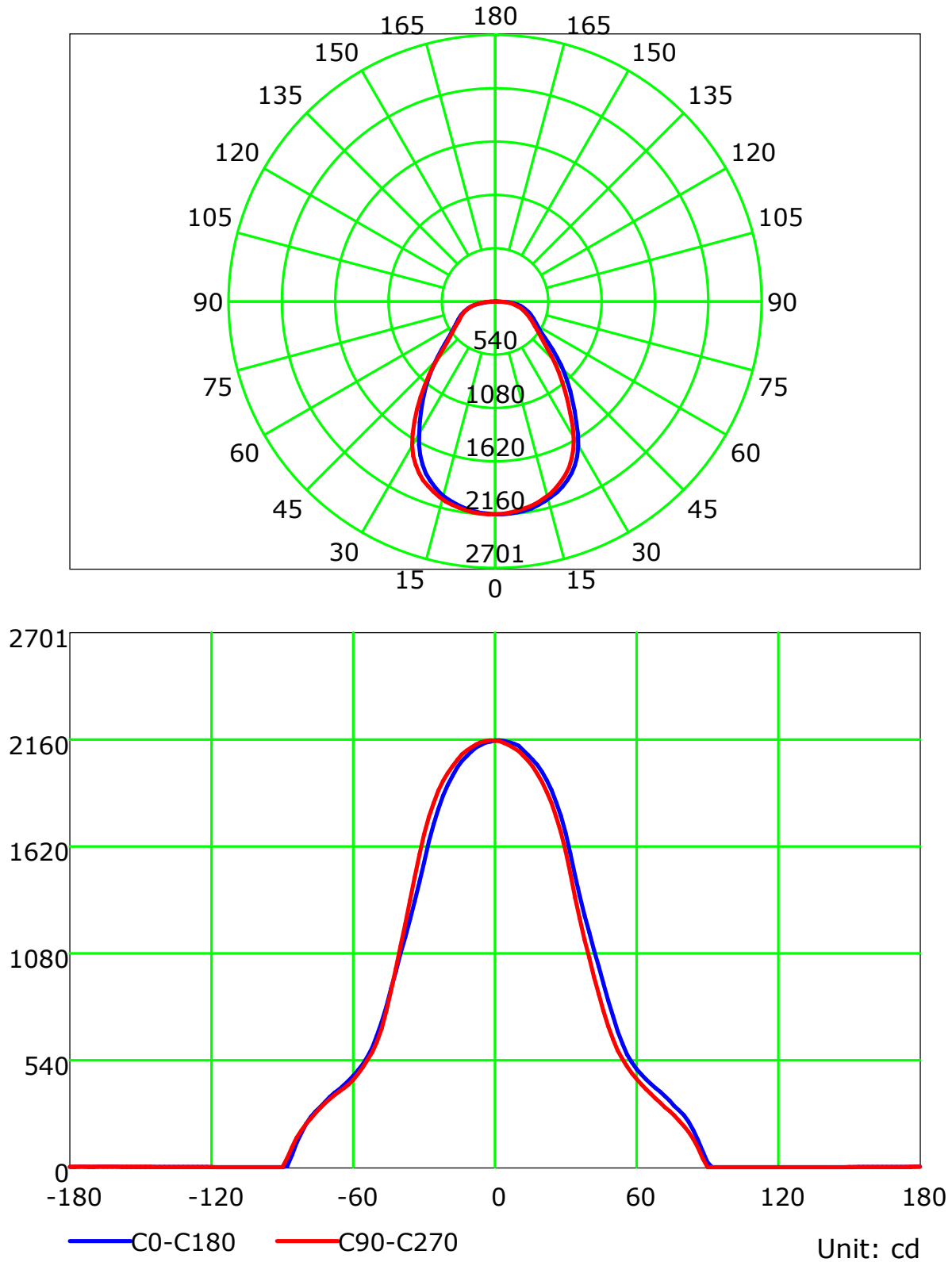
Test Device: LSG-1800B

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

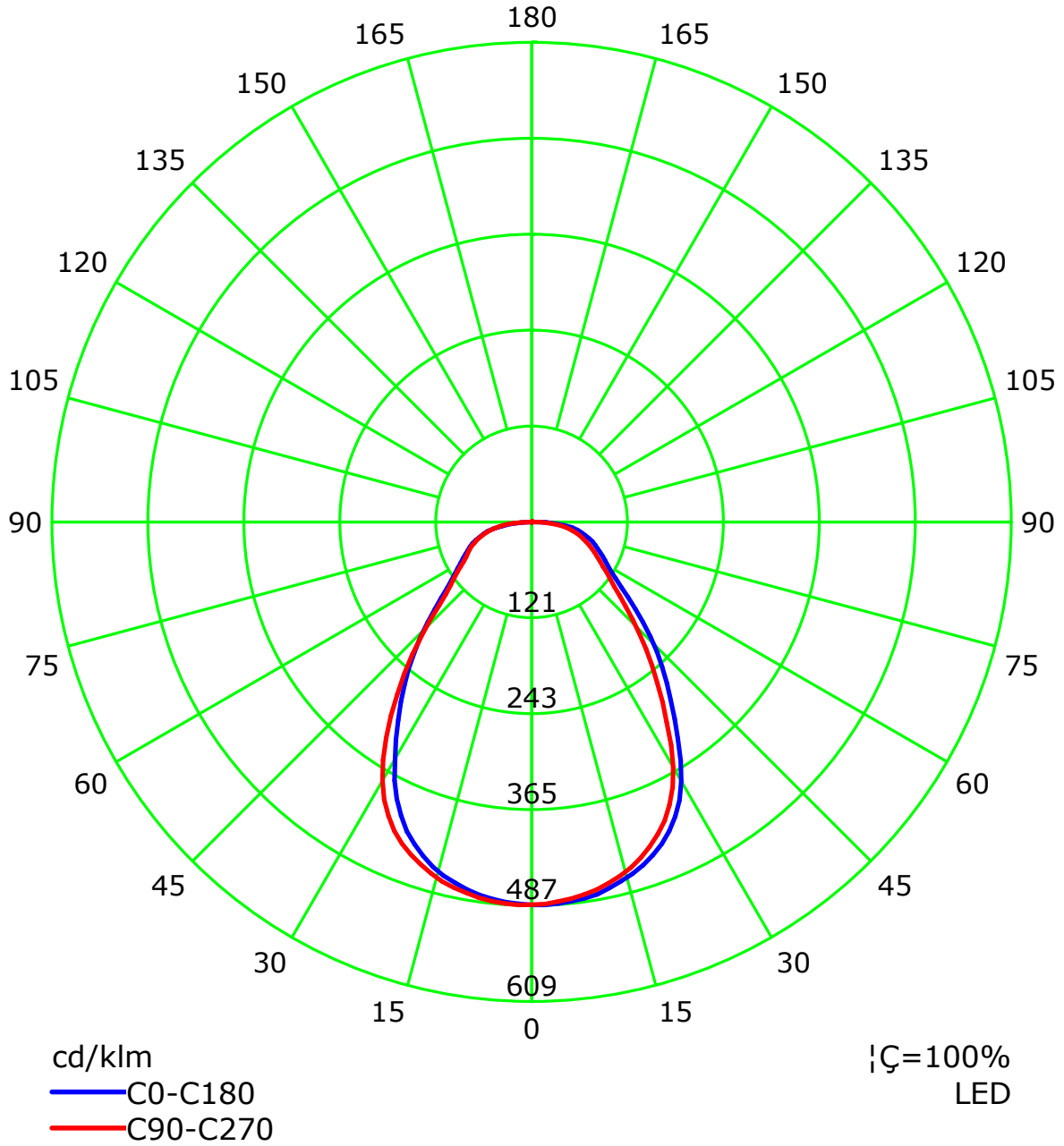
Test Device: LSG-1800B

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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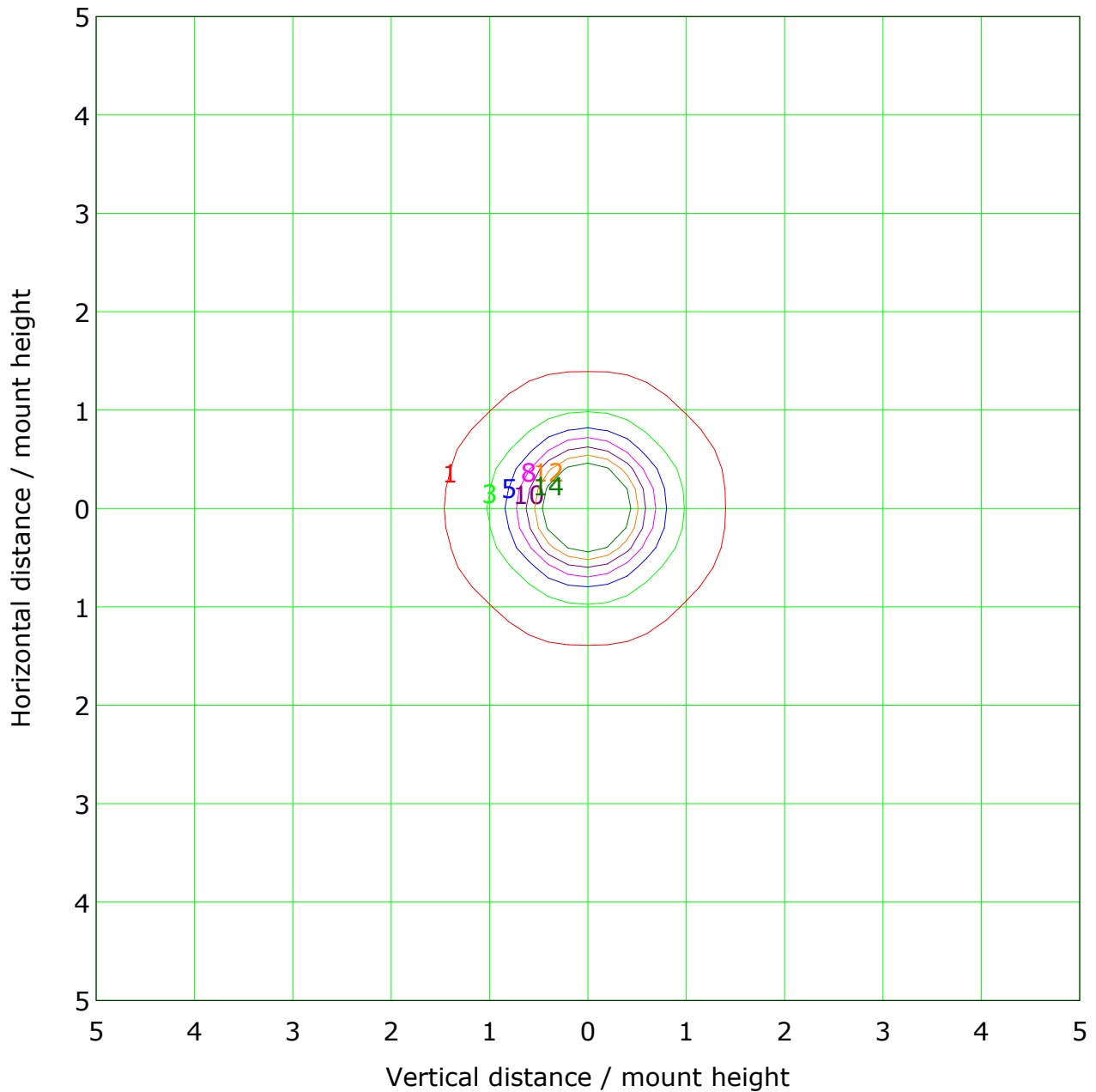
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 21.6 lx	
(5%):	1.1 lx	(15%):	3.2 lx
(25%):	5.4 lx	(35%):	7.6 lx
(45%):	9.7 lx	(55%):	11.9 lx
(65%):	14.0 lx		

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Test Device: LSG-1800B

Distance: 12.654 m

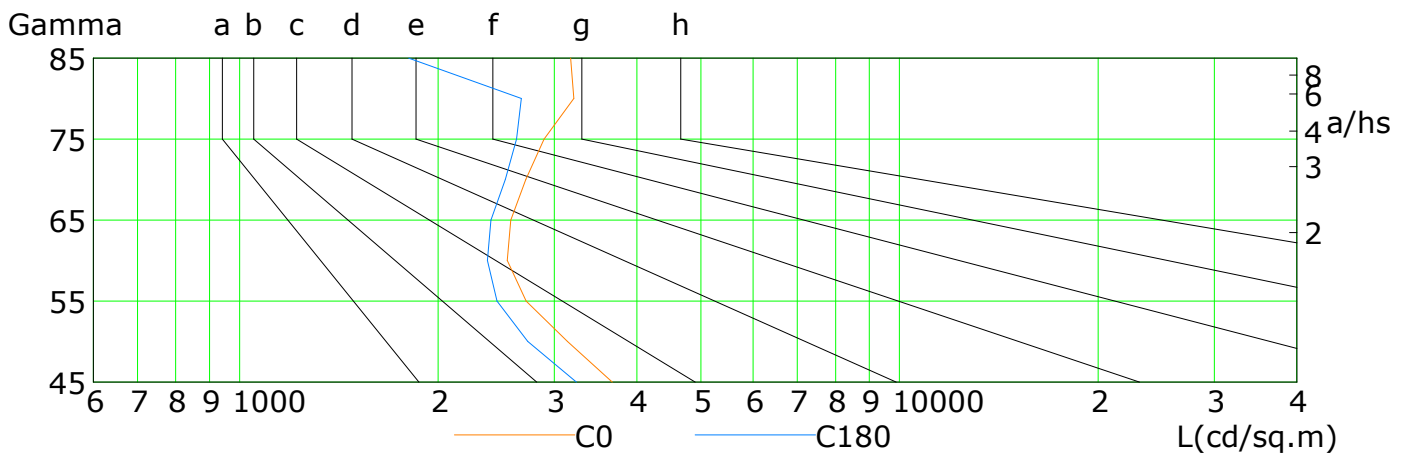
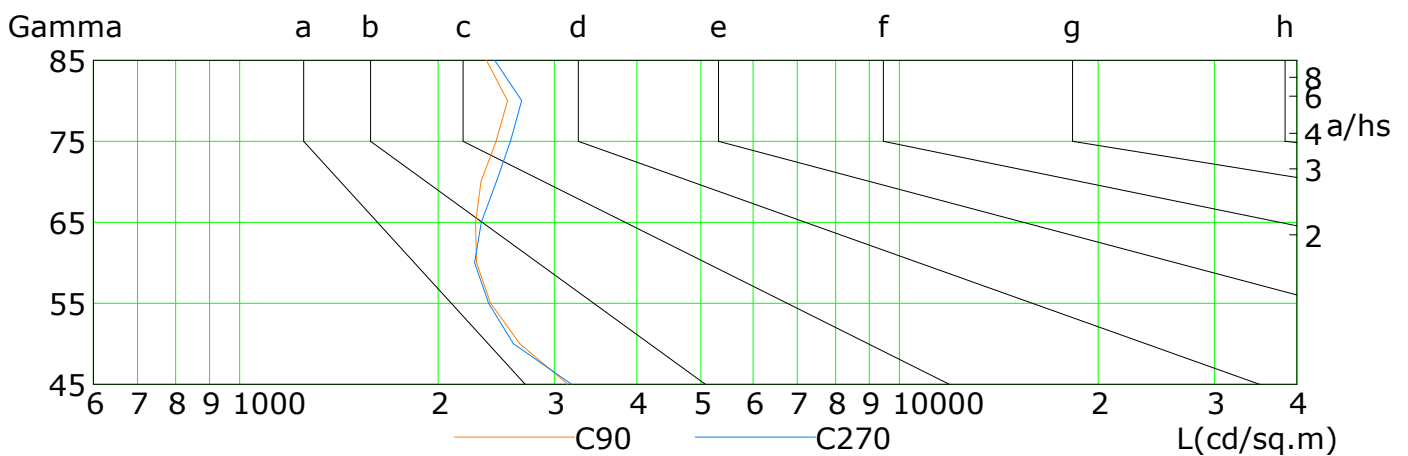
Humidity:

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	3668	3138	2718	2544	2575	2715	2895	3210	3173
C90	3141	2658	2400	2285	2277	2322	2446	2548	2366
C180	3240	2732	2455	2374	2404	2526	2628	2674	1804
C270	3184	2599	2385	2270	2325	2451	2572	2675	2435

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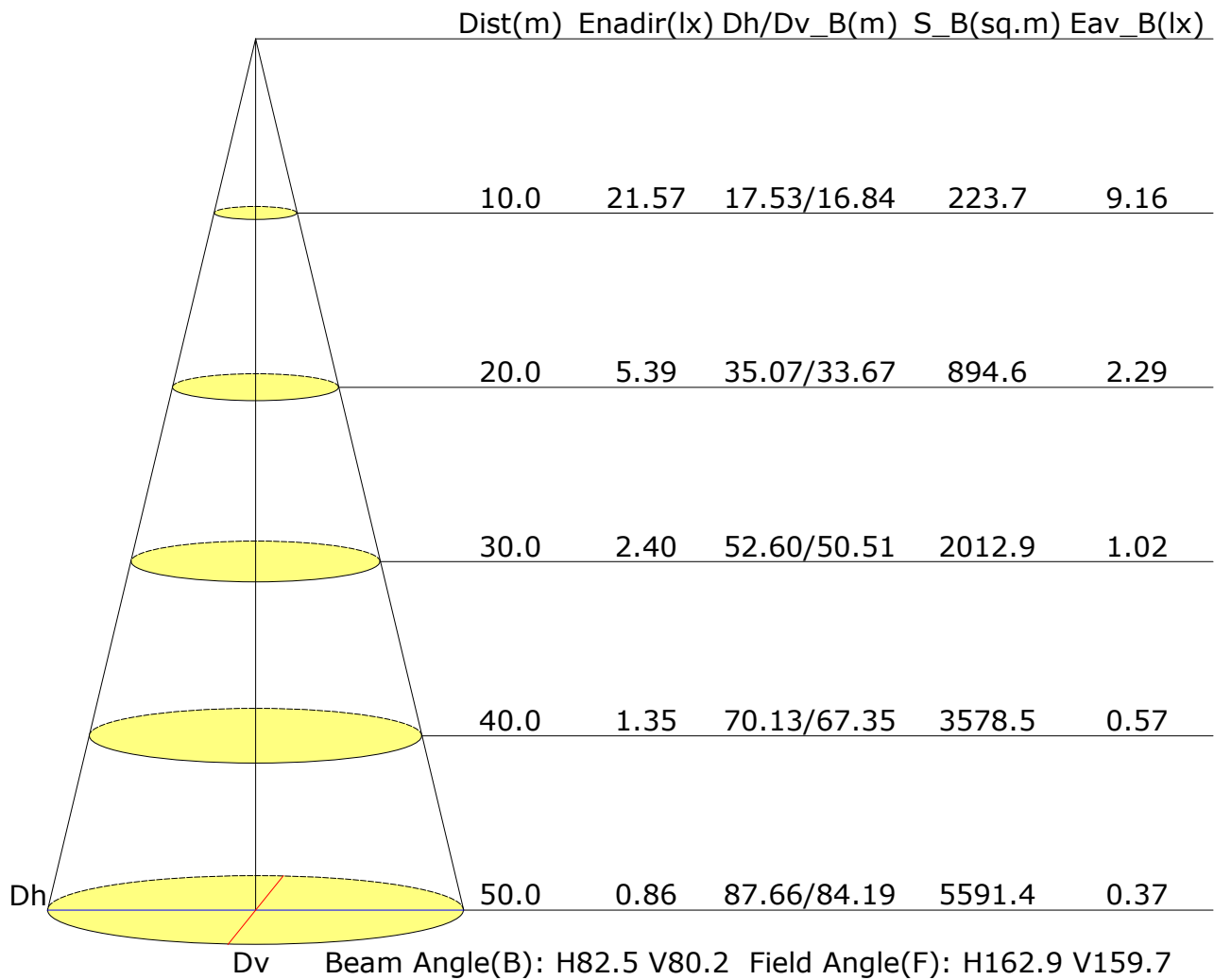
Test Device: LSG-1800B

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: