

Report No.: 1

Test Time: 08.05.2018 14:32

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 595 4x40LED 0,3A 38W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Length (mm): 595

Luminous Width (mm): 595

Luminous Height (mm): 35

Voltage: 231.8 V

Current: 0.165 A

Power: 37.77 W

Power Factor: 0.985

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5199.8 lm

Measurement Flux: 5199.8 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.3, 163.3, 155.6, 155.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.9, 81.5, 78.7, 78.4

Luminaire Efficacy Rating (LER): 137.72

Central Intensity: 2537.58 cd

Max. Intensity: 2537.59 cd

Pos of Max. Intensity: H0 V0

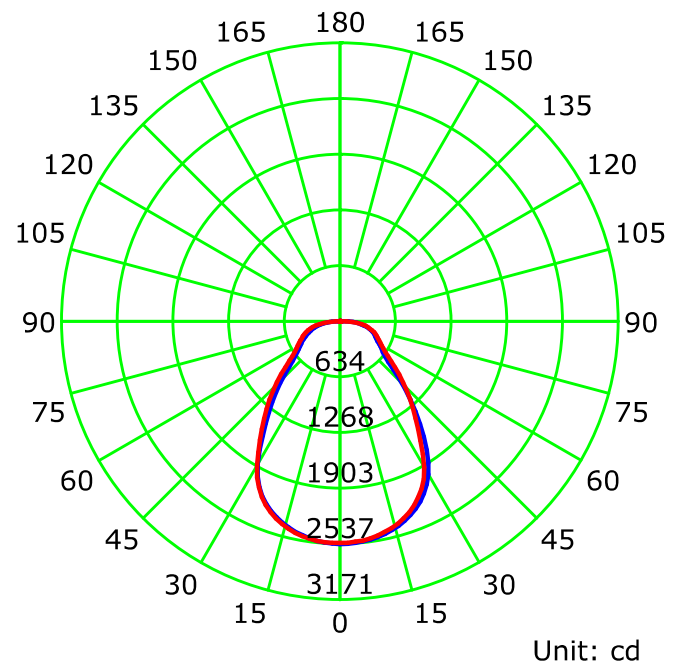
S/MH(C0/C180): 1.15

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

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

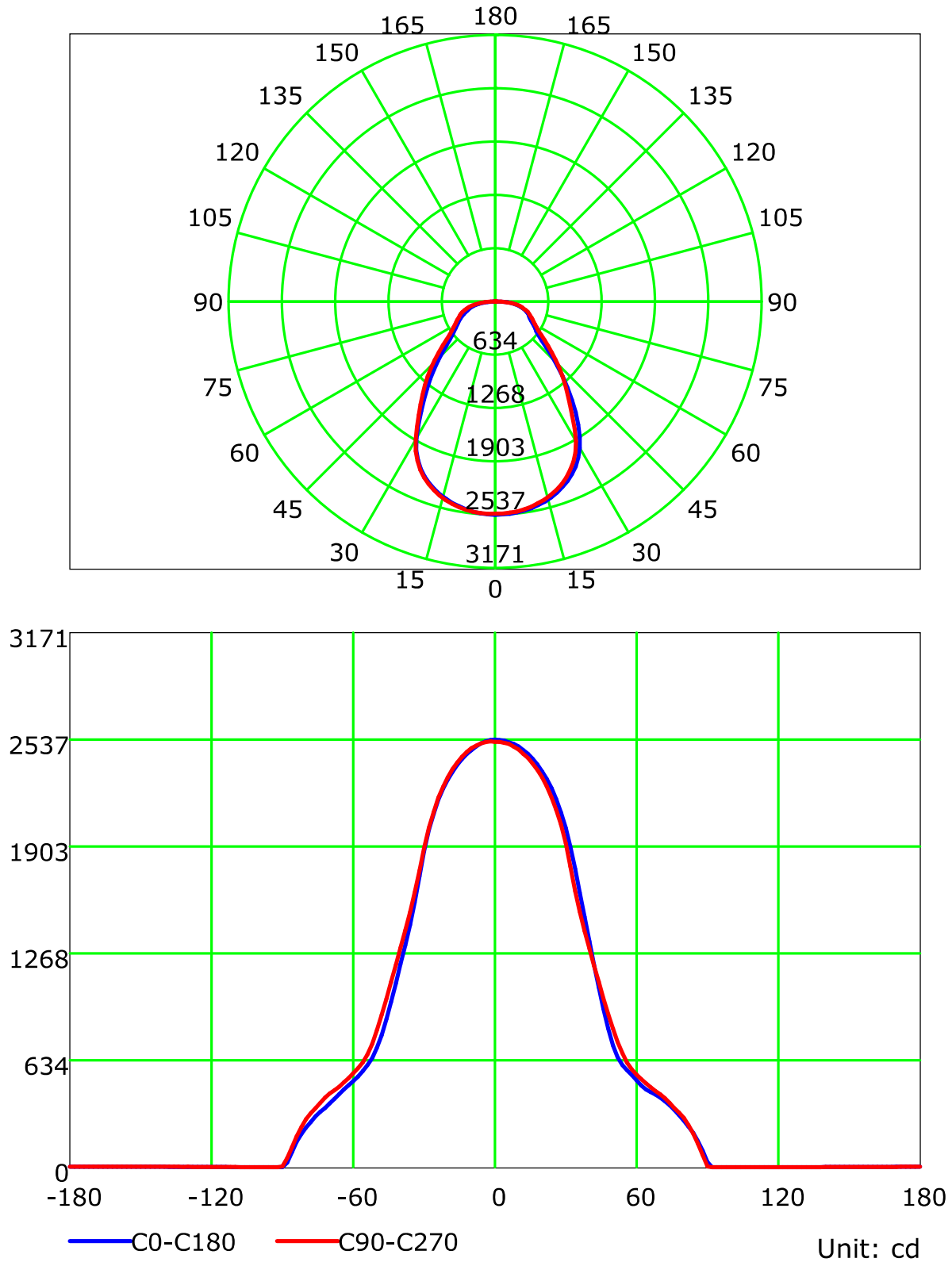
Temperature:

Humidity:

Operator:

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

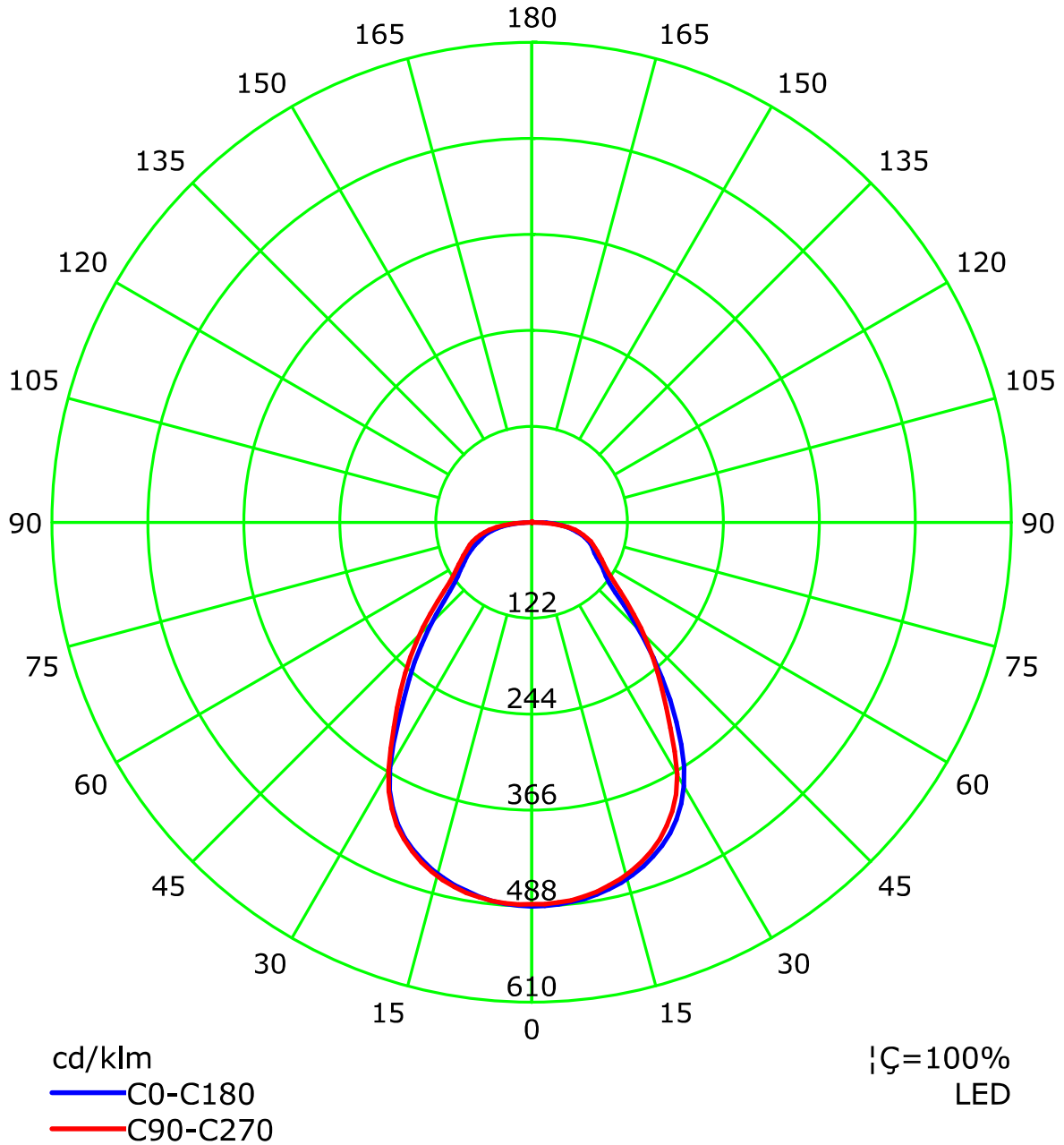
Test Device: LSG-1800B

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

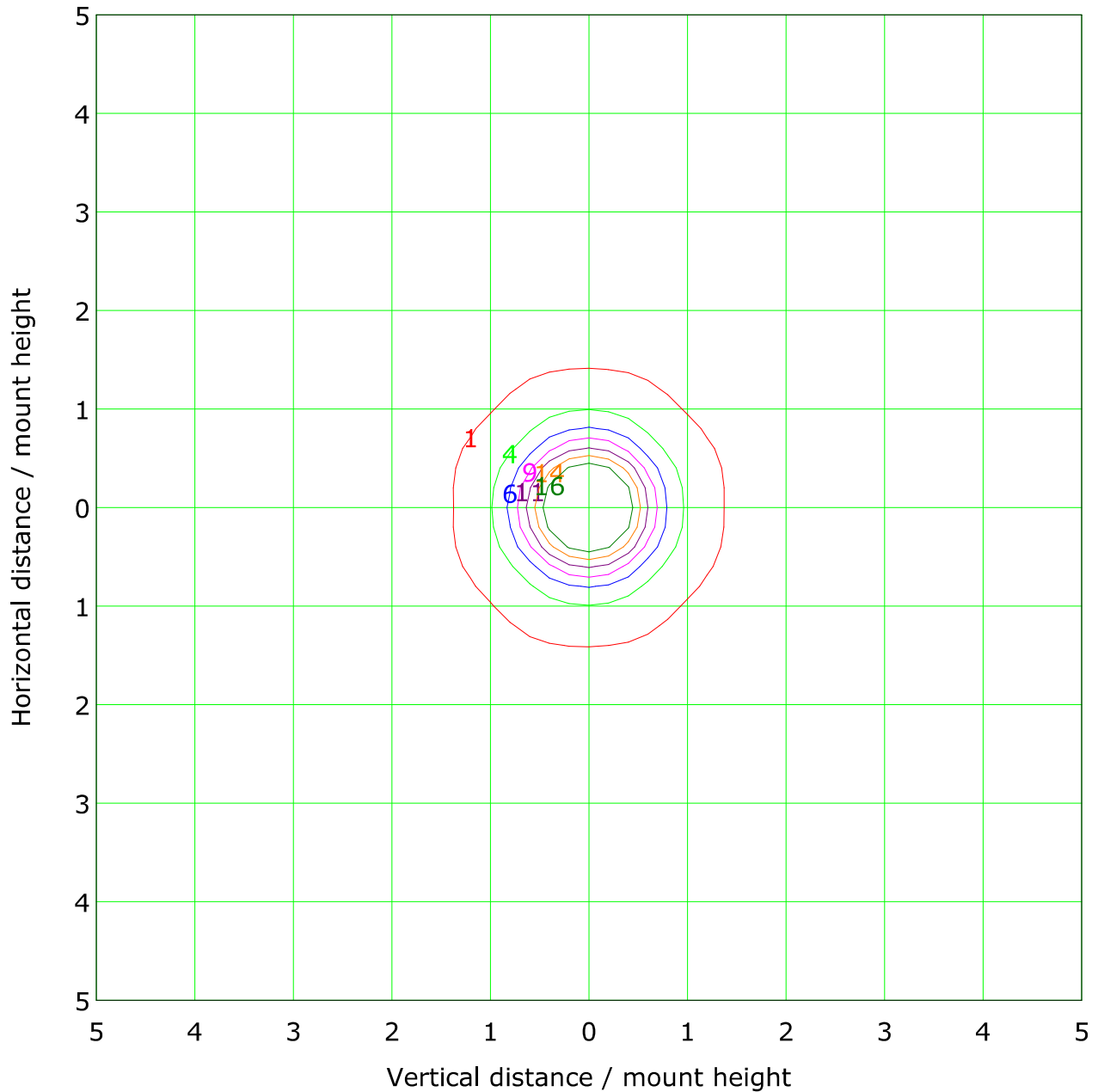
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 25.4 lx	
(5%): 1.3 lx	(15%): 3.8 lx
(25%): 6.3 lx	(35%): 8.9 lx
(45%): 11.4 lx	(55%): 14.0 lx
(65%): 16.5 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

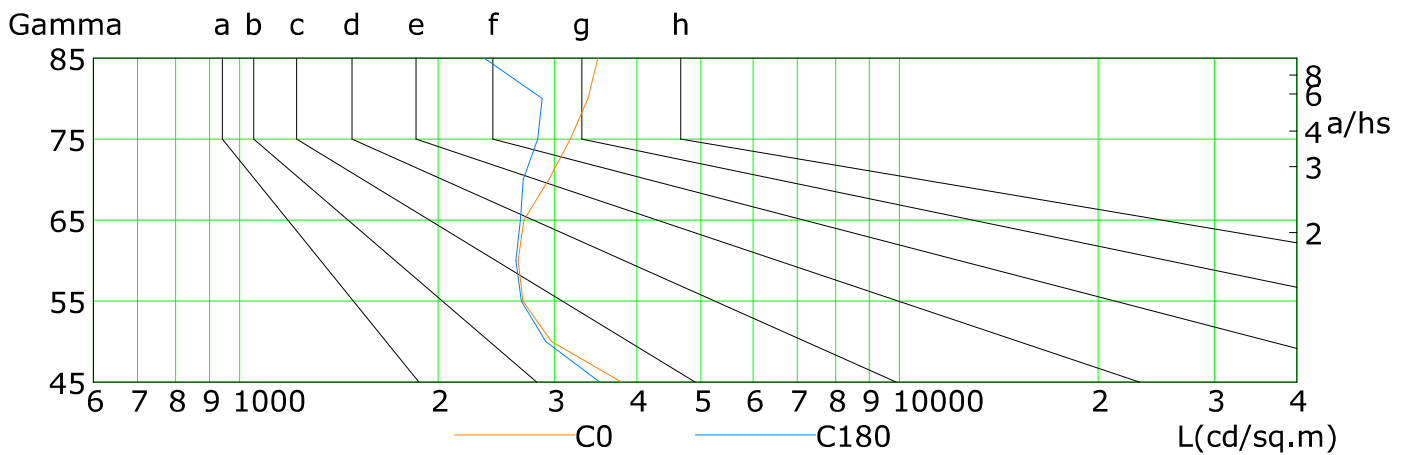
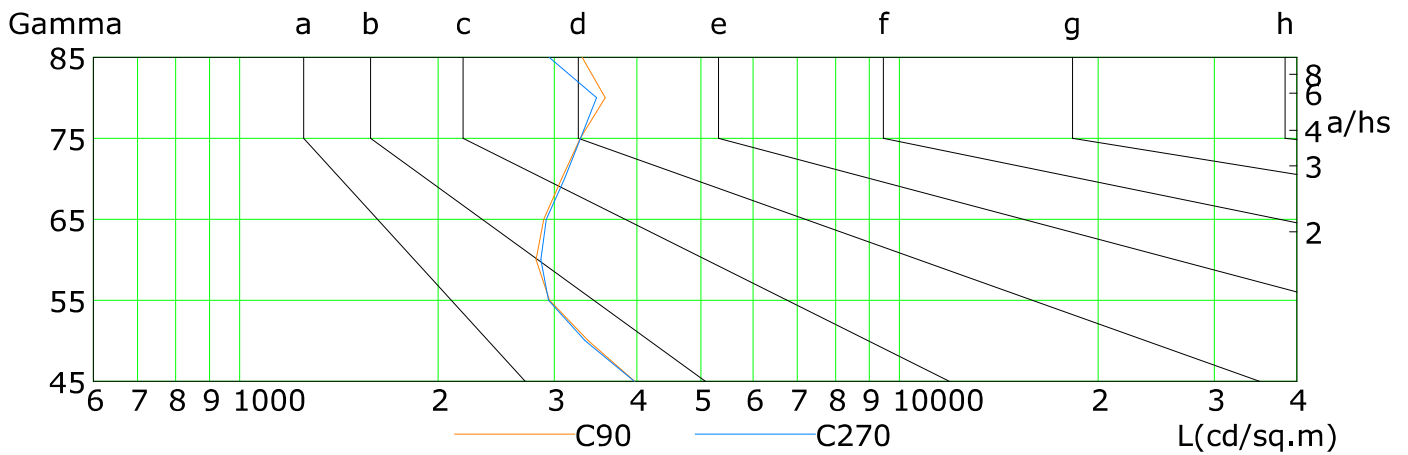
Humidity:

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	3790	2968	2689	2642	2697	2942	3170	3373	3490
C90	3969	3375	2950	2815	2889	3078	3282	3582	3303
C180	3513	2909	2674	2624	2663	2692	2830	2875	2348
C270	3966	3338	2939	2860	2917	3109	3286	3476	2945

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

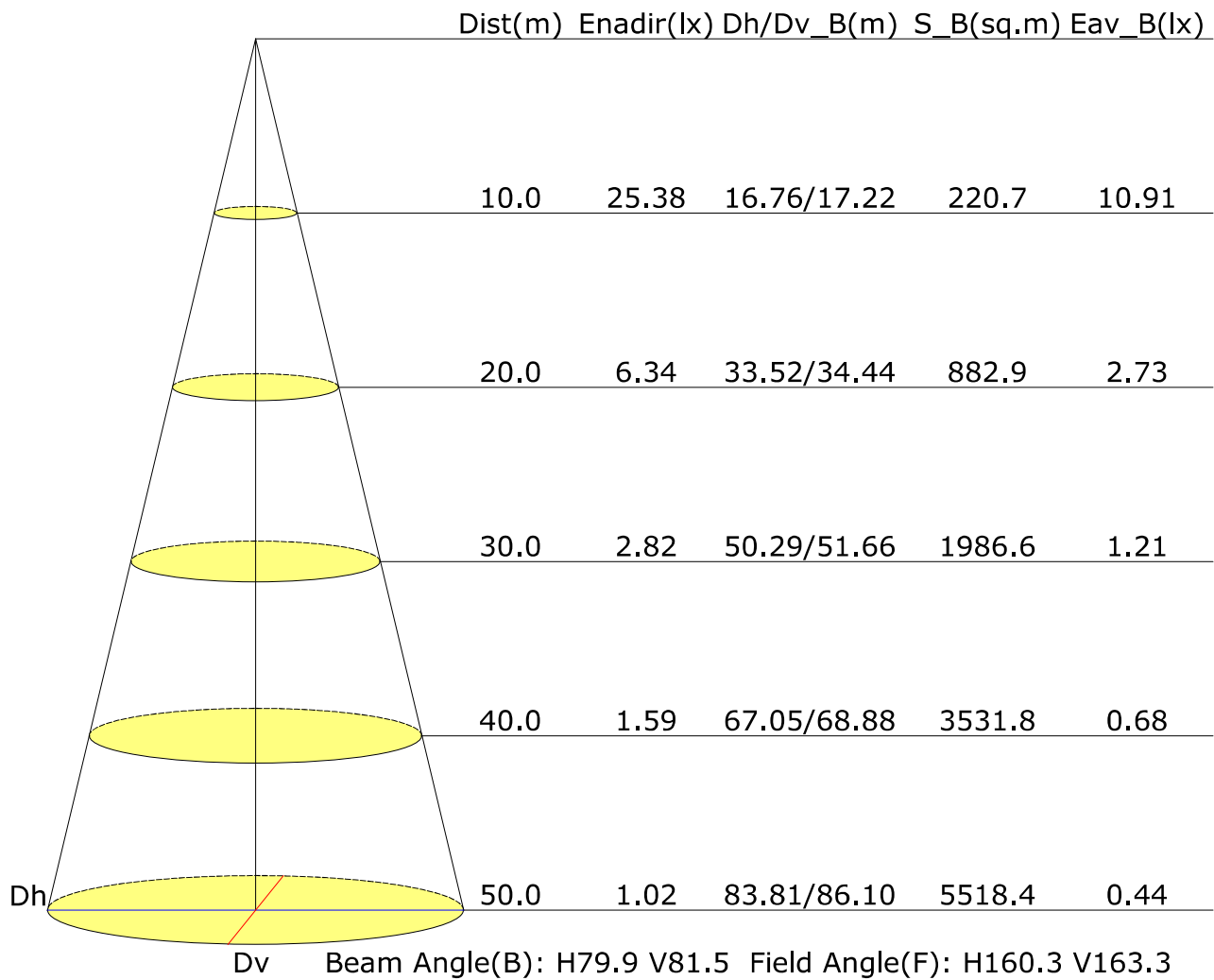
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: