

Report No.: 1

Test Time: 19.06.2018 14:24

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 595 18LED 0,32A 36W Refond 29-33Lm 4000K

Lamp Description: LED

Luminous Width (mm): 595

Voltage: 231.6 V

Power: 35.90 W

Luminous Length (mm): 595

Luminous Height (mm): 35

Current: 0.159 A

Power Factor: 0.970

Photometric Results

CIE Class: Direct

Measurement Flux: 4252.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.0, 159.9, 154.6, 154.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 80.8, 79.3, 77.8, 77.9

Luminaire Efficacy Rating (LER): 118.50

Max. Intensity: 2109.77 cd

S/MH(C0/C180): 1.13

Total Rated Lamp Lumens: 4252.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2107.31 cd

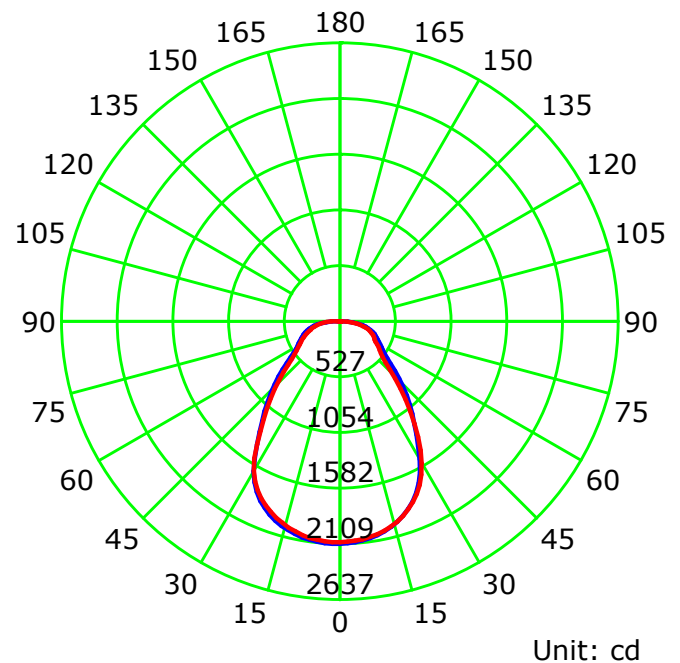
Pos of Max. Intensity: H180 V2

S/MH(C90/C270): 1.15

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

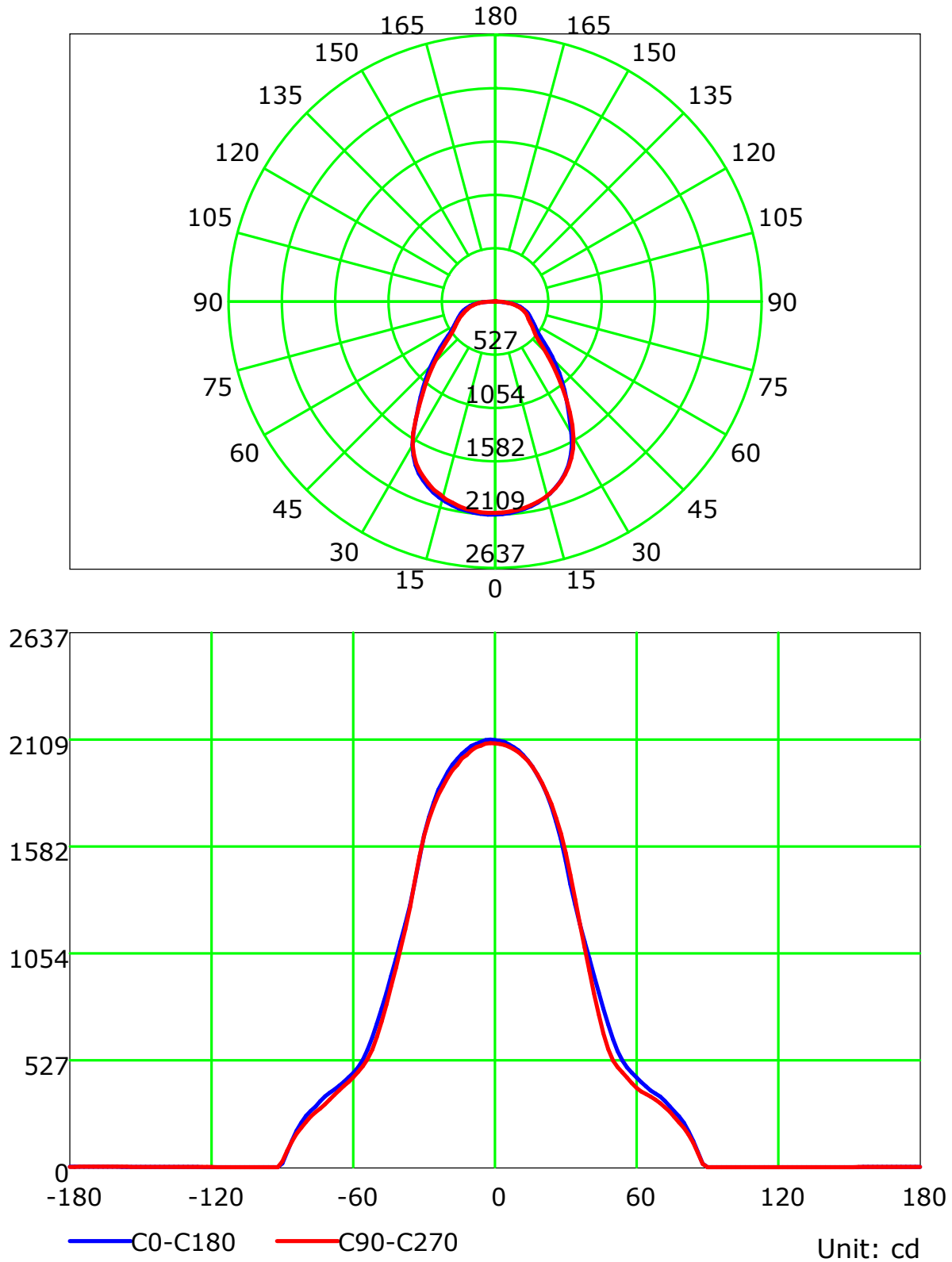
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

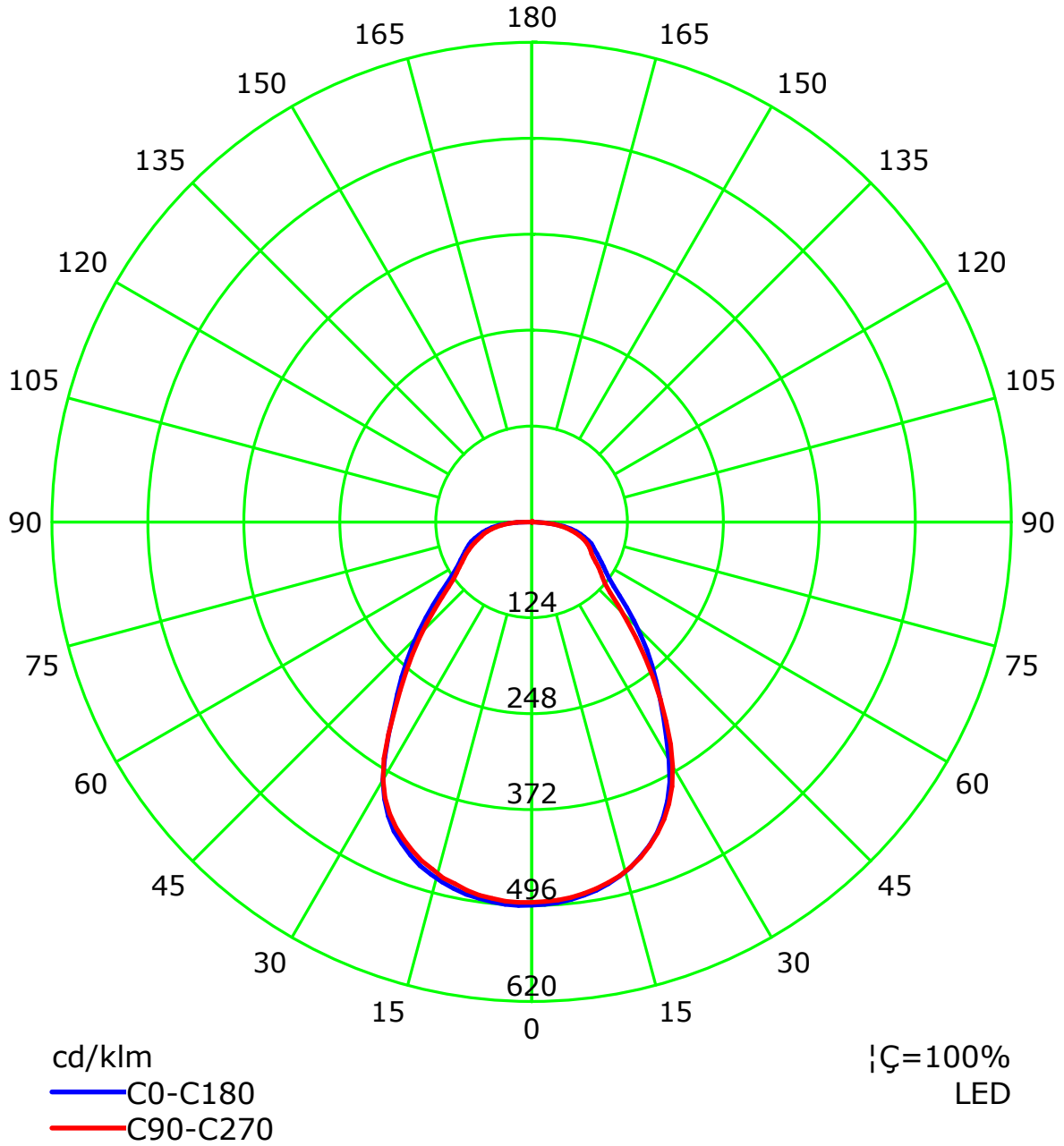
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

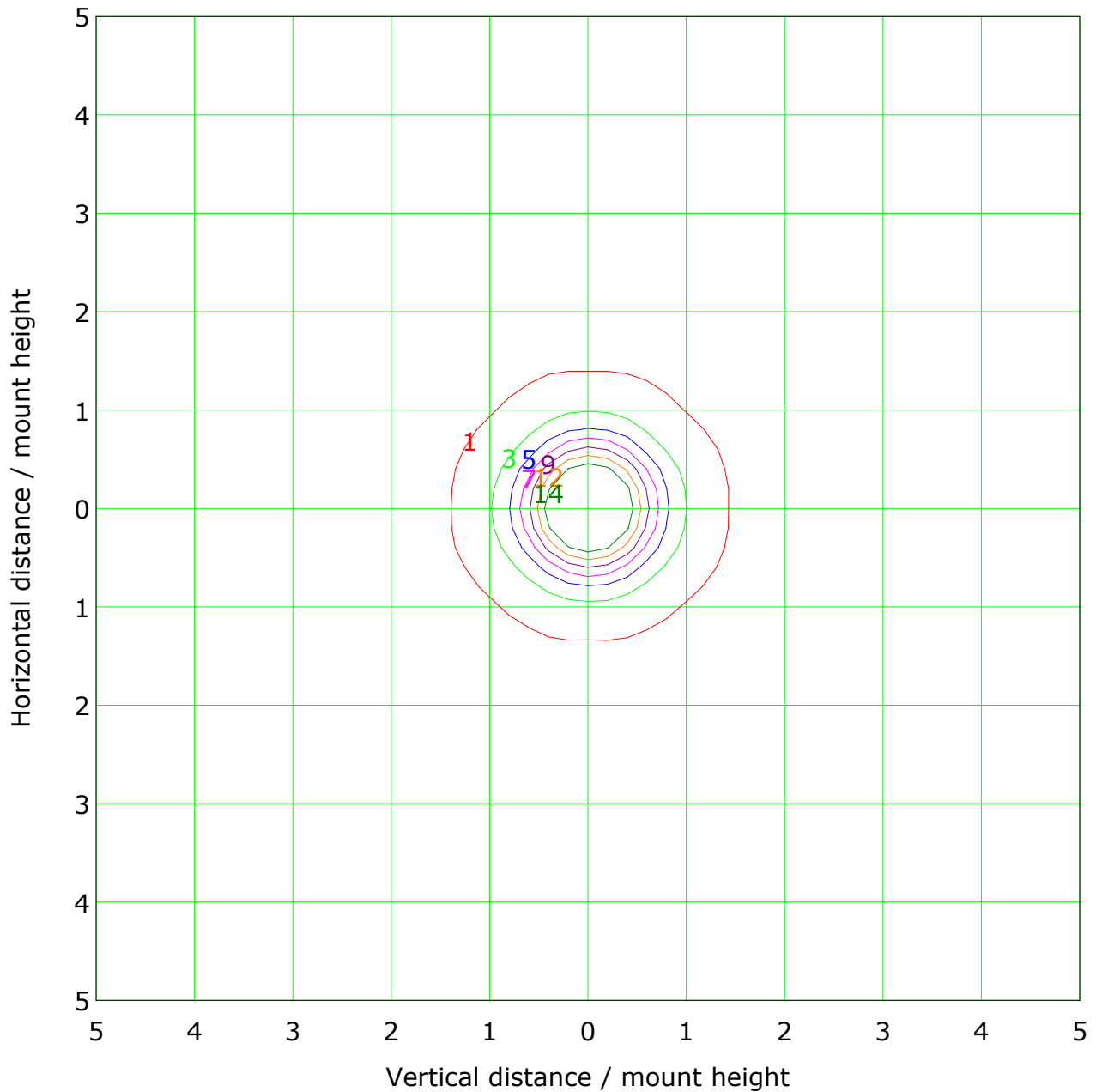
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 21.1 lx	
(5%):	1.1 lx	(15%):	3.2 lx
(25%):	5.3 lx	(35%):	7.4 lx
(45%):	9.5 lx	(55%):	11.6 lx
(65%):	13.7 lx		

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Test Device: LSG-1800B

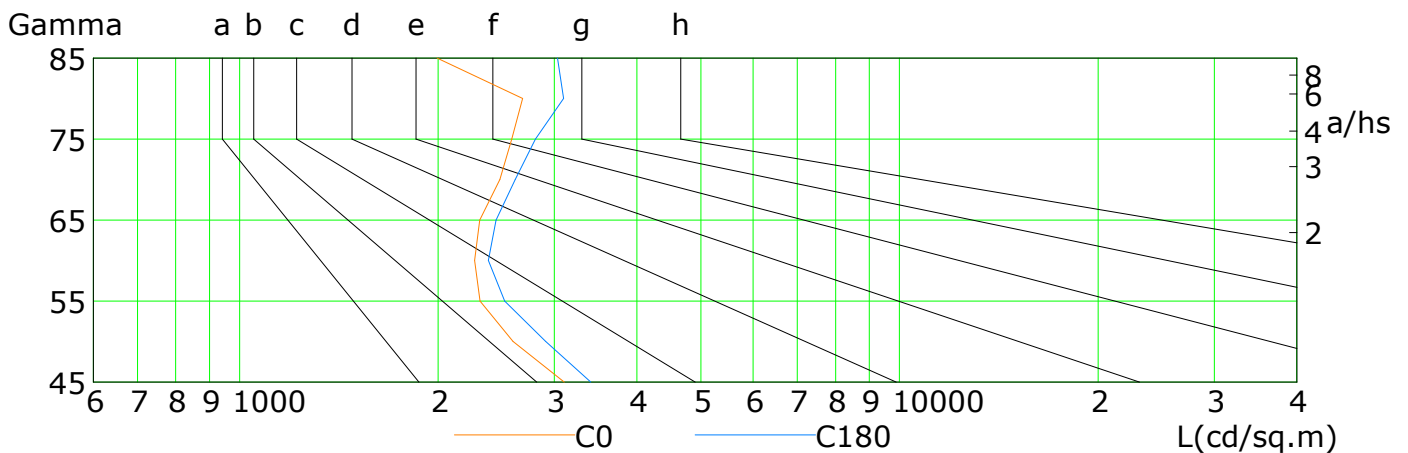
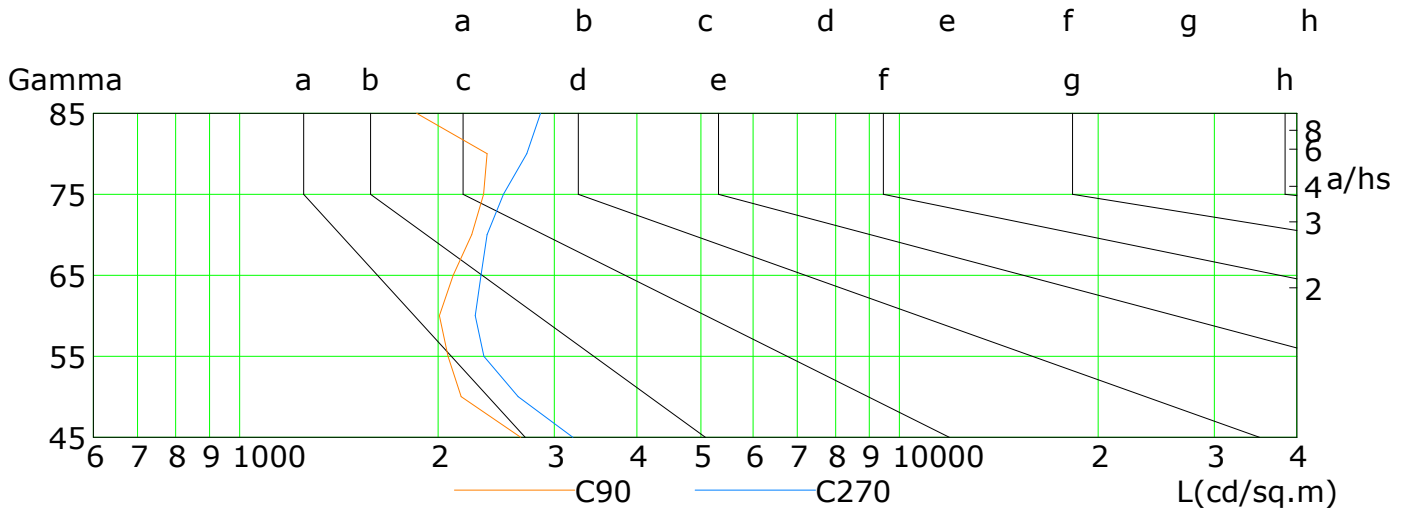
Distance: 12.654 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3104	2596	2315	2269	2312	2479	2584	2685	1991
C90	2668	2166	2070	2007	2106	2247	2342	2371	1854
C180	3407	2910	2521	2383	2446	2617	2807	3098	3033
C270	3200	2643	2344	2277	2322	2371	2512	2724	2859

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Temperature:

Operator:

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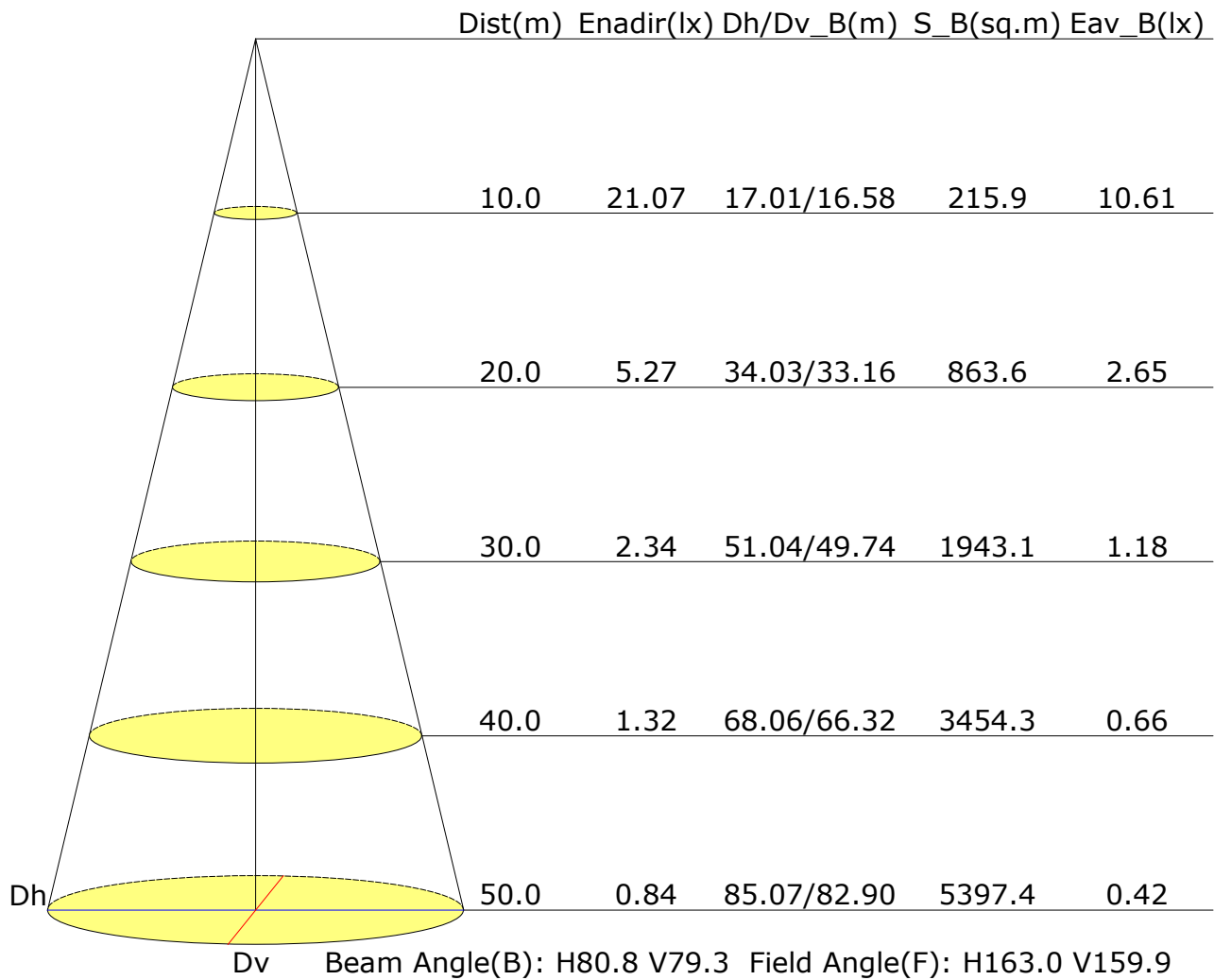
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 15.0

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: